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	nAPP2135150329
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)* nAPP2135150329
Contact mailing address 1001 Fannin St., Suite 2200, Houston, TX 77002	

Location of Release Source

Latitude 32.7175827 Longitude -103.4464035
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Hamon State #1	Site Type Wellhead
Date Release Discovered 4/19/2019	API# *(if applicable)* 30-025-03140

Unit Letter	Section	Township	Range	County
K	27	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) 6.5	Volume Recovered (bbls) 0
☑ Produced Water	Volume Released (bbls) 27.5	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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State of New Mexico
Oil Conservation Division

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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 not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Cato Clark Title: Vice President Land

Signature: Date: 1/10/22

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

OCD Only

Received by: Jocelyn Harimon Date: 06/21/2022

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State of New Mexico
Oil Conservation Division

Incident ID	nAPP2135150329
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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?	65 (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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State of New Mexico
Oil Conservation Division

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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 Clark Title: Vice President Land

Signature: Date: 6-21-22

email: clark@catenares.com Telephone: 346-200-7594

OCD Only

Received by: Date:

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State of New Mexico
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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 Approved

Signature: Jennifer Nobui Date: 07/05/2022

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

March 14, 2022

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

Re: **Work Plan**
Hamon State #1
Catena Resources, LLC
Site Location: Unit K, S27, T18S, R35E
(Lat 32.7175827º, Long -103.4464035°)
Lea County, New Mexico
Incident # nAPP2135150329

Dear Mr. Bratcher:

On behalf of Catena Resources, LLC (Catena), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment activities related to a release at the Hamon State #1 location (Site) on April 19, 2021. The Site is located in Lea County approximately 18.6 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 April 19, 2021 and was a result of equipment failure at the wellhead. The equipment failure resulted in the release of approximately 6 barrels (bbls) of crude oil and 28 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,3 known water sources are located within a ½ mile radius of the Site; however, none of the three wells were drilled in the past 25 years. The nearest identified well was drilled in 1958 and is located approximately 0.09 miles northeast of the Site. The well has a reported depth to groundwater of 65 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.

Regulatory Criteria

In accordance with the NMOCD regulatory criteria established in 19.15.29.12 NMAC, 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): 100 mg/kg
- Chloride: 600 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 six sample points (S-1 through S-6) were installed within the release area to characterize the impacts. Additionally, six horizontal delineation sample points (H-1 through H-6) 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 – S6). Additionally, TPH concentrations in soil sample H-1, H-3, H-4, and H-5 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-6 and horizontally delineate soil impacts in the areas of H-1, H-3, H-4, and H-5. In the areas of S-1 – S6, trenches were installed to depths ranging from 3 – 4 ft bgs with a backhoe and soil samples were collected in 1 ft depth intervals. Samples were collected directly from the center of the backhoe bucket to prevent cross contamination. Backhoe refusal due to the presence of dense bedrock was encountered at the total depth of each trench.

The additional soil samples collected from the areas of H-1, H-3, H-4, and H-5 to horizontally delineate the soil impacts in these areas were collected with a geotechnical handauger. Soil samples were collected from the 0 – 0.5 ft bgs depth interval. The handauger was decontaminated with Alconox and deionized water between soil borings to prevent cross-contamination.

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

Analytical results from the additional horizontal delineation sampling in the areas of H-1, H-3, H-4, and H-5 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-2) were installed using a geoprobe drilling unit using direct push technology. The soil borings were advanced to depths of 5 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-2. Impacts at the Site are vertically delineated.

Proposed Work Plan

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

The proposed excavation areas and depths are detailed below and illustrated on Figure 4.

- The areas of S-5/T-5 will be excavated to a depth of 5 ft bgs and backfilled with clean material to grade.
- All other areas 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 200 square feet and analyzed for TPH by EPA method 8015 modified, BTEX by EPA Method 8021B, and Chloride by EPA method 300.0 to confirm excavation activities are successful in addressing identified impacts. Excavated soil will be hauled to a permitted disposal facility for final disposition.

Closing

The remediation will be implemented within 90 days of work plan approval. It is estimated that approximately 1,720 cubic yards (yd^3) of soil will be excavated and hauled to disposal. Upon completion, a final report detailing the remedial actions will be submitted to the NMOCD. If you have any questions regarding this report or need any additional information, please contact us at 432.685.3868.

Sincerely,
NTG Environmental

Gordon Banks, REM, CSEM, CESCO
Project Manager

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

Table

Table 1 - Soil Analytical Results
Catena Resources, LLC
Hamon State #1
Lea County, New Mexico

Sample ID	Date	Sample Depth (ft)	Total Petroleum Hydrcarbons (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
Vertical Delineation Samples												
S-1	10/21/2021	0-0.5'	<50.0	**589**	**169**	**758**	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**3,050**
Trench 1	12/8/2021	0-1'	<20.0	**1,930**	**1,040**	**2,970**	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**57,900**
		1'	<20.0	**4,280**	**1,890**	**6,170**	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**18,200**
		2'	<20.0	**1,750**	**729**	**2,479**	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**17,200**
		3'	<20.0	85.9	52.0	**138**	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**15,700**
BH-1	2/8/2022	(0-1')	<49.9	181	<49.9	**181**	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**3,690**
		(1-2')	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	309
		(2-3')	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**1,850**
		(3-4')	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	457
		(4-5')	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	20.9
S-2	10/21/2021	0-0.5'	**<249**	**12,500**	**1,580**	**14,100**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**5,870**
Trench 2	12/8/2021	0-1'	<20.0	**570**	**572**	**1,142**	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**5,700**
		1'	<20.0	**8,440**	**3,430**	**11,870**	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**1,090**
		2'	<20.0	**2,590**	**1,170**	**3,760**	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	473
		3'	<20.0	**1,720**	**597**	**2,317**	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	224
BH-2	2/8/2022	(0-1')	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**4,340**
		(1-2')	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**1,680**
		(2-3')	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**1,660**
		(3-4')	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**742**
		(4-5')	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	20.9
S-3	10/21/2021	0-0.5'	<50.0	**1,250**	**233**	**1,480**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**33,200**
Trench 3	12/8/2021	0-1'	<20.0	**810**	**893**	**1,703**	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**5,770**
		1'	<20.0	**339**	**217**	**556**	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**1,110**
		2'	<20.0	46.0	69.1	**115**	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**7,210**
		3'	<20.0	<25.0	<50.0	<50.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**5,910**
S-4	10/21/2021	0-0.5'	<49.8	**452**	**118**	**570**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**14,900**

Table 1 - Soil Analytical Results
Catena Resources, LLC
Hamon State #1
Lea County, New Mexico

Sample ID	Date	Sample Depth (ft)	Total Petroleum Hydrcarbons (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
Trench 4	12/8/2021	0-1'	<20.0	56.4	<50.0	56.4	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**3,530**
		1'	<20.0	41.6	<50.0	41.6	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**3,100**
		2'	<20.0	45.7	<50.0	45.7	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**3,310**
		3'	<20.0	76.9	52.9	**130**	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**1,270**
S-5	10/21/2021	0-0.5'	<50.0	**302**	58.1	**360**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**41,300**
Trench 5	12/8/2021	0-1'	<20.0	**12,900**	**5,300**	**18,200**	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**8,510**
		1'	<20.0	**19,800**	**9,090**	**28,890**	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**8,150**
		2'	<20.0	**6,930**	**2,730**	**9,660**	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**8,310**
		3'	<20.0	45.1	<50.0	45.1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**1,650**
		4'	<20.0	**118**	67.3	**185**	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**1,560**
S-6	10/21/2021	0-0.5'	<49.9	**590**	**126**	**716**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**7,510**
Trench 6	12/8/2021	0-1'	<20.0	**3,240**	**3,050**	**6,290**	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**1,380**
		1'	<20.0	62.1	70.9	**133**	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**1,560**
		2'	<20.0	54.6	58.0	**113**	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**1,280**
		3'	<20.0	<25.0	<50.0	<50.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	**1,390**
Horizontal Delineation Samples												
H-1	10/21/2021	0-0.5'	<49.9	**137**	51.5	**189**	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	280
H-1 (b)	12/8/2021	0-0.5'	<20.0	<25.0	<50.0	<50.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	184
H-2	10/21/2021	0-0.5'	<49.9	66.7	<49.9	66.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	198
H-3	10/21/2021	0-0.5'	<49.9	**1,040**	**327**	**1,370**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	74.8
H-3 (b)	12/8/2021	0-0.5'	<20.0	<25.0	<50.0	<50.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	51.7
H-4	10/21/2021	0-0.5'	<49.9	**127**	<49.9	**127**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	174
H-4 (b)	12/8/2021	0-0.5'	<20.0	<25.0	<50.0	<50.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	56.6
H-5	10/21/2021	0-0.5'	<49.9	**842**	**270**	**1,110**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	55.4
H-5 (b)	12/8/2021	0-0.5'	<20.0	<25.0	<50.0	<50.0	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	63.0
H-6	10/21/2021	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	438
Regulatory Limits [A]			**N/A**			**100 mg/kg**	**10 mg/kg**	**N/A**			**50 mg/kg**	**600 mg/kg**

- exceeds regulatory limit

mg/kg - milligram per kilogram

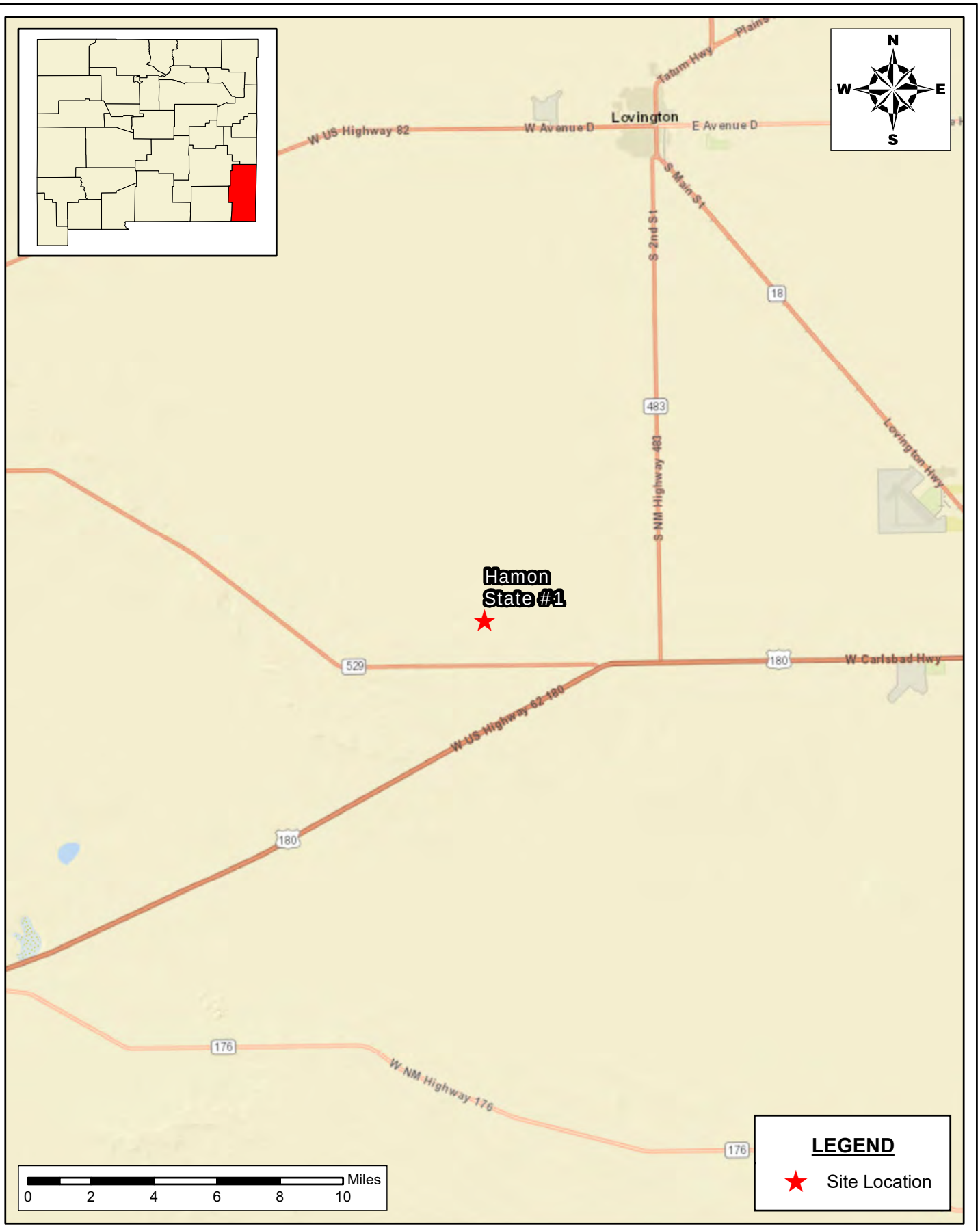
GRO - gasoline range organics

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_SLMap_12082021.mx

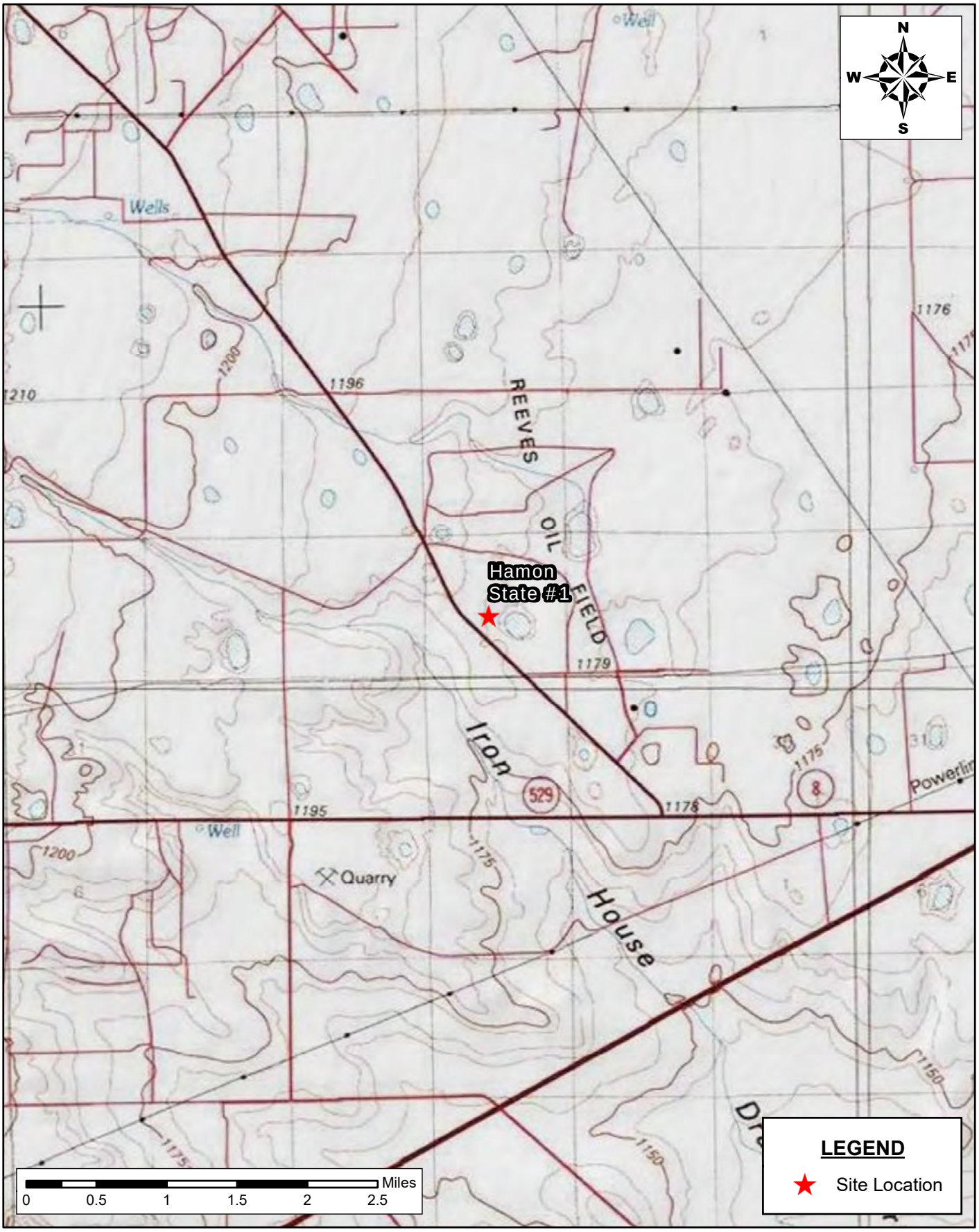
SITE LOCATION MAP
CATENA RESOURCES, LLC
HAMON STATE #1
LEA COUNTY, NEW MEXICO
32.7175827, -103.4464035

SCALE: As Shown | Date: 12/8/2021 | PROJECT #: 214798

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



AREA MAP
CATENA RESOURCES, LLC
HAMON STATE #1
LEA COUNTY, NEW MEXICO
32.7175827, -103.4464035

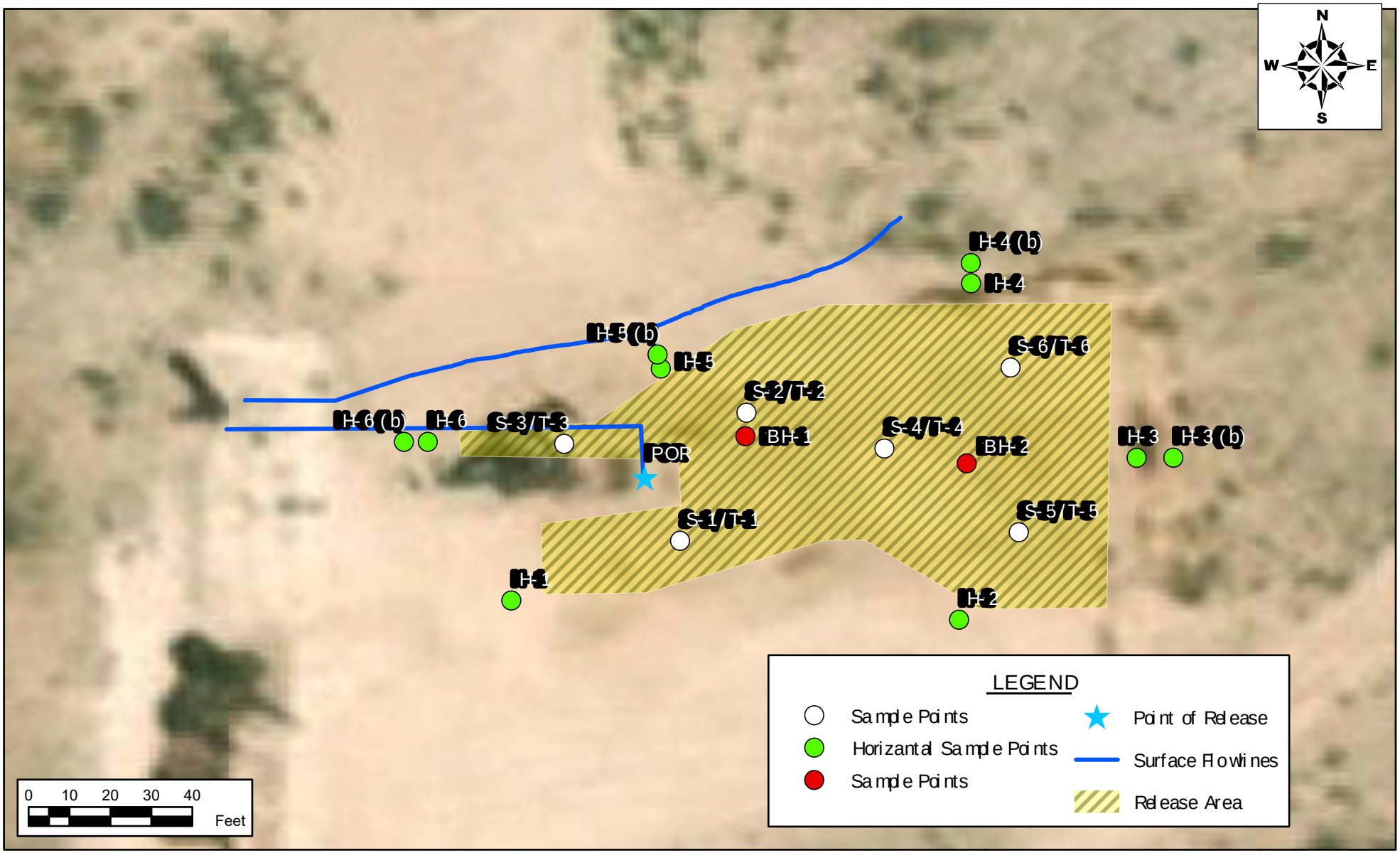
SCALE: As Shown | Date: 12/8/2021 | PROJECT #: 214798

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: M:\GIS Templates\New Templates\RSC\Midland\GIS\Geodatabase\Figure_2_AREAMap_12082021.mxd



1 of 1	SHEET NUMBER	FIGURE 3	DRAWING NUMBER

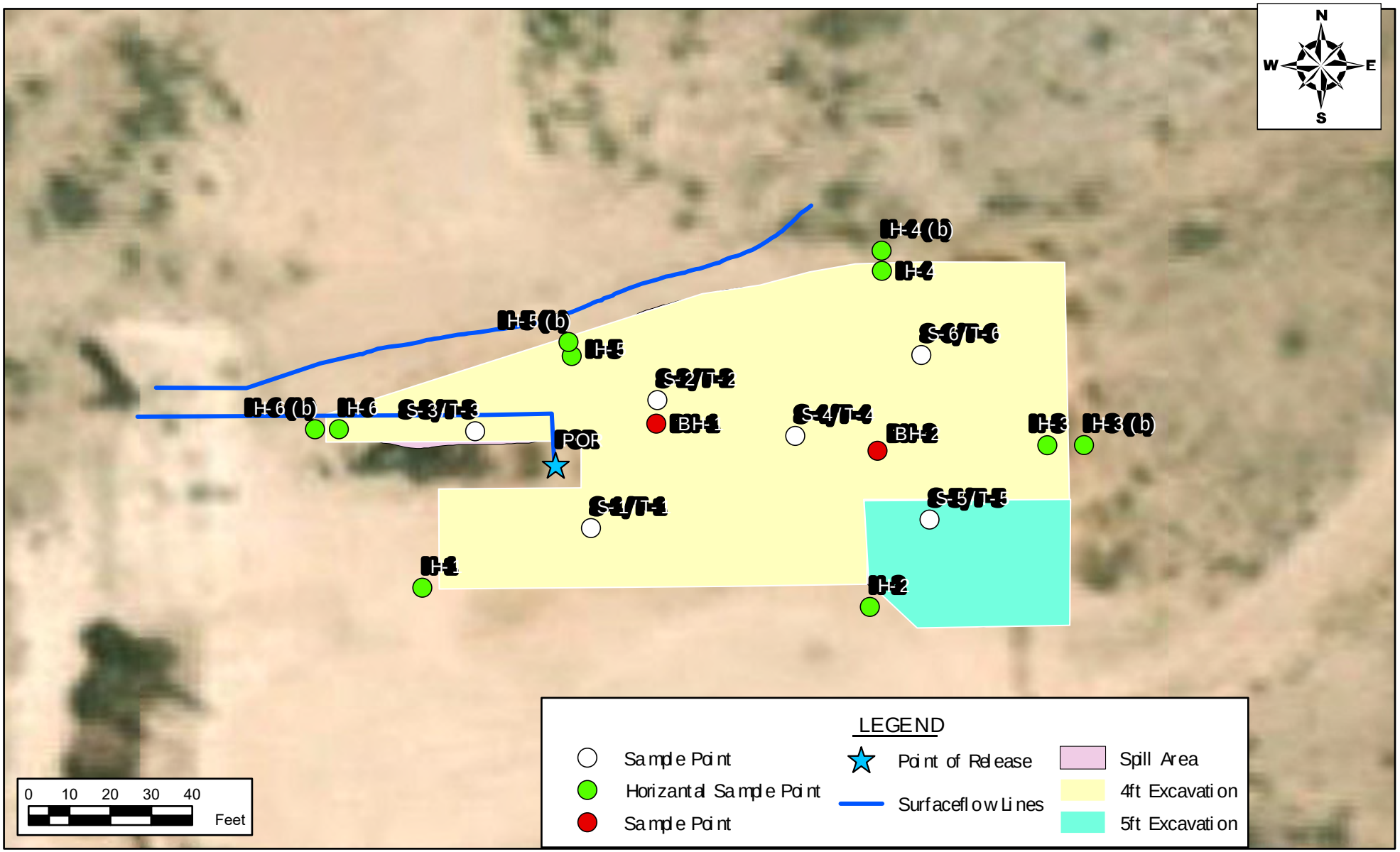
SPILL PATH MAP
CATENA RESOURCES, LLC
HAMON STATE #1
LEA COUNTY, MEXICO
32.7175827, -103.4464035

SCALE: AS SHOWN | DATE: 03/15/2022 | PROJECT #: 214798

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

NOTES:
1. Base Image: ESRI Maps and Data 2017 (DigitalGlobe 2016 0.5m Digital Orthophoto)
2. Map Projection: NAD 1983

Document Path: P:\2021 PROJECTS\CATENA\RSC\214798 Hamon State #1\7 - Figures\GIS\Geodatabase\Figure 3 - Sample Location Map -complete - NH.aprx



1 of 1	SHEET NUMBER	FIGURE 4	DRAWING NUMBER

EXCAVATION DEPTH MAP
CATENA RESOURCES, LLC
HAMON STATE #1
LEA COUNTY, MEXICO
32.7175827, -103.4464035

SCALE: AS SHOWN | DATE: 03/15/2022 | PROJECT #: 214798

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

NOTES:
1. Base Image: ESRI Maps and Data 2017 (DigitalGlobe 2016 0.5m Digital Orthophoto)
2. Map Projection: NAD 1983

Document Path: P:\2021 PROJECTS\CATENA\RSC\214798 Hamon State #1\7 - Figures\GIS\Geodatabase\Figure 3 - Sample Location Map -complete - NH.aprx

Photographic Log

PHOTOGRAPHIC LOG

Catena Resources

Photograph No. 1

Facility: Hamon State #001

County: Lea County, New Mexico

Description:
View looking northest of sample points H-1, S-1/T-1, S-4/T-4, and S-6/T-6.

Photograph No. 2

Facility: Hamon State #001

County: Lea County, New Mexico

Description:
View looking northwest of sample points S-2/T-2, S-3/T-3, S-5/T-5, S-6/T-6, H-4, and H-5.

Photograph No. 3

Facility: Hamon State #001

County: Lea County, New Mexico

Description:
View looking west of sample points S-4/T-4, S-5/T-5, S-6/T-6, and H-3.

PHOTOGRAPHIC LOG

Catena Resources

Photograph No. 4

Facility: Hamon State #001

County: Lea County, New Mexico

Description:
View Southwest, of sample points H-4, H-5, S-6/T-6, S-4/T-4, and S-2/T-2.

Photograph No. 5

Facility: Hamon State #001

County: Lea County, New Mexico

Description:
View looking southwest of sample points S-3/T-3, H-5, and H-6.

Photograph No. 6

Facility: Hamon State #001

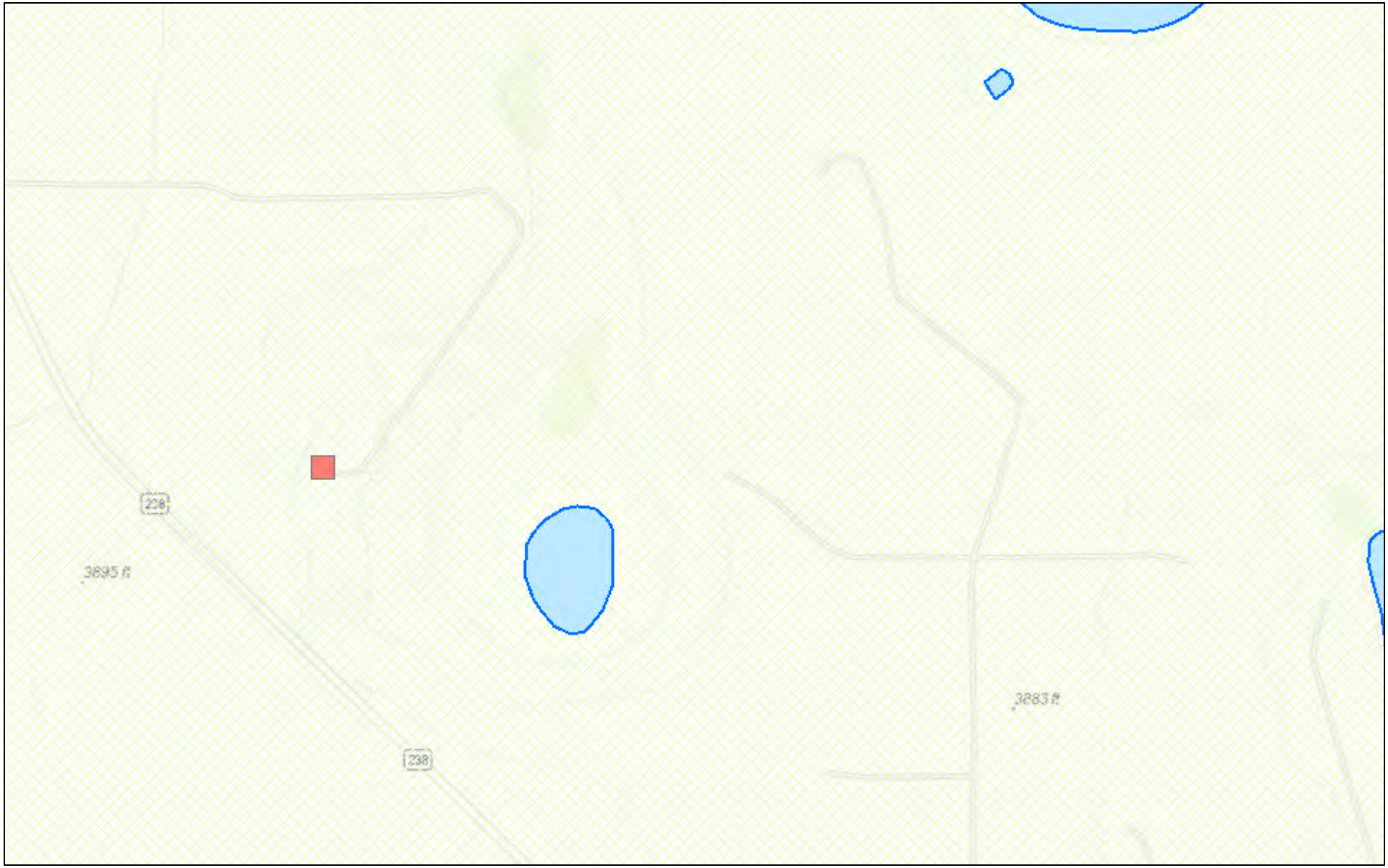
County: Lea County, New Mexico

Description:
View looking east of sample points H-6, H-5, H-4, S-3/T-3, S-2/T-2, and S-6/T-6.

Site Characterization Information


Low Karst
Catena Resources Operating, LLC
Legend
Hamon State #001
LOW
238
Hamon State #001
238
N
3000 ft
Google Earth

New Mexico NFHL Data



October 26, 2021

1:9,028

0 0.075 0.15 0.3 mi

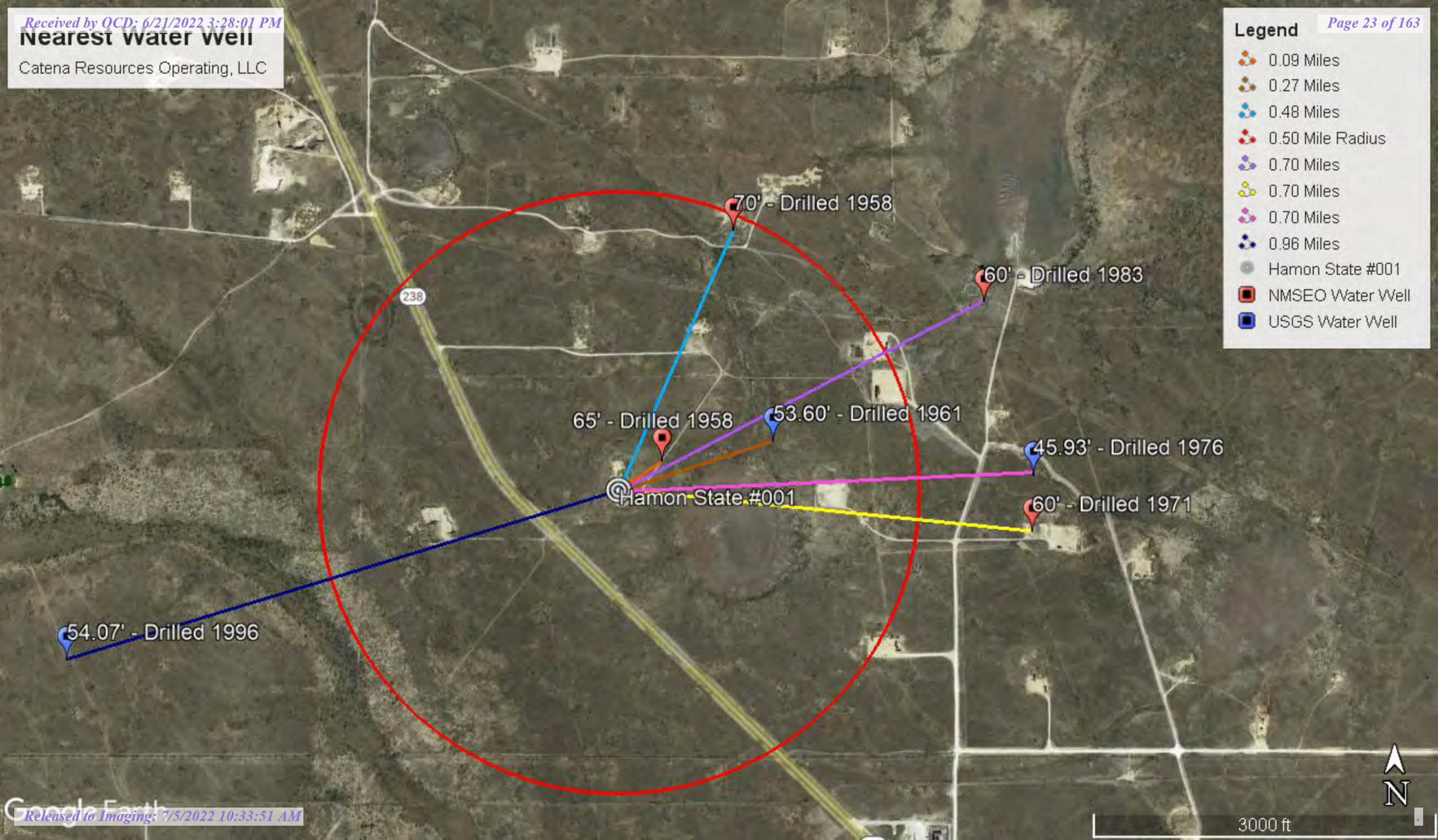
0 0.1 0.2 0.4 km

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

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

Nearest Water Well

Catena Resources Operating, LLC



New Mexico Office of the State Engineer

Point of Diversion Summary

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

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

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

Driller Name:

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

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

Casing Perforations:	Top	Bottom
	105	125

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

New Mexico Office of the State Engineer

Point of Diversion Summary

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

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

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

New Mexico Office of the State Engineer

Point of Diversion Summary

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

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

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

Casing Perforations:	Top	Bottom
	70	115

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

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	L 03963	1	2		27	18S	35E	645896	3621762*

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

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

Driller Name:

Drill Start Date: 08/09/1958 **Drill Finish Date:** 08/09/1958 **Plug Date:**

Log File Date: 08/13/1958 **PCW Rcv Date:** **Source:** Shallow

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

Casing Size: 7.00 **Depth Well:** 127 feet **Depth Water:** 70 feet

Water Bearing Stratifications:	Top	Bottom	Description
	70	127	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	70	127

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

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: New Mexico | GO

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- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 324305103260401

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

USGS 324305103260401 18S.35E.26.11330

Lea County, New Mexico
Latitude 32°43'05", Longitude 103°26'04" NAD27
Land-surface elevation 3,882 feet above NAVD88
The depth of the well is 80 feet below land surface.
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1971-01-20		D	62610		3834.42	NGVD29	3	Z			A
1971-01-20		D	62611		3835.99	NAVD88	3	Z			A
1971-01-20		D	72019	46.01			3	Z			A
1976-02-10		D	62610		3834.50	NGVD29	1	Z			A
1976-02-10		D	62611		3836.07	NAVD88	1	Z			A
1976-02-10		D	72019	45.93			1	Z			A

Explanation

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

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

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2021-10-26 13:58:27 EDT
0.35 0.31 nadww01

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- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 324308103263101

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

USGS 324308103263101 18S.35E.27.21321

Lea County, New Mexico
Latitude 32°43'08", Longitude 103°26'31" NAD27
Land-surface elevation 3,871 feet above NAVD88
The depth of the well is 127 feet below land surface.
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1961-02-16		D	62610		3815.83	NGVD29	1	Z			A
1961-02-16		D	62611		3817.40	NAVD88	1	Z			A
1961-02-16		D	72019	53.60			1	Z			A

Explanation

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

Subscribe for system changes
News

Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2021-10-26 13:55:06 EDT
0.34 0.3 nadww02

National Water Information System: Web Interface

USGS Water Resources | Data Category: Groundwater | Geographic Area: New Mexico | GO

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- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 324249103274401

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

USGS 324249103274401 18S.35E.28.32210

Lea County, New Mexico
Latitude 32°42'49", Longitude 103°27'44" NAD27
Land-surface elevation 3,910 feet above NAVD88
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1961-03-30		D	62610		3856.39	NGVD29	1	Z			A
1961-03-30		D	62611		3857.98	NAVD88	1	Z			A
1961-03-30		D	72019	52.02			1	Z			A
1966-03-11		D	62610		3858.28	NGVD29	3	Z			A
1966-03-11		D	62611		3859.87	NAVD88	3	Z			A
1966-03-11		D	72019	50.13			3	Z			A
1971-01-20		D	62610		3858.73	NGVD29	3	Z			A
1971-01-20		D	62611		3860.32	NAVD88	3	Z			A
1971-01-20		D	72019	49.68			3	Z			A
1976-02-10		D	62610		3859.14	NGVD29	1	Z			A
1976-02-10		D	62611		3860.73	NAVD88	1	Z			A
1976-02-10		D	72019	49.27			1	Z			A
1981-03-06		D	62610		3857.76	NGVD29	1	Z			A
1981-03-06		D	62611		3859.35	NAVD88	1	Z			A
1981-03-06		D	72019	50.65			1	Z			A
1986-04-01		D	62610		3856.41	NGVD29	1	Z			A
1986-04-01		D	62611		3858.00	NAVD88	1	Z			A
1986-04-01		D	72019	52.00			1	Z			A
1991-04-10		D	62610		3855.85	NGVD29	1	Z			A
1991-04-10		D	62611		3857.44	NAVD88	1	Z			A
1991-04-10		D	72019	52.56			1	Z			A
1996-02-15		D	62610		3854.34	NGVD29	1	S			A
1996-02-15		D	62611		3855.93	NAVD88	1	S			A
1996-02-15		D	72019	54.07			1	S			A

Explanation

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

C-141

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

QUESTIONS

Action 67837

QUESTIONS

Operator: Catena Resources Operating, LLC 1001 Fannin Street Houston, TX 77002	OGRID: 328449
	Action Number: 67837
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source *Please answer all of the questions in this group.*	
Site Name	Hamon State #1
Date Release Discovered	04/19/2019
Surface Owner	State

Incident Details *Please answer all of the questions in this group.*	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release *Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*	
Crude Oil Released (bbls) Details	Cause: Equipment Failure | Producing Well | Crude Oil | Released: 6 BBL | Recovered: 0 BBL | Lost: 6 BBL]
Produced Water Released (bbls) Details	Cause: Equipment Failure | Producing Well | Produced Water | Released: 28 BBL | Recovered: 0 BBL | Lost: 28 BBL]
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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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

QUESTIONS (continued)

Operator: Catena Resources Operating, LLC 1001 Fannin Street Houston, TX 77002	OGRID: 328449
	Action Number: 67837
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by 19.15.29.7(A) NMAC	**Yes, major release.**
Reasons why this would be considered a submission for a notification of a major release	• Unauthorized release of a volume, excluding gases, of 25 barrels or more
If YES, was immediate notice given to the OCD, by whom	*Not answered.*
If YES, was immediate notice given to the OCD, to whom	*Not answered.*
If YES, was immediate notice given to the OCD, when	*Not answered.*
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	*Not answered.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

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	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
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 prepare and attach a narrative of actions to date in the follow-up C-141 submission. 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 prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

ACKNOWLEDGMENTS

Operator: Catena Resources Operating, LLC 1001 Fannin Street Houston, TX 77002	OGRID: 328449
	Action Number: 67837
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☑	I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.
☑	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
☑	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
☑	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.
☑	I acknowledge the fact that 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.
☑	I acknowledge the fact that, 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.

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

CONDITIONS

Operator: Catena Resources Operating, LLC 1001 Fannin Street Houston, TX 77002	OGRID: 328449
	Action Number: 67837
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
clclark	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	12/17/2021

Laboratory Reports and Chain-of-Custody Documents

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-7520-1
Laboratory Sample Delivery Group: Lea Co NM
Client Project/Site: Hamon State #001

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

JKramer

Authorized for release by:
11/1/2021 2:19:56 PM

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

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

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

Client: NT Global
Project/Site: Hamon State #001

Laboratory Job ID: 880-7520-1
SDG: Lea Co NM

Table of Contents

Definitions/Glossary

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-7520-1
SDG: Lea Co NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: Hamon State #001

Job ID: 880-7520-1
SDG: Lea Co NM

Job ID: 880-7520-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-7520-1

Receipt
The samples were received on 10/25/2021 10:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.2°C

GC VOA
Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-10438 and analytical batch 880-10684 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-3 (0-6") (880-7520-9) and H-5 (0-6") (880-7520-11). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-2 (0-6") (880-7520-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

Client Sample Results

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-7520-1
SDG: Lea Co NM

Client Sample ID: S-1 (0-6")
Date Collected: 10/21/21 00:00
Date Received: 10/25/21 10:50

Lab Sample ID: 880-7520-1
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:15	10/27/21 15:35	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		10/25/21 14:15	10/27/21 15:35	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		10/25/21 14:15	10/27/21 15:35	1
m-Xylene & p-Xylene	<0.00401	U *- F1 *1	0.00401		mg/Kg		10/25/21 14:15	10/27/21 15:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:15	10/27/21 15:35	1
Xylenes, Total	<0.00401	U F1	0.00401		mg/Kg		10/25/21 14:15	10/27/21 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*10/25/21 14:15*	*10/27/21 15:35*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*10/25/21 14:15*	*10/27/21 15:35*	*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	**758**		50.0		mg/Kg			10/29/21 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/29/21 09:53	10/29/21 23:15	1
Diesel Range Organics (Over C10-C28)	**589**		50.0		mg/Kg		10/29/21 09:53	10/29/21 23:15	1
Oil Range Organics (Over C28-C36)	**169**		50.0		mg/Kg		10/29/21 09:53	10/29/21 23:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*10/29/21 09:53*	*10/29/21 23:15*	*1*
o-Terphenyl	*97*		*70 - 130*	*10/29/21 09:53*	*10/29/21 23:15*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3050**		24.9		mg/Kg			10/29/21 13:56	5

Client Sample ID: S-2 (0-6")
Date Collected: 10/21/21 00:00
Date Received: 10/25/21 10:50

Lab Sample ID: 880-7520-2
Matrix: Solid

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 14:15	10/27/21 16:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:15	10/27/21 16:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:15	10/27/21 16:02	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		10/25/21 14:15	10/27/21 16:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:15	10/27/21 16:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/25/21 14:15	10/27/21 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*10/25/21 14:15*	*10/27/21 16:02*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*10/25/21 14:15*	*10/27/21 16:02*	*1*

Client Sample Results

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-7520-1
SDG: Lea Co NM

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

Lab Sample ID: 880-7520-2
Matrix: Solid
Date Collected: 10/21/21 00:00
Date Received: 10/25/21 10:50

Method: Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**14100**		249		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	<249	U	249		mg/Kg		10/29/21 09:53	10/29/21 23:37	5
Diesel Range Organics (Over C10-C28)	**12500**		249		mg/Kg		10/29/21 09:53	10/29/21 23:37	5
Oil Range Organics (Over C28-C36)	**1580**		249		mg/Kg		10/29/21 09:53	10/29/21 23:37	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*10/29/21 09:53*	*10/29/21 23:37*	*5*
o-Terphenyl	*161*	*S1+*	*70 - 130*	*10/29/21 09:53*	*10/29/21 23:37*	*5*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5870**		50.0		mg/Kg			10/29/21 14:03	10

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

Lab Sample ID: 880-7520-3
Matrix: Solid
Date Collected: 10/21/21 00:00
Date Received: 10/25/21 10:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:15	10/27/21 16:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:15	10/27/21 16:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:15	10/27/21 16:29	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		10/25/21 14:15	10/27/21 16:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:15	10/27/21 16:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/25/21 14:15	10/27/21 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*10/25/21 14:15*	*10/27/21 16:29*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*10/25/21 14:15*	*10/27/21 16:29*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			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	**1480**		50.0		mg/Kg			10/29/21 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/29/21 09:53	10/29/21 23:58	1

Client Sample Results

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-7520-1
SDG: Lea Co NM

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

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

Lab Sample ID: 880-7520-3
Matrix: Solid

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)	1250		50.0		mg/Kg		10/29/21 09:53	10/29/21 23:58	1
Oil Range Organics (Over C28-C36)	233		50.0		mg/Kg		10/29/21 09:53	10/29/21 23:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*10/29/21 09:53*	*10/29/21 23:58*	*1*
o-Terphenyl	*97*		*70 - 130*	*10/29/21 09:53*	*10/29/21 23:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33200		250		mg/Kg			10/29/21 14:10	50

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

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

Lab Sample ID: 880-7520-4
Matrix: Solid

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 14:15	10/27/21 16:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:15	10/27/21 16:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:15	10/27/21 16:56	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		10/25/21 14:15	10/27/21 16:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:15	10/27/21 16:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/25/21 14:15	10/27/21 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*10/25/21 14:15*	*10/27/21 16:56*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*10/25/21 14:15*	*10/27/21 16:56*	*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	570		49.8		mg/Kg			10/29/21 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/29/21 09:53	10/30/21 00:19	1
Diesel Range Organics (Over C10-C28)	452		49.8		mg/Kg		10/29/21 09:53	10/30/21 00:19	1
Oil Range Organics (Over C28-C36)	118		49.8		mg/Kg		10/29/21 09:53	10/30/21 00:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*10/29/21 09:53*	*10/30/21 00:19*	*1*
o-Terphenyl	*98*		*70 - 130*	*10/29/21 09:53*	*10/30/21 00:19*	*1*

Client Sample Results

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-7520-1
SDG: Lea Co NM

Client Sample ID: S-4 (0-6")
Date Collected: 10/21/21 00:00
Date Received: 10/25/21 10:50

Lab Sample ID: 880-7520-4
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14900**		99.8		mg/Kg			10/29/21 14:16	20

Client Sample ID: S-5 (0-6")
Date Collected: 10/21/21 00:00
Date Received: 10/25/21 10:50

Lab Sample ID: 880-7520-5
Matrix: Solid

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 14:15	10/27/21 17:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:15	10/27/21 17:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:15	10/27/21 17:24	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		10/25/21 14:15	10/27/21 17:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:15	10/27/21 17:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/25/21 14:15	10/27/21 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*10/25/21 14:15*	*10/27/21 17:24*	*1*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*	*10/25/21 14:15*	*10/27/21 17:24*	*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	**360**		50.0		mg/Kg			10/29/21 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/29/21 09:53	10/30/21 00:41	1
Diesel Range Organics (Over C10-C28)	**302**		50.0		mg/Kg		10/29/21 09:53	10/30/21 00:41	1
Oil Range Organics (Over C28-C36)	**58.1**		50.0		mg/Kg		10/29/21 09:53	10/30/21 00:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*10/29/21 09:53*	*10/30/21 00:41*	*1*
o-Terphenyl	*99*		*70 - 130*	*10/29/21 09:53*	*10/30/21 00:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**41300**		250		mg/Kg			10/29/21 14:24	50

Client Sample ID: S-6 (0-6")
Date Collected: 10/21/21 00:00
Date Received: 10/25/21 10:50

Lab Sample ID: 880-7520-6
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:15	10/27/21 17:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:15	10/27/21 17:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:15	10/27/21 17:51	1

Client Sample Results

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-7520-1
SDG: Lea Co NM

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

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

Lab Sample ID: 880-7520-6

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00399	U *- *1	0.00399		mg/Kg		10/25/21 14:15	10/27/21 17:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:15	10/27/21 17:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/25/21 14:15	10/27/21 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*10/25/21 14:15*	*10/27/21 17:51*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*10/25/21 14:15*	*10/27/21 17:51*	*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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**716**		49.9		mg/Kg			10/29/21 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/29/21 09:53	10/30/21 01:02	1
Diesel Range Organics (Over C10-C28)	**590**		49.9		mg/Kg		10/29/21 09:53	10/30/21 01:02	1
Oil Range Organics (Over C28-C36)	**126**		49.9		mg/Kg		10/29/21 09:53	10/30/21 01:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*10/29/21 09:53*	*10/30/21 01:02*	*1*
o-Terphenyl	*108*		*70 - 130*	*10/29/21 09:53*	*10/30/21 01:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7510**		49.5		mg/Kg			10/29/21 14:30	10

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

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

Lab Sample ID: 880-7520-7

Matrix: Solid

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 14:15	10/27/21 18:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/25/21 14:15	10/27/21 18:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/25/21 14:15	10/27/21 18:19	1
m-Xylene & p-Xylene	<0.00396	U *- *1	0.00396		mg/Kg		10/25/21 14:15	10/27/21 18:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/25/21 14:15	10/27/21 18:19	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/25/21 14:15	10/27/21 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*10/25/21 14:15*	*10/27/21 18:19*	*1*
1,4-Difluorobenzene (Surr)	*13*	*S1-*	*70 - 130*	*10/25/21 14:15*	*10/27/21 18:19*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/01/21 13:41	1

Client Sample Results

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-7520-1
SDG: Lea Co NM

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

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

Lab Sample ID: 880-7520-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**189**		49.9		mg/Kg			10/29/21 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/29/21 09:53	10/30/21 01:23	1
Diesel Range Organics (Over C10-C28)	**137**		49.9		mg/Kg		10/29/21 09:53	10/30/21 01:23	1
Oil Range Organics (Over C28-C36)	**51.5**		49.9		mg/Kg		10/29/21 09:53	10/30/21 01:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*10/29/21 09:53*	*10/30/21 01:23*	*1*
o-Terphenyl	*114*		*70 - 130*	*10/29/21 09:53*	*10/30/21 01:23*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**280**		5.03		mg/Kg			10/29/21 14:51	1

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

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

Lab Sample ID: 880-7520-8
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:15	10/27/21 18:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:15	10/27/21 18:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:15	10/27/21 18:47	1
m-Xylene & p-Xylene	<0.00401	U *- *1	0.00401		mg/Kg		10/25/21 14:15	10/27/21 18:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:15	10/27/21 18:47	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/25/21 14:15	10/27/21 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*10/25/21 14:15*	*10/27/21 18:47*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*10/25/21 14:15*	*10/27/21 18:47*	*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	**66.7**		49.9		mg/Kg			10/29/21 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/29/21 09:53	10/30/21 02:06	1
Diesel Range Organics (Over C10-C28)	**66.7**		49.9		mg/Kg		10/29/21 09:53	10/30/21 02:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/29/21 09:53	10/30/21 02:06	1

Client Sample Results

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-7520-1
SDG: Lea Co NM

Client Sample ID: H-2 (0-6")
Date Collected: 10/21/21 00:00
Date Received: 10/25/21 10:50

Lab Sample ID: 880-7520-8
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	10/29/21 09:53	10/30/21 02:06	1
o-Terphenyl	95		70 - 130	10/29/21 09:53	10/30/21 02:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**198**		5.04		mg/Kg			10/29/21 14:58	1

Client Sample ID: H-3 (0-6")
Date Collected: 10/21/21 00:00
Date Received: 10/25/21 10:50

Lab Sample ID: 880-7520-9
Matrix: Solid

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 14:15	10/27/21 19:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:15	10/27/21 19:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:15	10/27/21 19:14	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		10/25/21 14:15	10/27/21 19:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:15	10/27/21 19:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/25/21 14:15	10/27/21 19:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	163	S1+	70 - 130	10/25/21 14:15	10/27/21 19:14	1
1,4-Difluorobenzene (Surr)	123		70 - 130	10/25/21 14:15	10/27/21 19:14	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	**1370**		49.9		mg/Kg			10/29/21 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/29/21 09:53	10/30/21 02:27	1
Diesel Range Organics (Over C10-C28)	**1040**		49.9		mg/Kg		10/29/21 09:53	10/30/21 02:27	1
Oil Range Organics (Over C28-C36)	**327**		49.9		mg/Kg		10/29/21 09:53	10/30/21 02:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	10/29/21 09:53	10/30/21 02:27	1
o-Terphenyl	107		70 - 130	10/29/21 09:53	10/30/21 02:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**74.8**		5.04		mg/Kg			10/29/21 15:19	1

Client Sample Results

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-7520-1
SDG: Lea Co NM

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

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

Lab Sample ID: 880-7520-10
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/25/21 14:15	10/27/21 19:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/25/21 14:15	10/27/21 19:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/25/21 14:15	10/27/21 19:42	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402		mg/Kg		10/25/21 14:15	10/27/21 19:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/25/21 14:15	10/27/21 19:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/25/21 14:15	10/27/21 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*10/25/21 14:15*	*10/27/21 19:42*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*10/25/21 14:15*	*10/27/21 19:42*	*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	**127**		49.9		mg/Kg			10/29/21 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/29/21 09:53	10/30/21 02:49	1
Diesel Range Organics (Over C10-C28)	**127**		49.9		mg/Kg		10/29/21 09:53	10/30/21 02:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/29/21 09:53	10/30/21 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*10/29/21 09:53*	*10/30/21 02:49*	*1*
o-Terphenyl	*97*		*70 - 130*	*10/29/21 09:53*	*10/30/21 02:49*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**174**		5.05		mg/Kg			10/29/21 15:26	1

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

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

Lab Sample ID: 880-7520-11
Matrix: Solid

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 14:15	10/27/21 21:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:15	10/27/21 21:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:15	10/27/21 21:32	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		10/25/21 14:15	10/27/21 21:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/25/21 14:15	10/27/21 21:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/25/21 14:15	10/27/21 21:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*176*	*S1+*	*70 - 130*	*10/25/21 14:15*	*10/27/21 21:32*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*10/25/21 14:15*	*10/27/21 21:32*	*1*

Client Sample Results

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-7520-1
SDG: Lea Co NM

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

Lab Sample ID: 880-7520-11
Matrix: Solid
Date Collected: 10/21/21 00:00
Date Received: 10/25/21 10:50

Method: Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1110**		49.9		mg/Kg			10/29/21 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/29/21 09:53	10/30/21 03:10	1
Diesel Range Organics (Over C10-C28)	**842**		49.9		mg/Kg		10/29/21 09:53	10/30/21 03:10	1
Oil Range Organics (Over C28-C36)	**270**		49.9		mg/Kg		10/29/21 09:53	10/30/21 03:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*10/29/21 09:53*	*10/30/21 03:10*	*1*
o-Terphenyl	*88*		*70 - 130*	*10/29/21 09:53*	*10/30/21 03:10*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**55.4**		4.99		mg/Kg			10/29/21 15:32	1

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

Lab Sample ID: 880-7520-12
Matrix: Solid
Date Collected: 10/21/21 00:00
Date Received: 10/25/21 10:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/25/21 14:15	10/27/21 22:00	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/25/21 14:15	10/27/21 22:00	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/25/21 14:15	10/27/21 22:00	1
m-Xylene & p-Xylene	<0.00403	U *- *1	0.00403		mg/Kg		10/25/21 14:15	10/27/21 22:00	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/25/21 14:15	10/27/21 22:00	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/25/21 14:15	10/27/21 22:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*10/25/21 14:15*	*10/27/21 22:00*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*10/25/21 14:15*	*10/27/21 22:00*	*1*

Method: Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/29/21 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/29/21 09:53	10/30/21 03:32	1

Client Sample Results

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-7520-1
SDG: Lea Co NM

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

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

Lab Sample ID: 880-7520-12

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/29/21 09:53	10/30/21 03:32	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/29/21 09:53	10/30/21 03:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*10/29/21 09:53*	*10/30/21 03:32*	*1*
o-Terphenyl	*100*		*70 - 130*	*10/29/21 09:53*	*10/30/21 03:32*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**438**		4.97		mg/Kg			10/31/21 18:22	1

Surrogate Summary

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-7520-1
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)
880-7520-1	S-1 (0-6")	126	100
880-7520-1 MS	S-1 (0-6")	116	110
880-7520-1 MSD	S-1 (0-6")	117	123
880-7520-2	S-2 (0-6")	107	97
880-7520-3	S-3 (0-6")	108	107
880-7520-4	S-4 (0-6")	121	113
880-7520-5	S-5 (0-6")	128	121
880-7520-6	S-6 (0-6")	124	115
880-7520-7	H-1 (0-6")	123	13 S1-
880-7520-8	H-2 (0-6")	118	114
880-7520-9	H-3 (0-6")	163 S1+	123
880-7520-10	H-4 (0-6")	125	118
880-7520-11	H-5 (0-6")	176 S1+	110
880-7520-12	H-6 (0-6")	125	111
LCS 880-10438/1-A	Lab Control Sample	113	113
LCSD 880-10438/2-A	Lab Control Sample Dup	112	111
MB 880-10438/5-A	Method Blank	82	99

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)
880-7520-1	S-1 (0-6")	103	97
880-7520-2	S-2 (0-6")	102	161 S1+
880-7520-3	S-3 (0-6")	108	97
880-7520-4	S-4 (0-6")	103	98
880-7520-5	S-5 (0-6")	105	99
880-7520-6	S-6 (0-6")	116	108
880-7520-7	H-1 (0-6")	119	114
880-7520-8	H-2 (0-6")	100	95
880-7520-9	H-3 (0-6")	116	107
880-7520-10	H-4 (0-6")	101	97
880-7520-11	H-5 (0-6")	96	88
880-7520-12	H-6 (0-6")	102	100
890-1481-A-1-F MS	Matrix Spike	107	92
890-1481-A-1-G MSD	Matrix Spike Duplicate	122	101
LCS 880-10916/2-A	Lab Control Sample	100	91
LCSD 880-10916/3-A	Lab Control Sample Dup	96	90
MB 880-10916/1-A	Method Blank	140 S1+	145 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-7520-1
SDG: Lea Co NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-10438/5-A
Matrix: Solid
Analysis Batch: 10684

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10438

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:15	10/27/21 15:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:15	10/27/21 15:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:15	10/27/21 15:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/25/21 14:15	10/27/21 15:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/25/21 14:15	10/27/21 15:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/25/21 14:15	10/27/21 15:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*10/25/21 14:15*	*10/27/21 15:08*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*10/25/21 14:15*	*10/27/21 15:08*	*1*

Lab Sample ID: LCS 880-10438/1-A
Matrix: Solid
Analysis Batch: 10684

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10438

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1079		mg/Kg		108	70 - 130
Toluene	0.100	0.1047		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1059		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.2056		mg/Kg		103	70 - 130
o-Xylene	0.100	0.1232		mg/Kg		123	70 - 130

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

Lab Sample ID: LCSD 880-10438/2-A
Matrix: Solid
Analysis Batch: 10684

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10438

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1053		mg/Kg		105	70 - 130	2	35
Toluene	0.100	0.1057		mg/Kg		106	70 - 130	1	35
Ethylbenzene	0.100	0.08958		mg/Kg		90	70 - 130	17	35
m-Xylene & p-Xylene	0.200	0.1168	*- *1	mg/Kg		58	70 - 130	55	35
o-Xylene	0.100	0.1224		mg/Kg		122	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: 880-7520-1 MS
Matrix: Solid
Analysis Batch: 10684

Client Sample ID: S-1 (0-6")
Prep Type: Total/NA
Prep Batch: 10438

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.100	0.07474		mg/Kg		74	70 - 130
Toluene	<0.00200	U F1	0.100	0.08160		mg/Kg		81	70 - 130

QC Sample Results

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-7520-1
SDG: Lea Co NM

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

Lab Sample ID: 880-7520-1 MS — **Client Sample ID: S-1 (0-6")**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 10684 — **Prep Batch: 10438**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U F1	0.100	0.07537		mg/Kg		75	70 - 130
m-Xylene & p-Xylene	<0.00401	U *- F1 *1	0.201	0.1452		mg/Kg		72	70 - 130
o-Xylene	<0.00200	U	0.100	0.09718		mg/Kg		97	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: 880-7520-1 MSD — **Client Sample ID: S-1 (0-6")**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 10684 — **Prep Batch: 10438**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.101	0.07114		mg/Kg		70	70 - 130	5	35
Toluene	<0.00200	U F1	0.101	0.06740	F1	mg/Kg		67	70 - 130	19	35
Ethylbenzene	<0.00200	U F1	0.101	0.06445	F1	mg/Kg		64	70 - 130	16	35
m-Xylene & p-Xylene	<0.00401	U *- F1 *1	0.202	0.1234	F1	mg/Kg		61	70 - 130	16	35
o-Xylene	<0.00200	U	0.101	0.08029		mg/Kg		79	70 - 130	19	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*

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

Lab Sample ID: MB 880-10916/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 10891 — **Prep Batch: 10916**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/29/21 09:53	10/29/21 20:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/29/21 09:53	10/29/21 20:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/29/21 09:53	10/29/21 20:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*140*	*S1+*	*70 - 130*	*10/29/21 09:53*	*10/29/21 20:27*	*1*
o-Terphenyl	*145*	*S1+*	*70 - 130*	*10/29/21 09:53*	*10/29/21 20:27*	*1*

Lab Sample ID: LCS 880-10916/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 10891 — **Prep Batch: 10916**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	823.6		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1181		mg/Kg		118	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-7520-1
SDG: Lea Co NM

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

Lab Sample ID: LCS 880-10916/2-A
Matrix: Solid
Analysis Batch: 10891

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10916

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	91		70 - 130

Lab Sample ID: LCSD 880-10916/3-A
Matrix: Solid
Analysis Batch: 10891

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10916

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	844.9		mg/Kg		84	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1080		mg/Kg		108	70 - 130	9	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: 890-1481-A-1-F MS
Matrix: Solid
Analysis Batch: 10891

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 10916

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1025		mg/Kg		103	70 - 130
Diesel Range Organics (Over C10-C28)	330	F1	997	969.1	F1	mg/Kg		64	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	92		70 - 130

Lab Sample ID: 890-1481-A-1-G MSD
Matrix: Solid
Analysis Batch: 10891

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 10916

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1135		mg/Kg		113	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	330	F1	1000	1127		mg/Kg		80	70 - 130	15	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	122		70 - 130
o-Terphenyl	101		70 - 130

QC Sample Results

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-7520-1
SDG: Lea Co NM

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

Analyte	MB Result	MB 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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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

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

Lab Sample ID: 880-7520-6 MS
Matrix: Solid
Analysis Batch: 10801

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

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

Lab Sample ID: 880-7520-6 MSD
Matrix: Solid
Analysis Batch: 10801

Client Sample ID: S-6 (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	7510		2480	9768		mg/Kg		91	90 - 110	0	20

QC Association Summary

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-7520-1
SDG: Lea Co NM

GC VOA

Prep Batch: 10438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7520-1	S-1 (0-6")	Total/NA	Solid	5035	
880-7520-2	S-2 (0-6")	Total/NA	Solid	5035	
880-7520-3	S-3 (0-6")	Total/NA	Solid	5035	
880-7520-4	S-4 (0-6")	Total/NA	Solid	5035	
880-7520-5	S-5 (0-6")	Total/NA	Solid	5035	
880-7520-6	S-6 (0-6")	Total/NA	Solid	5035	
880-7520-7	H-1 (0-6")	Total/NA	Solid	5035	
880-7520-8	H-2 (0-6")	Total/NA	Solid	5035	
880-7520-9	H-3 (0-6")	Total/NA	Solid	5035	
880-7520-10	H-4 (0-6")	Total/NA	Solid	5035	
880-7520-11	H-5 (0-6")	Total/NA	Solid	5035	
880-7520-12	H-6 (0-6")	Total/NA	Solid	5035	
MB 880-10438/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-10438/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-10438/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-7520-1 MS	S-1 (0-6")	Total/NA	Solid	5035	
880-7520-1 MSD	S-1 (0-6")	Total/NA	Solid	5035	

Analysis Batch: 10684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7520-1	S-1 (0-6")	Total/NA	Solid	8021B	10438
880-7520-2	S-2 (0-6")	Total/NA	Solid	8021B	10438
880-7520-3	S-3 (0-6")	Total/NA	Solid	8021B	10438
880-7520-4	S-4 (0-6")	Total/NA	Solid	8021B	10438
880-7520-5	S-5 (0-6")	Total/NA	Solid	8021B	10438
880-7520-6	S-6 (0-6")	Total/NA	Solid	8021B	10438
880-7520-7	H-1 (0-6")	Total/NA	Solid	8021B	10438
880-7520-8	H-2 (0-6")	Total/NA	Solid	8021B	10438
880-7520-9	H-3 (0-6")	Total/NA	Solid	8021B	10438
880-7520-10	H-4 (0-6")	Total/NA	Solid	8021B	10438
880-7520-11	H-5 (0-6")	Total/NA	Solid	8021B	10438
880-7520-12	H-6 (0-6")	Total/NA	Solid	8021B	10438
MB 880-10438/5-A	Method Blank	Total/NA	Solid	8021B	10438
LCS 880-10438/1-A	Lab Control Sample	Total/NA	Solid	8021B	10438
LCSD 880-10438/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	10438
880-7520-1 MS	S-1 (0-6")	Total/NA	Solid	8021B	10438
880-7520-1 MSD	S-1 (0-6")	Total/NA	Solid	8021B	10438

Analysis Batch: 11149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7520-1	S-1 (0-6")	Total/NA	Solid	Total BTEX	
880-7520-2	S-2 (0-6")	Total/NA	Solid	Total BTEX	
880-7520-3	S-3 (0-6")	Total/NA	Solid	Total BTEX	
880-7520-4	S-4 (0-6")	Total/NA	Solid	Total BTEX	
880-7520-5	S-5 (0-6")	Total/NA	Solid	Total BTEX	
880-7520-6	S-6 (0-6")	Total/NA	Solid	Total BTEX	
880-7520-7	H-1 (0-6")	Total/NA	Solid	Total BTEX	
880-7520-8	H-2 (0-6")	Total/NA	Solid	Total BTEX	
880-7520-9	H-3 (0-6")	Total/NA	Solid	Total BTEX	
880-7520-10	H-4 (0-6")	Total/NA	Solid	Total BTEX	
880-7520-11	H-5 (0-6")	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-7520-1
SDG: Lea Co NM

GC VOA (Continued)

Analysis Batch: 11149 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7520-12	H-6 (0-6")	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 10891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7520-1	S-1 (0-6")	Total/NA	Solid	8015B NM	10916
880-7520-2	S-2 (0-6")	Total/NA	Solid	8015B NM	10916
880-7520-3	S-3 (0-6")	Total/NA	Solid	8015B NM	10916
880-7520-4	S-4 (0-6")	Total/NA	Solid	8015B NM	10916
880-7520-5	S-5 (0-6")	Total/NA	Solid	8015B NM	10916
880-7520-6	S-6 (0-6")	Total/NA	Solid	8015B NM	10916
880-7520-7	H-1 (0-6")	Total/NA	Solid	8015B NM	10916
880-7520-8	H-2 (0-6")	Total/NA	Solid	8015B NM	10916
880-7520-9	H-3 (0-6")	Total/NA	Solid	8015B NM	10916
880-7520-10	H-4 (0-6")	Total/NA	Solid	8015B NM	10916
880-7520-11	H-5 (0-6")	Total/NA	Solid	8015B NM	10916
880-7520-12	H-6 (0-6")	Total/NA	Solid	8015B NM	10916
MB 880-10916/1-A	Method Blank	Total/NA	Solid	8015B NM	10916
LCS 880-10916/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	10916
LCSD 880-10916/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	10916
890-1481-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	10916
890-1481-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	10916

Prep Batch: 10916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7520-1	S-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-7520-2	S-2 (0-6")	Total/NA	Solid	8015NM Prep	
880-7520-3	S-3 (0-6")	Total/NA	Solid	8015NM Prep	
880-7520-4	S-4 (0-6")	Total/NA	Solid	8015NM Prep	
880-7520-5	S-5 (0-6")	Total/NA	Solid	8015NM Prep	
880-7520-6	S-6 (0-6")	Total/NA	Solid	8015NM Prep	
880-7520-7	H-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-7520-8	H-2 (0-6")	Total/NA	Solid	8015NM Prep	
880-7520-9	H-3 (0-6")	Total/NA	Solid	8015NM Prep	
880-7520-10	H-4 (0-6")	Total/NA	Solid	8015NM Prep	
880-7520-11	H-5 (0-6")	Total/NA	Solid	8015NM Prep	
880-7520-12	H-6 (0-6")	Total/NA	Solid	8015NM Prep	
MB 880-10916/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-10916/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-10916/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1481-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1481-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 10946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7520-1	S-1 (0-6")	Total/NA	Solid	8015 NM	
880-7520-2	S-2 (0-6")	Total/NA	Solid	8015 NM	
880-7520-3	S-3 (0-6")	Total/NA	Solid	8015 NM	
880-7520-4	S-4 (0-6")	Total/NA	Solid	8015 NM	
880-7520-5	S-5 (0-6")	Total/NA	Solid	8015 NM	

QC Association Summary

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-7520-1
SDG: Lea Co NM

GC Semi VOA (Continued)

Analysis Batch: 10946 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7520-6	S-6 (0-6")	Total/NA	Solid	8015 NM	
880-7520-7	H-1 (0-6")	Total/NA	Solid	8015 NM	
880-7520-8	H-2 (0-6")	Total/NA	Solid	8015 NM	
880-7520-9	H-3 (0-6")	Total/NA	Solid	8015 NM	
880-7520-10	H-4 (0-6")	Total/NA	Solid	8015 NM	
880-7520-11	H-5 (0-6")	Total/NA	Solid	8015 NM	
880-7520-12	H-6 (0-6")	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 10741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7520-1	S-1 (0-6")	Soluble	Solid	DI Leach	
880-7520-2	S-2 (0-6")	Soluble	Solid	DI Leach	
880-7520-3	S-3 (0-6")	Soluble	Solid	DI Leach	
880-7520-4	S-4 (0-6")	Soluble	Solid	DI Leach	
880-7520-5	S-5 (0-6")	Soluble	Solid	DI Leach	
880-7520-6	S-6 (0-6")	Soluble	Solid	DI Leach	
880-7520-7	H-1 (0-6")	Soluble	Solid	DI Leach	
880-7520-8	H-2 (0-6")	Soluble	Solid	DI Leach	
880-7520-9	H-3 (0-6")	Soluble	Solid	DI Leach	
880-7520-10	H-4 (0-6")	Soluble	Solid	DI Leach	
880-7520-11	H-5 (0-6")	Soluble	Solid	DI Leach	
880-7520-12	H-6 (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	
880-7520-6 MS	S-6 (0-6")	Soluble	Solid	DI Leach	
880-7520-6 MSD	S-6 (0-6")	Soluble	Solid	DI Leach	

Analysis Batch: 10801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7520-1	S-1 (0-6")	Soluble	Solid	300.0	10741
880-7520-2	S-2 (0-6")	Soluble	Solid	300.0	10741
880-7520-3	S-3 (0-6")	Soluble	Solid	300.0	10741
880-7520-4	S-4 (0-6")	Soluble	Solid	300.0	10741
880-7520-5	S-5 (0-6")	Soluble	Solid	300.0	10741
880-7520-6	S-6 (0-6")	Soluble	Solid	300.0	10741
880-7520-7	H-1 (0-6")	Soluble	Solid	300.0	10741
880-7520-8	H-2 (0-6")	Soluble	Solid	300.0	10741
880-7520-9	H-3 (0-6")	Soluble	Solid	300.0	10741
880-7520-10	H-4 (0-6")	Soluble	Solid	300.0	10741
880-7520-11	H-5 (0-6")	Soluble	Solid	300.0	10741
880-7520-12	H-6 (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
880-7520-6 MS	S-6 (0-6")	Soluble	Solid	300.0	10741
880-7520-6 MSD	S-6 (0-6")	Soluble	Solid	300.0	10741

Lab Chronicle

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-7520-1
SDG: Lea Co NM

Client Sample ID: S-1 (0-6")
Date Collected: 10/21/21 00:00
Date Received: 10/25/21 10:50

Lab Sample ID: 880-7520-1
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	10438	10/25/21 14:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10684	10/27/21 15:35	MR	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	10916	10/29/21 09:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10891	10/29/21 23:15	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		5			10801	10/29/21 13:56	CH	XEN MID

Client Sample ID: S-2 (0-6")
Date Collected: 10/21/21 00:00
Date Received: 10/25/21 10:50

Lab Sample ID: 880-7520-2
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	10438	10/25/21 14:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10684	10/27/21 16:02	MR	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	10916	10/29/21 09:53	DM	XEN MID
Total/NA	Analysis	8015B NM		5			10891	10/29/21 23:37	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	10741	10/27/21 12:38	SC	XEN MID
Soluble	Analysis	300.0		10			10801	10/29/21 14:03	CH	XEN MID

Client Sample ID: S-3 (0-6")
Date Collected: 10/21/21 00:00
Date Received: 10/25/21 10:50

Lab Sample ID: 880-7520-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	10438	10/25/21 14:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10684	10/27/21 16:29	MR	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	10916	10/29/21 09:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10891	10/29/21 23:58	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	10741	10/27/21 12:38	SC	XEN MID
Soluble	Analysis	300.0		50			10801	10/29/21 14:10	CH	XEN MID

Client Sample ID: S-4 (0-6")
Date Collected: 10/21/21 00:00
Date Received: 10/25/21 10:50

Lab Sample ID: 880-7520-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	10438	10/25/21 14:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10684	10/27/21 16:56	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11149	11/01/21 13:41	AJ	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-7520-1
SDG: Lea Co NM

Client Sample ID: S-4 (0-6")
Date Collected: 10/21/21 00:00
Date Received: 10/25/21 10:50

Lab Sample ID: 880-7520-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			10946	10/29/21 13:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	10916	10/29/21 09:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10891	10/30/21 00:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	10741	10/27/21 12:38	SC	XEN MID
Soluble	Analysis	300.0		20			10801	10/29/21 14:16	CH	XEN MID

Client Sample ID: S-5 (0-6")
Date Collected: 10/21/21 00:00
Date Received: 10/25/21 10:50

Lab Sample ID: 880-7520-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	10438	10/25/21 14:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10684	10/27/21 17:24	MR	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	10916	10/29/21 09:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10891	10/30/21 00:41	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	10741	10/27/21 12:38	SC	XEN MID
Soluble	Analysis	300.0		50			10801	10/29/21 14:24	CH	XEN MID

Client Sample ID: S-6 (0-6")
Date Collected: 10/21/21 00:00
Date Received: 10/25/21 10:50

Lab Sample ID: 880-7520-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	10438	10/25/21 14:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10684	10/27/21 17:51	MR	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	10916	10/29/21 09:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10891	10/30/21 01:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	10741	10/27/21 12:38	SC	XEN MID
Soluble	Analysis	300.0		10			10801	10/29/21 14:30	CH	XEN MID

Client Sample ID: H-1 (0-6")
Date Collected: 10/21/21 00:00
Date Received: 10/25/21 10:50

Lab Sample ID: 880-7520-7
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			5.05 g	5 mL	10438	10/25/21 14:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10684	10/27/21 18:19	MR	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	10916	10/29/21 09:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10891	10/30/21 01:23	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-7520-1
SDG: Lea Co NM

Client Sample ID: H-1 (0-6")
Date Collected: 10/21/21 00:00
Date Received: 10/25/21 10:50

Lab Sample ID: 880-7520-7
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			4.97 g	50 mL	10741	10/27/21 12:38	SC	XEN MID
Soluble	Analysis	300.0		1			10801	10/29/21 14:51	CH	XEN MID

Client Sample ID: H-2 (0-6")
Date Collected: 10/21/21 00:00
Date Received: 10/25/21 10:50

Lab Sample ID: 880-7520-8
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			4.99 g	5 mL	10438	10/25/21 14:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10684	10/27/21 18:47	MR	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	10916	10/29/21 09:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10891	10/30/21 02:06	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	10741	10/27/21 12:38	SC	XEN MID
Soluble	Analysis	300.0		1			10801	10/29/21 14:58	CH	XEN MID

Client Sample ID: H-3 (0-6")
Date Collected: 10/21/21 00:00
Date Received: 10/25/21 10:50

Lab Sample ID: 880-7520-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	10438	10/25/21 14:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10684	10/27/21 19:14	MR	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	10916	10/29/21 09:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10891	10/30/21 02:27	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	10741	10/27/21 12:38	SC	XEN MID
Soluble	Analysis	300.0		1			10801	10/29/21 15:19	CH	XEN MID

Client Sample ID: H-4 (0-6")
Date Collected: 10/21/21 00:00
Date Received: 10/25/21 10:50

Lab Sample ID: 880-7520-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	10438	10/25/21 14:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10684	10/27/21 19:42	MR	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	10916	10/29/21 09:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10891	10/30/21 02:49	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	10741	10/27/21 12:38	SC	XEN MID
Soluble	Analysis	300.0		1			10801	10/29/21 15:26	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-7520-1
SDG: Lea Co NM

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

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

Lab Sample ID: 880-7520-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	10438	10/25/21 14:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10684	10/27/21 21:32	MR	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	10916	10/29/21 09:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10891	10/30/21 03:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	10741	10/27/21 12:38	SC	XEN MID
Soluble	Analysis	300.0		1			10801	10/29/21 15:32	CH	XEN MID

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

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

Lab Sample ID: 880-7520-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	10438	10/25/21 14:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10684	10/27/21 22:00	MR	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	10916	10/29/21 09:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10891	10/30/21 03:32	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		1			10801	10/31/21 18:22	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-7520-1
SDG: Lea Co NM

Laboratory: Eurofins Xenco, Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-7520-1
SDG: Lea Co NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-7520-1
SDG: Lea Co NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-7520-1	S-1 (0-6")	Solid	10/21/21 00:00	10/25/21 10:50
880-7520-2	S-2 (0-6")	Solid	10/21/21 00:00	10/25/21 10:50
880-7520-3	S-3 (0-6")	Solid	10/21/21 00:00	10/25/21 10:50
880-7520-4	S-4 (0-6")	Solid	10/21/21 00:00	10/25/21 10:50
880-7520-5	S-5 (0-6")	Solid	10/21/21 00:00	10/25/21 10:50
880-7520-6	S-6 (0-6")	Solid	10/21/21 00:00	10/25/21 10:50
880-7520-7	H-1 (0-6")	Solid	10/21/21 00:00	10/25/21 10:50
880-7520-8	H-2 (0-6")	Solid	10/21/21 00:00	10/25/21 10:50
880-7520-9	H-3 (0-6")	Solid	10/21/21 00:00	10/25/21 10:50
880-7520-10	H-4 (0-6")	Solid	10/21/21 00:00	10/25/21 10:50
880-7520-11	H-5 (0-6")	Solid	10/21/21 00:00	10/25/21 10:50
880-7520-12	H-6 (0-6")	Solid	10/21/21 00:00	10/25/21 10:50

Chain of Custody

NTG ENVIRONMENTAL

Work 
880-7520 Chain of Custody

11/1/2021

Page 1 of 2

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

Work Order Comments

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

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name:	Hamon State #001	Turn Around	
Project Number:	214798	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date	Standard
Sampler's Name:	CCM	TAT starts the day received by the lab if received by 4 30pm	
PO #:			

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

ANALYSIS REQUEST

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD	Sample Comments
S-1 (0-6")	10/21/2021		X		G	1		X	X	X		
S-2 (0-6")	10/21/2021		X		G	1		X	X	X		
S-3 (0-6")	10/21/2021		X		G	1		X	X	X		
S-4 (0-6")	10/21/2021		X		G	1		X	X	X		
S-5 (0-6")	10/21/2021		X		G	1		X	X	X		
S-6 (0-6")	10/21/2021		X		G	1		X	X	X		
H-1 (0-6")	10/21/2021		X		G	1		X	X	X		
H-2 (0-6")	10/21/2021		X		G	1		X	X	X		
H-3 (0-6")	10/21/2021		X		G	1		X	X	X		
H-4 (0-6")	10/21/2021		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 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		10.25.21 1058	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020.1

Chain of Custody

Loc: 880
7520

Work Order No: ____

NTG ENVIRONMENTAL

Page 1 of 2

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

Work Order Comments

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

Project Name:	Hamon State #001	Turn Around			
Project Number:	214798	☑ Routine	☐ Rush		
Project Location	Lea Co, NM	Due Date	Standard		
Sampler's Name	CCM	TAT starts the day received by the lab if received by 4 30pm			
PO #:					

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

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD	Sample Comments
H-5 (0-6")	10/21/2021		X		G	1		X	X	X		
H-6 (0-6")	10/21/2021		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 subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

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

Revised Date 05012020 Rev 2020.1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-7520-1
SDG Number: Lea Co NM

Login Number: 7520
List Number: 1
Creator: Kramer, Jessica

List Source: Eurofins Xenco, Midland

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

Report to:

Mike Carmona

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

NTG-New Tech Global Environmental

Project Name:	Hamon State #001
Work Order:	E112038
Job Number:	21106-0001
Received:	12/9/2021

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/15/21

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

Date Reported: 12/15/21

Mike Carmona
911 Regional Park Dr.
Houston, TX 77060

Project Name: Hamon State #001
Workorder: E112038
Date Received: 12/9/2021 11:16:00AM

Mike Carmona,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/9/2021 11:16:00AM, under the Project Name: Hamon State #001.

The analytical test results summarized in this report with the Project Name: Hamon State #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Alexa Michaels
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ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	**Reported:**
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/21 15:33

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
H-1 (0-0.5')	E112038-01A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
H-3 (0-0.5')	E112038-02A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
H-4 (0-0.5')	E112038-03A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
H-5 (0-0.5')	E112038-04A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:33:23PM

H-1 (0-0.5')

E112038-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*98.0 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.8 %*	*70-130*	*12/10/21*	*12/14/21*	
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	12/14/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/14/21	
Surrogate: n-Nonane		*115 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150048
Chloride	**184**	20.0	1	12/11/21	12/11/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:33:23PM

H-3 (0-0.5')

E112038-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*97.6 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.7 %*	*70-130*	*12/10/21*	*12/14/21*	
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	12/14/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/14/21	
Surrogate: n-Nonane		*114 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150048
Chloride	**51.7**	20.0	1	12/11/21	12/11/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:33:23PM

H-4 (0-0.5')

E112038-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*97.4 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.7 %*	*70-130*	*12/10/21*	*12/14/21*	
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	12/14/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/14/21	
Surrogate: n-Nonane		*111 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150048
Chloride	**56.6**	20.0	1	12/11/21	12/11/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:33:23PM

H-5 (0-0.5')

E112038-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150043
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.6 %*	*70-130*	*12/10/21*	*12/14/21*	
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	12/14/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/21	12/14/21	
Surrogate: n-Nonane		*114 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150048
Chloride	**63.0**	20.0	1	12/11/21	12/11/21	

QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	**Reported:**
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:33:23PM

Volatile Organics by EPA 8021B

Analyst: RKS

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

QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	**Reported:**
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:33:23PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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

QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	**Reported:**
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:33:23PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (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	Project Name:	Hamon State #001	**Reported:**
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:33:23PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2150048-BLK1)									Prepared: 12/11/21 Analyzed: 12/11/21
Chloride	ND	20.0							
LCS (2150048-BS1)									Prepared: 12/11/21 Analyzed: 12/11/21
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2150048-MS1)				**Source: E112038-01**					Prepared: 12/11/21 Analyzed: 12/11/21
Chloride	431	20.0	250	184	98.9	80-120			
Matrix Spike Dup (2150048-MSD1)				**Source: E112038-01**					Prepared: 12/11/21 Analyzed: 12/11/21
Chloride	418	20.0	250	184	93.3	80-120	3.27	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:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/21 15:33

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: E112038

Job # 21106-0001 ~~214798~~ CC 12/9/21

Page 1 of 1

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

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Hamon State #001	Turn Around	
Project Number:	214798	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date:	Standard
Sampler's Name:	NH	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

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

Preservative Codes

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

	Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
1	H-1 (0-0.5')	12/8/2021	-	X	-	G	1		X	X	X		H-1 (0-6")
2	H-3 (0-0.5')	12/8/2021	-	X	-	G	1		X	X	X		H-3 (0-6")
3	H-4 (0-0.5')	12/8/2021	-	X	-	G	1		X	X	X		H-4 (0-6")
4	H-5 (0-0.5')	12/8/2021	-	X	-	G	1		X	X	X		H-5 (0-6")

Additoinal Comments:

Samples received w/ 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		12.9.21 1:31	2		
3 ~~Cadley Chisholm~~	Cadley Christian	12/9/21 11:16	4		
5			6		

Revised Date 05012020 Rev. 2020.1

Envirotech Analytical Laboratory

Printed: 12/11/2021 2:44:32PM

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 11:16	Work Order ID:	E112038
Phone:	(432) 685-3898	Date Logged In:	12/09/21 10:40	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?	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	Carrier: FedEx
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Physical Sample ID does not match COC.
Noted on COC

Client Instruction

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

Date

envirotech Inc.

Report to:

Mike Carmona

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

NTG-New Tech Global Environmental

Project Name:	Hamon State #001
Work Order:	E112042
Job Number:	21106-0001
Received:	12/9/2021

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/15/21

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

Date Reported: 12/15/21

Mike Carmona
911 Regional Park Dr.
Houston, TX 77060

Project Name: Hamon State #001
Workorder: E112042
Date Received: 12/9/2021 11:24:00AM

Mike Carmona,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/9/2021 11:24:00AM, under the Project Name: Hamon State #001.

The analytical test results summarized in this report with the Project Name: Hamon State #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

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Technical Representative/Client Services
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Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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Sample Summary

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	**Reported:**
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/21 15:46

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
T-1 (0-1')	E112042-01A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-1 (1')	E112042-02A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-1 (2')	E112042-03A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-1 (3')	E112042-04A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-2 (0-1')	E112042-05A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-2 (1')	E112042-06A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-2 (2')	E112042-07A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-2 (3')	E112042-08A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-3 (0-1')	E112042-09A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-3 (1')	E112042-10A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-3 (2')	E112042-11A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-3 (3')	E112042-12A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-4 (0-1')	E112042-13A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-4 (1')	E112042-14A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-4 (2')	E112042-15A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-4 (3')	E112042-16A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-5 (0-1')	E112042-17A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-5 (1')	E112042-18A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-5 (2')	E112042-19A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-5 (3')	E112042-20A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-5 (4')	E112042-21A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-6 (0-1')	E112042-22A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-6 (1')	E112042-23A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-6 (2')	E112042-24A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.
T-6 (3')	E112042-25A	Soil	12/08/21	12/09/21	Glass Jar, 4 oz.

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-1 (0-1')

E112042-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150054
Diesel Range Organics (C10-C28)	**1930**	25.0	1	12/10/21	12/13/21	
Oil Range Organics (C28-C36)	**1040**	50.0	1	12/10/21	12/13/21	
Surrogate: n-Nonane		*115 %*	*50-200*	*12/10/21*	*12/13/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150049
Chloride	**57900**	2000	100	12/10/21	12/11/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-1 (1')

E112042-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*96.1 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.4 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150054
Diesel Range Organics (C10-C28)	**4280**	25.0	1	12/10/21	12/13/21	
Oil Range Organics (C28-C36)	**1890**	50.0	1	12/10/21	12/13/21	
Surrogate: n-Nonane		*122 %*	*50-200*	*12/10/21*	*12/13/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150049
Chloride	**18200**	400	20	12/10/21	12/11/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-1 (2')

E112042-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150054
Diesel Range Organics (C10-C28)	**1750**	50.0	2	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	**729**	100	2	12/10/21	12/14/21	
Surrogate: n-Nonane		*115 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150049
Chloride	**17200**	400	20	12/10/21	12/11/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-1 (3')

E112042-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150054
Diesel Range Organics (C10-C28)	**85.9**	25.0	1	12/10/21	12/15/21	
Oil Range Organics (C28-C36)	**52.0**	50.0	1	12/10/21	12/15/21	
Surrogate: n-Nonane		*111 %*	*50-200*	*12/10/21*	*12/15/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150049
Chloride	**15700**	400	20	12/10/21	12/11/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-2 (0-1')

E112042-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150054
Diesel Range Organics (C10-C28)	**570**	25.0	1	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	**572**	50.0	1	12/10/21	12/14/21	
Surrogate: n-Nonane		*119 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150049
Chloride	**5700**	40.0	2	12/10/21	12/11/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-2 (1')

E112042-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150054
Diesel Range Organics (C10-C28)	**8440**	500	20	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	**3430**	1000	20	12/10/21	12/14/21	
Surrogate: n-Nonane		*115 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150049
Chloride	**1090**	20.0	1	12/10/21	12/11/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-2 (2')

E112042-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150054
Diesel Range Organics (C10-C28)	**2590**	25.0	1	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	**1170**	50.0	1	12/10/21	12/14/21	
Surrogate: n-Nonane		*136 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150049
Chloride	**473**	20.0	1	12/10/21	12/11/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-2 (3')

E112042-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150054
Diesel Range Organics (C10-C28)	**1720**	50.0	2	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	**597**	100	2	12/10/21	12/14/21	
Surrogate: n-Nonane		*120 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150049
Chloride	**224**	20.0	1	12/10/21	12/11/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-3 (0-1')

E112042-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150054
Diesel Range Organics (C10-C28)	**810**	25.0	1	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	**893**	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: 2150049
Chloride	**5770**	40.0	2	12/10/21	12/11/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-3 (1')

E112042-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*97.2 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150054
Diesel Range Organics (C10-C28)	**339**	25.0	1	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	**217**	50.0	1	12/10/21	12/14/21	
Surrogate: n-Nonane		*120 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150049
Chloride	**1110**	20.0	1	12/10/21	12/11/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-3 (2')

E112042-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*99.4 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150054
Diesel Range Organics (C10-C28)	**46.0**	25.0	1	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	**69.1**	50.0	1	12/10/21	12/14/21	
Surrogate: n-Nonane		*114 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150049
Chloride	**7210**	200	10	12/10/21	12/11/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-3 (3')

E112042-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*98.4 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150054
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		*98.6 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150049
Chloride	**5910**	100	5	12/10/21	12/11/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-4 (0-1')

E112042-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*98.9 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150054
Diesel Range Organics (C10-C28)	**56.4**	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		*113 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150049
Chloride	**3530**	40.0	2	12/10/21	12/11/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-4 (1')

E112042-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*98.3 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150054
Diesel Range Organics (C10-C28)	**41.6**	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: 2150049
Chloride	**3100**	40.0	2	12/10/21	12/11/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-4 (2')

E112042-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*94.5 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.6 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150054
Diesel Range Organics (C10-C28)	**45.7**	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		*114 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150049
Chloride	**3310**	40.0	2	12/10/21	12/11/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-4 (3')

E112042-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*93.9 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.7 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150054
Diesel Range Organics (C10-C28)	**76.9**	25.0	1	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	**52.9**	50.0	1	12/10/21	12/14/21	
Surrogate: n-Nonane		*111 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150049
Chloride	**1270**	20.0	1	12/10/21	12/11/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-5 (0-1')

E112042-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*97.8 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150054
Diesel Range Organics (C10-C28)	**12900**	250	10	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	**5300**	500	10	12/10/21	12/14/21	
Surrogate: n-Nonane		*107 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150049
Chloride	**8510**	200	10	12/10/21	12/11/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-5 (1')

E112042-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*96.1 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.8 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150054
Diesel Range Organics (C10-C28)	**19800**	250	10	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	**9090**	500	10	12/10/21	12/14/21	
Surrogate: n-Nonane		*114 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150049
Chloride	**8150**	200	10	12/10/21	12/11/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-5 (2')

E112042-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.3 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150054
Diesel Range Organics (C10-C28)	**6930**	250	10	12/10/21	12/15/21	
Oil Range Organics (C28-C36)	**2730**	500	10	12/10/21	12/15/21	
Surrogate: n-Nonane		*108 %*	*50-200*	*12/10/21*	*12/15/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150049
Chloride	**8310**	200	10	12/10/21	12/11/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-5 (3')

E112042-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Benzene	ND	0.0250	1	12/10/21	12/14/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/14/21	
Toluene	ND	0.0250	1	12/10/21	12/14/21	
o-Xylene	ND	0.0250	1	12/10/21	12/14/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/14/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/14/21	
Surrogate: 4-Bromochlorobenzene-PID		*95.8 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*100 %*	*70-130*	*12/10/21*	*12/14/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150054
Diesel Range Organics (C10-C28)	**45.1**	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		*113 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150049
Chloride	**1650**	40.0	2	12/10/21	12/11/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-5 (4')

E112042-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150044
Benzene	ND	0.0250	1	12/10/21	12/13/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/13/21	
Toluene	ND	0.0250	1	12/10/21	12/13/21	
o-Xylene	ND	0.0250	1	12/10/21	12/13/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/13/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/13/21	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*12/10/21*	*12/13/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150044
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/13/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*12/10/21*	*12/13/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150053
Diesel Range Organics (C10-C28)	**118**	25.0	1	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	**67.3**	50.0	1	12/10/21	12/14/21	
Surrogate: n-Nonane		*115 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150048
Chloride	**1560**	40.0	2	12/11/21	12/11/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-6 (0-1')

E112042-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150044
Benzene	ND	0.0250	1	12/10/21	12/13/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/13/21	
Toluene	ND	0.0250	1	12/10/21	12/13/21	
o-Xylene	ND	0.0250	1	12/10/21	12/13/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/13/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/13/21	
Surrogate: 4-Bromochlorobenzene-PID		*96.8 %*	*70-130*	*12/10/21*	*12/13/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150044
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/13/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*12/10/21*	*12/13/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150053
Diesel Range Organics (C10-C28)	**3240**	50.0	2	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	**3050**	100	2	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: 2150048
Chloride	**1380**	20.0	1	12/11/21	12/11/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-6 (1')

E112042-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150044
Benzene	ND	0.0250	1	12/10/21	12/13/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/13/21	
Toluene	ND	0.0250	1	12/10/21	12/13/21	
o-Xylene	ND	0.0250	1	12/10/21	12/13/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/13/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/13/21	
Surrogate: 4-Bromochlorobenzene-PID		*96.0 %*	*70-130*	*12/10/21*	*12/13/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150044
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/13/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*	*70-130*	*12/10/21*	*12/13/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150053
Diesel Range Organics (C10-C28)	**62.1**	25.0	1	12/10/21	12/14/21	
Oil Range Organics (C28-C36)	**70.9**	50.0	1	12/10/21	12/14/21	
Surrogate: n-Nonane		*114 %*	*50-200*	*12/10/21*	*12/14/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150048
Chloride	**1560**	20.0	1	12/11/21	12/11/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-6 (2')

E112042-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150044
Benzene	ND	0.0250	1	12/10/21	12/13/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/13/21	
Toluene	ND	0.0250	1	12/10/21	12/13/21	
o-Xylene	ND	0.0250	1	12/10/21	12/13/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/13/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/13/21	
Surrogate: 4-Bromochlorobenzene-PID		*97.3 %*	*70-130*	*12/10/21*	*12/13/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150044
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/13/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*12/10/21*	*12/13/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2150053
Diesel Range Organics (C10-C28)	**54.6**	25.0	1	12/10/21	12/15/21	
Oil Range Organics (C28-C36)	**58.0**	50.0	1	12/10/21	12/15/21	
Surrogate: n-Nonane		*107 %*	*50-200*	*12/10/21*	*12/15/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150048
Chloride	**1280**	20.0	1	12/11/21	12/11/21	

Sample Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-6 (3')

E112042-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2150044
Benzene	ND	0.0250	1	12/10/21	12/13/21	
Ethylbenzene	ND	0.0250	1	12/10/21	12/13/21	
Toluene	ND	0.0250	1	12/10/21	12/13/21	
o-Xylene	ND	0.0250	1	12/10/21	12/13/21	
p,m-Xylene	ND	0.0500	1	12/10/21	12/13/21	
Total Xylenes	ND	0.0250	1	12/10/21	12/13/21	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*12/10/21*	*12/13/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2150044
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/21	12/13/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.1 %*	*70-130*	*12/10/21*	*12/13/21*	
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		*114 %*	*50-200*	*12/10/21*	*12/15/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2150048
Chloride	**1390**	20.0	1	12/11/21	12/11/21	

QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	**Reported:**
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2150040-BLK1)									Prepared: 12/10/21 Analyzed: 12/14/21
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.60*		*8.00*		*95.0*	*70-130*			
LCS (2150040-BS1)									Prepared: 12/10/21 Analyzed: 12/14/21
Benzene	4.95	0.0250	5.00		98.9	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.27	0.0250	5.00		105	70-130			
o-Xylene	5.02	0.0250	5.00		100	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.66*		*8.00*		*95.8*	*70-130*			
Matrix Spike (2150040-MS1)				**Source: E112042-02**					Prepared: 12/10/21 Analyzed: 12/14/21
Benzene	4.78	0.0250	5.00	ND	95.6	54-133			
Ethylbenzene	4.91	0.0250	5.00	ND	98.2	61-133			
Toluene	5.11	0.0250	5.00	ND	102	61-130			
o-Xylene	4.82	0.0250	5.00	ND	96.5	63-131			
p,m-Xylene	9.90	0.0500	10.0	ND	99.0	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	98.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.65*		*8.00*		*95.6*	*70-130*			
Matrix Spike Dup (2150040-MSD1)				**Source: E112042-02**					Prepared: 12/10/21 Analyzed: 12/14/21
Benzene	4.70	0.0250	5.00	ND	94.0	54-133	1.74	20	
Ethylbenzene	4.82	0.0250	5.00	ND	96.4	61-133	1.91	20	
Toluene	5.03	0.0250	5.00	ND	101	61-130	1.59	20	
o-Xylene	4.72	0.0250	5.00	ND	94.4	63-131	2.13	20	
p,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131	2.07	20	
Total Xylenes	14.4	0.0250	15.0	ND	96.1	63-131	2.09	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.52*		*8.00*		*94.0*	*70-130*			

QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	**Reported:**
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2150044-BLK1)									Prepared: 12/10/21 Analyzed: 12/14/21
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.86*		*8.00*		*98.2*	*70-130*			
LCS (2150044-BS1)									Prepared: 12/10/21 Analyzed: 12/14/21
Benzene	4.68	0.0250	5.00		93.7	70-130			
Ethylbenzene	4.63	0.0250	5.00		92.7	70-130			
Toluene	4.79	0.0250	5.00		95.8	70-130			
o-Xylene	4.76	0.0250	5.00		95.1	70-130			
p,m-Xylene	9.42	0.0500	10.0		94.2	70-130			
Total Xylenes	14.2	0.0250	15.0		94.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.10*		*8.00*		*101*	*70-130*			
Matrix Spike (2150044-MS1)				**Source: E112044-01**					Prepared: 12/10/21 Analyzed: 12/14/21
Benzene	4.59	0.0250	5.00	ND	91.9	54-133			
Ethylbenzene	4.55	0.0250	5.00	ND	90.9	61-133			
Toluene	4.71	0.0250	5.00	ND	94.2	61-130			
o-Xylene	4.67	0.0250	5.00	ND	93.5	63-131			
p,m-Xylene	9.25	0.0500	10.0	ND	92.5	63-131			
Total Xylenes	13.9	0.0250	15.0	ND	92.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.93*		*8.00*		*99.1*	*70-130*			
Matrix Spike Dup (2150044-MSD1)				**Source: E112044-01**					Prepared: 12/10/21 Analyzed: 12/14/21
Benzene	4.40	0.0250	5.00	ND	88.0	54-133	4.24	20	
Ethylbenzene	4.34	0.0250	5.00	ND	86.7	61-133	4.76	20	
Toluene	4.49	0.0250	5.00	ND	89.8	61-130	4.72	20	
o-Xylene	4.47	0.0250	5.00	ND	89.4	63-131	4.44	20	
p,m-Xylene	8.82	0.0500	10.0	ND	88.2	63-131	4.75	20	
Total Xylenes	13.3	0.0250	15.0	ND	88.6	63-131	4.65	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.02*		*8.00*		*100*	*70-130*			

QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	**Reported:**
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2150040-BLK1)									Prepared: 12/10/21 Analyzed: 12/14/21
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.84*		*8.00*		*98.0*	*70-130*			
LCS (2150040-BS2)									Prepared: 12/10/21 Analyzed: 12/14/21
Gasoline Range Organics (C6-C10)	41.7	20.0	50.0		83.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.81*		*8.00*		*97.6*	*70-130*			
Matrix Spike (2150040-MS2)				**Source: E112042-02**					Prepared: 12/10/21 Analyzed: 12/14/21
Gasoline Range Organics (C6-C10)	45.6	20.0	50.0	ND	91.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.05*		*8.00*		*101*	*70-130*			
Matrix Spike Dup (2150040-MSD2)				**Source: E112042-02**					Prepared: 12/10/21 Analyzed: 12/14/21
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0	ND	90.7	70-130	0.566	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.93*		*8.00*		*99.1*	*70-130*			

QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	**Reported:**
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2150044-BLK1)									Prepared: 12/10/21 Analyzed: 12/14/21
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.58*		*8.00*		*94.8*	*70-130*			
LCS (2150044-BS2)									Prepared: 12/10/21 Analyzed: 12/14/21
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0		96.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.73*		*8.00*		*96.6*	*70-130*			
Matrix Spike (2150044-MS2)				**Source: E112044-01**					Prepared: 12/10/21 Analyzed: 12/14/21
Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.4*	*70-130*			
Matrix Spike Dup (2150044-MSD2)				**Source: E112044-01**					Prepared: 12/10/21 Analyzed: 12/14/21
Gasoline Range Organics (C6-C10)	45.5	20.0	50.0	ND	91.1	70-130	3.94	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.73*		*8.00*		*96.6*	*70-130*			

QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	**Reported:**
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (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	Project Name:	Hamon State #001	**Reported:**
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2150054-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	*50.2*		*50.0*		*100*	*50-200*			
LCS (2150054-BS1)									Prepared: 12/10/21 Analyzed: 12/13/21
Diesel Range Organics (C10-C28)	482	25.0	500		96.5	38-132			
Surrogate: n-Nonane	*54.7*		*50.0*		*109*	*50-200*			
Matrix Spike (2150054-MS1)				**Source: E112042-09**					Prepared: 12/10/21 Analyzed: 12/14/21
Diesel Range Organics (C10-C28)	1180	25.0	500	810	73.6	38-132			
Surrogate: n-Nonane	*49.2*		*50.0*		*98.4*	*50-200*			
Matrix Spike Dup (2150054-MSD1)				**Source: E112042-09**					Prepared: 12/10/21 Analyzed: 12/15/21
Diesel Range Organics (C10-C28)	1110	25.0	500	810	60.7	38-132	5.65	20	
Surrogate: n-Nonane	*78.2*		*50.0*		*156*	*50-200*			

QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	**Reported:**
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2150048-BLK1)									Prepared: 12/11/21 Analyzed: 12/11/21
Chloride	ND	20.0							
LCS (2150048-BS1)									Prepared: 12/11/21 Analyzed: 12/11/21
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2150048-MS1)				**Source: E112038-01**					Prepared: 12/11/21 Analyzed: 12/11/21
Chloride	431	20.0	250	184	98.9	80-120			
Matrix Spike Dup (2150048-MSD1)				**Source: E112038-01**					Prepared: 12/11/21 Analyzed: 12/11/21
Chloride	418	20.0	250	184	93.3	80-120	3.27	20	

QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	**Reported:**
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2150049-BLK1)									Prepared: 12/10/21 Analyzed: 12/11/21
Chloride	ND	20.0							
LCS (2150049-BS1)									Prepared: 12/10/21 Analyzed: 12/11/21
Chloride	267	20.0	250		107	90-110			
Matrix Spike (2150049-MS1)				**Source: E112042-01**					Prepared: 12/10/21 Analyzed: 12/11/21
Chloride	39100	2000	250	57900	NR	80-120			M5
Matrix Spike Dup (2150049-MSD1)				**Source: E112042-01**					Prepared: 12/10/21 Analyzed: 12/11/21
Chloride	40500	2000	250	57900	NR	80-120	3.56	20	M5

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

Definitions and Notes

NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
911 Regional Park Dr.	Project Number:	21106-0001	**Reported:**
Houston TX, 77060	Project Manager:	Mike Carmona	12/15/21 15:46

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

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

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

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: E112042

Job # 21106-0001

Page 1 of 3

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

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Hamon State #001	Turn Around		Pres. Code	
Project Number:	214798	☑ Routine	☐ Rush		
Project Location	Lea Co, NM	Due Date:	Standard		
Sampler's Name:	NH	TAT starts the day received by the lab, if received by 4:30pm			
PO #:					

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

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	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-1 (2')	12/8/2021	-	X	-	G	1	X	X	X		
T-1 (3')	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-2 (2')	12/8/2021	-	X	-	G	1	X	X	X		
T-2 (3')	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		

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1 2 3 4 5 6 7 8 9 10

Additoinal Comments:

Samples recieved 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 Nicholas		12.8.21 / 1:31	2		
3	Caitlin Christian	12/9/21 11:24	4		
5			6		

Revised Date 05012020 Rev. 2020.1

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: E112042

Job # 21106-0001

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

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Hamon State #001	Turn Around	
Project Number:	214798	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date:	Standard
Sampler's Name:	NH	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

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

Preservative Codes

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

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

Additoinal Comments:

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Nick Hart		12.8.21 / 1:31	2		
3		Courtney Christian	12/9/21 11:24	4		
5				6		

Revised Date 05012020 Rev. 2020.1

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: E112042
Job # 21106-0001

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

Work Order Comments

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

Project Name:	Hamon State #001	Turn Around	
Project Number:	214798	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date:	Standard
Sampler's Name:	NH	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

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

Preservative Codes

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

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

Additoinal Comments:

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Nick Hurd		12.8.21 / 1:31	2		
3	Caitlin Christian	12/9/21 11:25	4		
5			6		

Revised Date 05012020 Rev. 2020.1

Envirotech Analytical Laboratory

Printed: 12/10/2021 4:42:22PM

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 11:24	Work Order ID:	E112042
Phone:	(432) 685-3898	Date Logged In:	12/09/21 11:56	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	Carrier: FedEx
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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 Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-11142-1
Laboratory Sample Delivery Group: Lea, Co, NM
Client Project/Site: Hamon State #001

For:
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Gordon Banks

JKramer

Authorized for release by:
2/16/2022 3:48:23 PM

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

Client: NT Global
Project/Site: Hamon State #001

Laboratory Job ID: 880-11142-1
SDG: Lea, Co, NM

Table of Contents

Definitions/Glossary

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-11142-1
SDG: Lea, Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
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: Hamon State #001

Job ID: 880-11142-1
SDG: Lea, Co, NM

Job ID: 880-11142-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-11142-1

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
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-19022 and analytical batch 880-19117 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 880-19065 and analytical batch 880-19436 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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: Hamon State #001

Job ID: 880-11142-1
SDG: Lea, Co, NM

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

Lab Sample ID: 880-11142-1
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 F1	0.00200		mg/Kg		02/11/22 08:30	02/11/22 14:09	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		02/11/22 08:30	02/11/22 14:09	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		02/11/22 08:30	02/11/22 14:09	1
m-Xylene & p-Xylene	<0.00401	U F1	0.00401		mg/Kg		02/11/22 08:30	02/11/22 14:09	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		02/11/22 08:30	02/11/22 14:09	1
Xylenes, Total	<0.00401	U F1	0.00401		mg/Kg		02/11/22 08:30	02/11/22 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*02/11/22 08:30*	*02/11/22 14:09*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*02/11/22 08:30*	*02/11/22 14:09*	*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			02/14/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**181**		49.9		mg/Kg			02/15/22 20:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/10/22 10:52	02/11/22 15:54	1
Diesel Range Organics (Over C10-C28)	**181**		49.9		mg/Kg		02/10/22 10:52	02/11/22 15:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/22 10:52	02/11/22 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*02/10/22 10:52*	*02/11/22 15:54*	*1*
o-Terphenyl	*82*		*70 - 130*	*02/10/22 10:52*	*02/11/22 15:54*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3690**		24.9		mg/Kg			02/15/22 21:03	5

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

Lab Sample ID: 880-11142-2
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	<0.00199	U	0.00199		mg/Kg		02/11/22 08:30	02/11/22 14:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/11/22 08:30	02/11/22 14:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/11/22 08:30	02/11/22 14:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/11/22 08:30	02/11/22 14:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/11/22 08:30	02/11/22 14:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/11/22 08:30	02/11/22 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*02/11/22 08:30*	*02/11/22 14:29*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*02/11/22 08:30*	*02/11/22 14:29*	*1*

Client Sample Results

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-11142-1
SDG: Lea, Co, NM

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

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

Lab Sample ID: 880-11142-2
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/14/22 09:32	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			02/15/22 20:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/10/22 10:52	02/11/22 16:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/10/22 10:52	02/11/22 16:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/22 10:52	02/11/22 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*02/10/22 10:52*	*02/11/22 16:15*	*1*
o-Terphenyl	*87*		*70 - 130*	*02/10/22 10:52*	*02/11/22 16:15*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**309**		4.96		mg/Kg			02/15/22 21:12	1

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

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

Lab Sample ID: 880-11142-3
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/11/22 14:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/11/22 14:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/11/22 14:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/11/22 08:30	02/11/22 14:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/11/22 14:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/11/22 08:30	02/11/22 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*02/11/22 08:30*	*02/11/22 14:50*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*02/11/22 08:30*	*02/11/22 14:50*	*1*

Method: Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/15/22 20:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/10/22 10:52	02/11/22 16:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/10/22 10:52	02/11/22 16:57	1

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-11142-1
SDG: Lea, Co, NM

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

Lab Sample ID: 880-11142-3
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
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/22 10:52	02/11/22 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*02/10/22 10:52*	*02/11/22 16:57*	*1*
o-Terphenyl	*86*		*70 - 130*	*02/10/22 10:52*	*02/11/22 16:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1850**		25.1		mg/Kg			02/15/22 21:21	5

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

Lab Sample ID: 880-11142-4
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	<0.00198	U	0.00198		mg/Kg		02/11/22 08:30	02/11/22 15:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/11/22 08:30	02/11/22 15:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/11/22 08:30	02/11/22 15:10	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/11/22 08:30	02/11/22 15:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/11/22 08:30	02/11/22 15:10	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/11/22 08:30	02/11/22 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*02/11/22 08:30*	*02/11/22 15:10*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/11/22 08:30*	*02/11/22 15:10*	*1*

Method: Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/15/22 20:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/22 10:52	02/11/22 17:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 10:52	02/11/22 17:17	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 10:52	02/11/22 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*02/10/22 10:52*	*02/11/22 17:17*	*1*
o-Terphenyl	*83*		*70 - 130*	*02/10/22 10:52*	*02/11/22 17:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**457**		4.98		mg/Kg			02/15/22 21:30	1

Client Sample Results

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-11142-1
SDG: Lea, Co, NM

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

Lab Sample ID: 880-11142-5
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		02/11/22 08:30	02/11/22 15:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/11/22 15:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/11/22 15:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/11/22 08:30	02/11/22 15:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/11/22 15:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/11/22 08:30	02/11/22 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*02/11/22 08:30*	*02/11/22 15:31*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*02/11/22 08:30*	*02/11/22 15:31*	*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			02/14/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/15/22 20:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/22 10:52	02/11/22 17:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 10:52	02/11/22 17:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 10:52	02/11/22 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*02/10/22 10:52*	*02/11/22 17:38*	*1*
o-Terphenyl	*76*		*70 - 130*	*02/10/22 10:52*	*02/11/22 17:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.9**		4.95		mg/Kg			02/15/22 21:39	1

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

Lab Sample ID: 880-11142-6
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	<0.00201	U	0.00201		mg/Kg		02/11/22 08:30	02/11/22 15:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/11/22 08:30	02/11/22 15:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/11/22 08:30	02/11/22 15:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/11/22 08:30	02/11/22 15:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/11/22 08:30	02/11/22 15:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/11/22 08:30	02/11/22 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*	*02/11/22 08:30*	*02/11/22 15:51*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*02/11/22 08:30*	*02/11/22 15:51*	*1*

Client Sample Results

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-11142-1
SDG: Lea, Co, NM

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

Lab Sample ID: 880-11142-6
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	<0.00402	U	0.00402		mg/Kg			02/14/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/15/22 20:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/10/22 10:52	02/11/22 17:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/10/22 10:52	02/11/22 17:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/22 10:52	02/11/22 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*02/10/22 10:52*	*02/11/22 17:59*	*1*
o-Terphenyl	*111*		*70 - 130*	*02/10/22 10:52*	*02/11/22 17:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4340**		25.0		mg/Kg			02/15/22 21:48	5

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

Lab Sample ID: 880-11142-7
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	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/11/22 16:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/11/22 16:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/11/22 16:11	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/11/22 08:30	02/11/22 16:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/11/22 16:11	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/11/22 08:30	02/11/22 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*02/11/22 08:30*	*02/11/22 16:11*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*02/11/22 08:30*	*02/11/22 16:11*	*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			02/14/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/15/22 20:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/22 10:52	02/11/22 18:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 10:52	02/11/22 18:20	1

Client Sample Results

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-11142-1
SDG: Lea, Co, NM

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

Lab Sample ID: 880-11142-7
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
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 10:52	02/11/22 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*02/10/22 10:52*	*02/11/22 18:20*	*1*
o-Terphenyl	*84*		*70 - 130*	*02/10/22 10:52*	*02/11/22 18:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1680**		25.0		mg/Kg			02/15/22 21:56	5

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

Lab Sample ID: 880-11142-8
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	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/11/22 16:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/11/22 16:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/11/22 16:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/11/22 08:30	02/11/22 16:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/11/22 16:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/11/22 08:30	02/11/22 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*02/11/22 08:30*	*02/11/22 16:32*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*02/11/22 08:30*	*02/11/22 16:32*	*1*

Method: Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/15/22 20:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/10/22 10:52	02/11/22 18:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/10/22 10:52	02/11/22 18:41	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/22 10:52	02/11/22 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*02/10/22 10:52*	*02/11/22 18:41*	*1*
o-Terphenyl	*85*		*70 - 130*	*02/10/22 10:52*	*02/11/22 18:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1660**	**F1**	24.8		mg/Kg			02/16/22 05:04	5

Client Sample Results

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-11142-1
SDG: Lea, Co, NM

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

Lab Sample ID: 880-11142-9
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	<0.00199	U	0.00199		mg/Kg		02/11/22 08:30	02/11/22 16:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/11/22 08:30	02/11/22 16:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/11/22 08:30	02/11/22 16:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/11/22 08:30	02/11/22 16:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/11/22 08:30	02/11/22 16:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/11/22 08:30	02/11/22 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*02/11/22 08:30*	*02/11/22 16:52*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/11/22 08:30*	*02/11/22 16:52*	*1*

Method: Total BTEX - Total BTEX Calculation

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/15/22 20:20	1

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

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*02/10/22 10:52*	*02/11/22 19:02*	*1*
o-Terphenyl	*100*		*70 - 130*	*02/10/22 10:52*	*02/11/22 19:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**742**		5.04		mg/Kg			02/16/22 05:39	1

Client Sample ID: BH-2 (4'-5')

Lab Sample ID: 880-11142-10
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	<0.00198	U	0.00198		mg/Kg		02/11/22 08:30	02/11/22 17:13	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/11/22 08:30	02/11/22 17:13	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/11/22 08:30	02/11/22 17:13	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		02/11/22 08:30	02/11/22 17:13	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/11/22 08:30	02/11/22 17:13	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		02/11/22 08:30	02/11/22 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*02/11/22 08:30*	*02/11/22 17:13*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*02/11/22 08:30*	*02/11/22 17:13*	*1*

Client Sample Results

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-11142-1
SDG: Lea, Co, NM

Client Sample ID: BH-2 (4'-5')

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

Lab Sample ID: 880-11142-10

Matrix: Solid

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			02/14/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/15/22 20:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/22 10:52	02/11/22 19:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 10:52	02/11/22 19:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 10:52	02/11/22 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*02/10/22 10:52*	*02/11/22 19:23*	*1*
o-Terphenyl	*75*		*70 - 130*	*02/10/22 10:52*	*02/11/22 19:23*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.9**		4.99		mg/Kg			02/16/22 05:51	1

Surrogate Summary

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-11142-1
SDG: Lea, Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-11142-1	BH-1 (0-1')	132 S1+	107
880-11142-1 MS	BH-1 (0-1')	117	94
880-11142-1 MSD	BH-1 (0-1')	125	93
880-11142-2	BH-1 (1'-2')	133 S1+	106
880-11142-3	BH-1 (2'-3')	137 S1+	96
880-11142-4	BH-1 (3'-4')	131 S1+	98
880-11142-5	BH-1 (4'-5')	140 S1+	114
880-11142-6	BH-2 (0-1')	145 S1+	106
880-11142-7	BH-2 (1'-2')	138 S1+	97
880-11142-8	BH-2 (2'-3')	131 S1+	96
880-11142-9	BH-2 (3'-4')	123	101
880-11142-10	BH-2 (4'-5')	119	86
LCS 880-19022/1-A	Lab Control Sample	127	108
LCSD 880-19022/2-A	Lab Control Sample Dup	119	93
MB 880-19022/5-A	Method Blank	120	93

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-11137-A-1-E MS	Matrix Spike	77	78
880-11137-A-1-F MSD	Matrix Spike Duplicate	93	78
880-11142-1	BH-1 (0-1')	86	82
880-11142-2	BH-1 (1'-2')	90	87
880-11142-3	BH-1 (2'-3')	87	86
880-11142-4	BH-1 (3'-4')	92	83
880-11142-5	BH-1 (4'-5')	84	76
880-11142-6	BH-2 (0-1')	113	111
880-11142-7	BH-2 (1'-2')	86	84
880-11142-8	BH-2 (2'-3')	87	85
880-11142-9	BH-2 (3'-4')	105	100
880-11142-10	BH-2 (4'-5')	81	75

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)	
		1CO2	OTPH2
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
LCS 880-19033/2-A	Lab Control Sample	97	101
LCSD 880-19033/3-A	Lab Control Sample Dup	96	100

Surrogate Summary

Client: NT Global
Job ID: 880-11142-1
Project/Site: Hamon State #001
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	1CO2 (70-130)	OTPH2 (70-130)								
MB 880-19033/1-A	Method Blank	78	79								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-11142-1
SDG: Lea, Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-19022/5-A
Matrix: Solid
Analysis Batch: 19117

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19022

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/11/22 13:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/11/22 13:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/11/22 13:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/11/22 08:30	02/11/22 13:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/22 08:30	02/11/22 13:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/11/22 08:30	02/11/22 13:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*02/11/22 08:30*	*02/11/22 13:40*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*02/11/22 08:30*	*02/11/22 13:40*	*1*

Lab Sample ID: LCS 880-19022/1-A
Matrix: Solid
Analysis Batch: 19117

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19022

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09450		mg/Kg		95	70 - 130
Toluene	0.100	0.1013		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.1042		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.2070		mg/Kg		103	70 - 130
o-Xylene	0.100	0.1006		mg/Kg		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: LCSD 880-19022/2-A
Matrix: Solid
Analysis Batch: 19117

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 19022

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08633		mg/Kg		86	70 - 130	9	35
Toluene	0.100	0.09157		mg/Kg		92	70 - 130	10	35
Ethylbenzene	0.100	0.09398		mg/Kg		94	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.1838		mg/Kg		92	70 - 130	12	35
o-Xylene	0.100	0.09615		mg/Kg		96	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: 880-11142-1 MS
Matrix: Solid
Analysis Batch: 19117

Client Sample ID: BH-1 (0-1')
Prep Type: Total/NA
Prep Batch: 19022

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F1	0.100	0.07529		mg/Kg		75	70 - 130
Toluene	<0.00200	U F1	0.100	0.06719	F1	mg/Kg		67	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-11142-1
SDG: Lea, Co, NM

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

Lab Sample ID: 880-11142-1 MS — **Client Sample ID: BH-1 (0-1')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 19117 — **Prep Batch: 19022**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U F1	0.100	0.06501	F1	mg/Kg		65	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1	0.200	0.1249	F1	mg/Kg		62	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.05856	F1	mg/Kg		59	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-11142-1 MSD — **Client Sample ID: BH-1 (0-1')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 19117 — **Prep Batch: 19022**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.0998	0.06144	F1	mg/Kg		62	70 - 130	20	35
Toluene	<0.00200	U F1	0.0998	0.06072	F1	mg/Kg		61	70 - 130	10	35
Ethylbenzene	<0.00200	U F1	0.0998	0.06368	F1	mg/Kg		64	70 - 130	2	35
m-Xylene & p-Xylene	<0.00401	U F1	0.200	0.1282	F1	mg/Kg		64	70 - 130	3	35
o-Xylene	<0.00200	U F1	0.0998	0.05999	F1	mg/Kg		60	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

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

Lab Sample ID: MB 880-19033/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 19108 — **Prep Batch: 19033**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/22 10:52	02/11/22 11:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 10:52	02/11/22 11:21	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 10:52	02/11/22 11:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*02/10/22 10:52*	*02/11/22 11:21*	*1*
o-Terphenyl	*79*		*70 - 130*	*02/10/22 10:52*	*02/11/22 11:21*	*1*

Lab Sample ID: LCS 880-19033/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 19108 — **Prep Batch: 19033**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	958.5		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	926.2		mg/Kg		93	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-11142-1
SDG: Lea, Co, NM

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

Lab Sample ID: LCS 880-19033/2-A
Matrix: Solid
Analysis Batch: 19108

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19033

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: LCSD 880-19033/3-A
Matrix: Solid
Analysis Batch: 19108

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 19033

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	994.8		mg/Kg		99	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	932.0		mg/Kg		93	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: 880-11137-A-1-E MS
Matrix: Solid
Analysis Batch: 19108

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 19033

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	1000	869.0		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	934.4		mg/Kg		93	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	77		70 - 130
o-Terphenyl	78		70 - 130

Lab Sample ID: 880-11137-A-1-F MSD
Matrix: Solid
Analysis Batch: 19108

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 19033

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	998	1101	F2	mg/Kg		108	70 - 130	24	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1046		mg/Kg		105	70 - 130	11	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	78		70 - 130

QC Sample Results

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-11142-1
SDG: Lea, Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-19064/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 19435

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/15/22 17:31	1

Lab Sample ID: LCS 880-19064/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 19435

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	255.9		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-19064/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 19435

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	255.3		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-11100-A-10-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 19435

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	3980		1240	5341		mg/Kg		110	90 - 110		

Lab Sample ID: 880-11100-A-10-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 19435

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	3980		1240	5334		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 880-11137-A-2-F MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 19435

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	372		249	620.6		mg/Kg		100	90 - 110		

Lab Sample ID: 880-11137-A-2-G MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 19435

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	372		249	635.1		mg/Kg		106	90 - 110	2	20

Lab Sample ID: MB 880-19065/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 19436

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/16/22 04:28	1

QC Sample Results

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-11142-1
SDG: Lea, Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-19065/2-A
Matrix: Solid
Analysis Batch: 19436

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	259.4		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-19065/3-A
Matrix: Solid
Analysis Batch: 19436

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	256.9		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 880-11142-8 MS
Matrix: Solid
Analysis Batch: 19436

Client Sample ID: BH-2 (2'-3')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1660	F1	1240	3266	F1	mg/Kg		130	90 - 110

Lab Sample ID: 880-11142-8 MSD
Matrix: Solid
Analysis Batch: 19436

Client Sample ID: BH-2 (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	1660	F1	1240	3156	F1	mg/Kg		121	90 - 110	3	20

QC Association Summary

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-11142-1
SDG: Lea, Co, NM

GC VOA

Prep Batch: 19022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11142-1	BH-1 (0-1')	Total/NA	Solid	5035	
880-11142-2	BH-1 (1'-2')	Total/NA	Solid	5035	
880-11142-3	BH-1 (2'-3')	Total/NA	Solid	5035	
880-11142-4	BH-1 (3'-4')	Total/NA	Solid	5035	
880-11142-5	BH-1 (4'-5')	Total/NA	Solid	5035	
880-11142-6	BH-2 (0-1')	Total/NA	Solid	5035	
880-11142-7	BH-2 (1'-2')	Total/NA	Solid	5035	
880-11142-8	BH-2 (2'-3')	Total/NA	Solid	5035	
880-11142-9	BH-2 (3'-4')	Total/NA	Solid	5035	
880-11142-10	BH-2 (4'-5')	Total/NA	Solid	5035	
MB 880-19022/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-19022/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-19022/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-11142-1 MS	BH-1 (0-1')	Total/NA	Solid	5035	
880-11142-1 MSD	BH-1 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 19117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11142-1	BH-1 (0-1')	Total/NA	Solid	8021B	19022
880-11142-2	BH-1 (1'-2')	Total/NA	Solid	8021B	19022
880-11142-3	BH-1 (2'-3')	Total/NA	Solid	8021B	19022
880-11142-4	BH-1 (3'-4')	Total/NA	Solid	8021B	19022
880-11142-5	BH-1 (4'-5')	Total/NA	Solid	8021B	19022
880-11142-6	BH-2 (0-1')	Total/NA	Solid	8021B	19022
880-11142-7	BH-2 (1'-2')	Total/NA	Solid	8021B	19022
880-11142-8	BH-2 (2'-3')	Total/NA	Solid	8021B	19022
880-11142-9	BH-2 (3'-4')	Total/NA	Solid	8021B	19022
880-11142-10	BH-2 (4'-5')	Total/NA	Solid	8021B	19022
MB 880-19022/5-A	Method Blank	Total/NA	Solid	8021B	19022
LCS 880-19022/1-A	Lab Control Sample	Total/NA	Solid	8021B	19022
LCSD 880-19022/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	19022
880-11142-1 MS	BH-1 (0-1')	Total/NA	Solid	8021B	19022
880-11142-1 MSD	BH-1 (0-1')	Total/NA	Solid	8021B	19022

Analysis Batch: 19331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11142-1	BH-1 (0-1')	Total/NA	Solid	Total BTEX	
880-11142-2	BH-1 (1'-2')	Total/NA	Solid	Total BTEX	
880-11142-3	BH-1 (2'-3')	Total/NA	Solid	Total BTEX	
880-11142-4	BH-1 (3'-4')	Total/NA	Solid	Total BTEX	
880-11142-5	BH-1 (4'-5')	Total/NA	Solid	Total BTEX	
880-11142-6	BH-2 (0-1')	Total/NA	Solid	Total BTEX	
880-11142-7	BH-2 (1'-2')	Total/NA	Solid	Total BTEX	
880-11142-8	BH-2 (2'-3')	Total/NA	Solid	Total BTEX	
880-11142-9	BH-2 (3'-4')	Total/NA	Solid	Total BTEX	
880-11142-10	BH-2 (4'-5')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-11142-1
SDG: Lea, Co, NM

GC Semi VOA

Prep Batch: 19033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11142-1	BH-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-11142-2	BH-1 (1'-2')	Total/NA	Solid	8015NM Prep	
880-11142-3	BH-1 (2'-3')	Total/NA	Solid	8015NM Prep	
880-11142-4	BH-1 (3'-4')	Total/NA	Solid	8015NM Prep	
880-11142-5	BH-1 (4'-5')	Total/NA	Solid	8015NM Prep	
880-11142-6	BH-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-11142-7	BH-2 (1'-2')	Total/NA	Solid	8015NM Prep	
880-11142-8	BH-2 (2'-3')	Total/NA	Solid	8015NM Prep	
880-11142-9	BH-2 (3'-4')	Total/NA	Solid	8015NM Prep	
880-11142-10	BH-2 (4'-5')	Total/NA	Solid	8015NM Prep	
MB 880-19033/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-19033/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-19033/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11137-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-11137-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 19108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11142-1	BH-1 (0-1')	Total/NA	Solid	8015B NM	19033
880-11142-2	BH-1 (1'-2')	Total/NA	Solid	8015B NM	19033
880-11142-3	BH-1 (2'-3')	Total/NA	Solid	8015B NM	19033
880-11142-4	BH-1 (3'-4')	Total/NA	Solid	8015B NM	19033
880-11142-5	BH-1 (4'-5')	Total/NA	Solid	8015B NM	19033
880-11142-6	BH-2 (0-1')	Total/NA	Solid	8015B NM	19033
880-11142-7	BH-2 (1'-2')	Total/NA	Solid	8015B NM	19033
880-11142-8	BH-2 (2'-3')	Total/NA	Solid	8015B NM	19033
880-11142-9	BH-2 (3'-4')	Total/NA	Solid	8015B NM	19033
880-11142-10	BH-2 (4'-5')	Total/NA	Solid	8015B NM	19033
MB 880-19033/1-A	Method Blank	Total/NA	Solid	8015B NM	19033
LCS 880-19033/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	19033
LCSD 880-19033/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	19033
880-11137-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	19033
880-11137-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	19033

Analysis Batch: 19517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11142-1	BH-1 (0-1')	Total/NA	Solid	8015 NM	
880-11142-2	BH-1 (1'-2')	Total/NA	Solid	8015 NM	
880-11142-3	BH-1 (2'-3')	Total/NA	Solid	8015 NM	
880-11142-4	BH-1 (3'-4')	Total/NA	Solid	8015 NM	
880-11142-5	BH-1 (4'-5')	Total/NA	Solid	8015 NM	
880-11142-6	BH-2 (0-1')	Total/NA	Solid	8015 NM	
880-11142-7	BH-2 (1'-2')	Total/NA	Solid	8015 NM	
880-11142-8	BH-2 (2'-3')	Total/NA	Solid	8015 NM	
880-11142-9	BH-2 (3'-4')	Total/NA	Solid	8015 NM	
880-11142-10	BH-2 (4'-5')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-11142-1
SDG: Lea, Co, NM

HPLC/IC

Leach Batch: 19064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11142-1	BH-1 (0-1')	Soluble	Solid	DI Leach	
880-11142-2	BH-1 (1'-2')	Soluble	Solid	DI Leach	
880-11142-3	BH-1 (2'-3')	Soluble	Solid	DI Leach	
880-11142-4	BH-1 (3'-4')	Soluble	Solid	DI Leach	
880-11142-5	BH-1 (4'-5')	Soluble	Solid	DI Leach	
880-11142-6	BH-2 (0-1')	Soluble	Solid	DI Leach	
880-11142-7	BH-2 (1'-2')	Soluble	Solid	DI Leach	
MB 880-19064/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-19064/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-19064/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11100-A-10-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-11100-A-10-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-11137-A-2-F MS	Matrix Spike	Soluble	Solid	DI Leach	
880-11137-A-2-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 19065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11142-8	BH-2 (2'-3')	Soluble	Solid	DI Leach	
880-11142-9	BH-2 (3'-4')	Soluble	Solid	DI Leach	
880-11142-10	BH-2 (4'-5')	Soluble	Solid	DI Leach	
MB 880-19065/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-19065/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-19065/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11142-8 MS	BH-2 (2'-3')	Soluble	Solid	DI Leach	
880-11142-8 MSD	BH-2 (2'-3')	Soluble	Solid	DI Leach	

Analysis Batch: 19435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11142-1	BH-1 (0-1')	Soluble	Solid	300.0	19064
880-11142-2	BH-1 (1'-2')	Soluble	Solid	300.0	19064
880-11142-3	BH-1 (2'-3')	Soluble	Solid	300.0	19064
880-11142-4	BH-1 (3'-4')	Soluble	Solid	300.0	19064
880-11142-5	BH-1 (4'-5')	Soluble	Solid	300.0	19064
880-11142-6	BH-2 (0-1')	Soluble	Solid	300.0	19064
880-11142-7	BH-2 (1'-2')	Soluble	Solid	300.0	19064
MB 880-19064/1-A	Method Blank	Soluble	Solid	300.0	19064
LCS 880-19064/2-A	Lab Control Sample	Soluble	Solid	300.0	19064
LCSD 880-19064/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	19064
880-11100-A-10-D MS	Matrix Spike	Soluble	Solid	300.0	19064
880-11100-A-10-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	19064
880-11137-A-2-F MS	Matrix Spike	Soluble	Solid	300.0	19064
880-11137-A-2-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	19064

Analysis Batch: 19436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11142-8	BH-2 (2'-3')	Soluble	Solid	300.0	19065
880-11142-9	BH-2 (3'-4')	Soluble	Solid	300.0	19065
880-11142-10	BH-2 (4'-5')	Soluble	Solid	300.0	19065
MB 880-19065/1-A	Method Blank	Soluble	Solid	300.0	19065
LCS 880-19065/2-A	Lab Control Sample	Soluble	Solid	300.0	19065
LCSD 880-19065/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	19065

QC Association Summary

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-11142-1
SDG: Lea, Co, NM

HPLC/IC (Continued)

Analysis Batch: 19436 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11142-8 MS	BH-2 (2'-3')	Soluble	Solid	300.0	19065
880-11142-8 MSD	BH-2 (2'-3')	Soluble	Solid	300.0	19065

Lab Chronicle

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-11142-1
SDG: Lea, Co, NM

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

Lab Sample ID: 880-11142-1
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	19022	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/11/22 14:09	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19517	02/15/22 20:20	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19033	02/10/22 10:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/11/22 15:54	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	19064	02/10/22 15:36	CH	XEN MID
Soluble	Analysis	300.0		5			19435	02/15/22 21:03	CH	XEN MID

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

Lab Sample ID: 880-11142-2
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	19022	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/11/22 14:29	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19517	02/15/22 20:20	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19033	02/10/22 10:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/11/22 16:15	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	19064	02/10/22 15:36	CH	XEN MID
Soluble	Analysis	300.0		1			19435	02/15/22 21:12	CH	XEN MID

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

Lab Sample ID: 880-11142-3
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	19022	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/11/22 14:50	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19517	02/15/22 20:20	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19033	02/10/22 10:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/11/22 16:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	19064	02/10/22 15:36	CH	XEN MID
Soluble	Analysis	300.0		5			19435	02/15/22 21:21	CH	XEN MID

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

Lab Sample ID: 880-11142-4
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	19022	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/11/22 15:10	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-11142-1
SDG: Lea, Co, NM

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

Lab Sample ID: 880-11142-4
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			19517	02/15/22 20:20	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19033	02/10/22 10:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/11/22 17:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19064	02/10/22 15:36	CH	XEN MID
Soluble	Analysis	300.0		1			19435	02/15/22 21:30	CH	XEN MID

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

Lab Sample ID: 880-11142-5
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	19022	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/11/22 15:31	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19517	02/15/22 20:20	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19033	02/10/22 10:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/11/22 17:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	19064	02/10/22 15:36	CH	XEN MID
Soluble	Analysis	300.0		1			19435	02/15/22 21:39	CH	XEN MID

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

Lab Sample ID: 880-11142-6
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	19022	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/11/22 15:51	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19517	02/15/22 20:20	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19033	02/10/22 10:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/11/22 17:59	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	19064	02/10/22 15:36	CH	XEN MID
Soluble	Analysis	300.0		5			19435	02/15/22 21:48	CH	XEN MID

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

Lab Sample ID: 880-11142-7
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	19022	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/11/22 16:11	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19517	02/15/22 20:20	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19033	02/10/22 10:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/11/22 18:20	AJ	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-11142-1
SDG: Lea, Co, NM

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

Lab Sample ID: 880-11142-7
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	19064	02/10/22 15:36	CH	XEN MID
Soluble	Analysis	300.0		5			19435	02/15/22 21:56	CH	XEN MID

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

Lab Sample ID: 880-11142-8
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	19022	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/11/22 16:32	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19517	02/15/22 20:20	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19033	02/10/22 10:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/11/22 18:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	19065	02/10/22 15:38	CH	XEN MID
Soluble	Analysis	300.0		5			19436	02/16/22 05:04	CH	XEN MID

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

Lab Sample ID: 880-11142-9
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	19022	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/11/22 16:52	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19517	02/15/22 20:20	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19033	02/10/22 10:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/11/22 19:02	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	19065	02/10/22 15:38	CH	XEN MID
Soluble	Analysis	300.0		1			19436	02/16/22 05:39	CH	XEN MID

Client Sample ID: BH-2 (4'-5')

Lab Sample ID: 880-11142-10
Matrix: Solid
Date Collected: 02/08/22 00:00
Date Received: 02/09/22 16:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	19022	02/11/22 08:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19117	02/11/22 17:13	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19331	02/14/22 09:32	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19517	02/15/22 20:20	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19033	02/10/22 10:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19108	02/11/22 19:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	19065	02/10/22 15:38	CH	XEN MID
Soluble	Analysis	300.0		1			19436	02/16/22 05:51	CH	XEN MID

Lab Chronicle

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-11142-1
SDG: Lea, Co, NM

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: Hamon State #001

Job ID: 880-11142-1
SDG: Lea, Co, NM

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: NT Global
Project/Site: Hamon State #001

Job ID: 880-11142-1
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: Hamon State #001

Job ID: 880-11142-1
SDG: Lea, Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-11142-1	BH-1 (0-1')	Solid	02/08/22 00:00	02/09/22 16:23
880-11142-2	BH-1 (1'-2')	Solid	02/08/22 00:00	02/09/22 16:23
880-11142-3	BH-1 (2'-3')	Solid	02/08/22 00:00	02/09/22 16:23
880-11142-4	BH-1 (3'-4')	Solid	02/08/22 00:00	02/09/22 16:23
880-11142-5	BH-1 (4'-5')	Solid	02/08/22 00:00	02/09/22 16:23
880-11142-6	BH-2 (0-1')	Solid	02/08/22 00:00	02/09/22 16:23
880-11142-7	BH-2 (1'-2')	Solid	02/08/22 00:00	02/09/22 16:23
880-11142-8	BH-2 (2'-3')	Solid	02/08/22 00:00	02/09/22 16:23
880-11142-9	BH-2 (3'-4')	Solid	02/08/22 00:00	02/09/22 16:23
880-11142-10	BH-2 (4'-5')	Solid	02/08/22 00:00	02/09/22 16:23

Chain of Custody

NTG ENVIRONMENTAL

880-11142 Chain of Custody

2/16/2022

Page ___1___ of __1____

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 ☐ uperfund ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Hamon State #001	Turn Around	
Project Number:	214798	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date:	Standard
Sampler's Name:	NH/DW	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	6.2
Total Containers:		Corrected Temperature:	6.3

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
BH-1 (0-1')	2/8/2022		X		G	1		X	X	X		402
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-2 (0-1')	2/8/2022		X		G	1		X	X	X		
BH-2 (1'-2')	2/8/2022		X		G	1		X	X	X		
BH-2 (2'-3')	2/8/2022		X		G	1		X	X	X		
BH-2 (3'-4')	2/8/2022		X		G	1		X	X	X		
BH-2 (4'-5')	2/8/2022		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 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		2/9/22 16:23	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-11142-1
SDG Number: Lea, Co, NM

Login Number: 11142
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

COMMENTS

Action 119270

COMMENTS

Operator: Catena Resources Operating, LLC 1001 Fannin Street Houston, TX 77002	OGRID: 328449
	Action Number: 119270
	Action Type: [C-141] Release Corrective Action (C-141)

COMMENTS

Created By	Comment	Comment Date
jharimon	Initial, Site assessment and Remediation,	6/21/2022

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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811 S. First St., Artesia, NM 88210
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District III
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1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator:	OGRID:
Catena Resources Operating, LLC 1001 Fannin Street Houston, TX 77002	328449
	Action Number: 119270
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved with Conditions. Adequate delineation has not been achieved with borings BH-1 and BH-2. Please ensure release area is sufficiently delineated and remediated per 19.15.29 NMAC criteria during implementation of Remediation Work Plan.	7/5/2022