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

			Kesp	JOHSH	ole Party				
Responsible	Party Cate	ena Resources	Operating, LL	С	OGRID 32	28449			
Contact Name Cato Clark					Contact Te	lephone 346-200-7894			
Contact email clark@catenares.com Contact mailing address 1001 Fannin St., Suite 2200, H						(assigned by OCD) nAPP2135150329			
Contact mail	ing address	77002							
			Location						
Latitude 32.7	175827]	Longitude _	103.4464035			
			(NAD 83 in dec	cimal deg	grees to 5 decim	al places)			
Site Name H	amon Sta	ate #1			Site Type \	Vellhead			
Date Release	Discovered	4/19/2019			API# (if appl	(icable) 30-025-03140			
** ** *		E 1:	-						
Unit Letter	Section	Township	Range		Coun	County			
K	27	18S	35E	Lea					
Surface Owner	r: 🔽 State	☐ Federal ☐ Tr	ibal 🗌 Private (/	Name: _)			
			Nature and	l Vol	ume of F	Release			
	Materia			calculation	ons or specific	ustification for the volumes provided below)			
☑ Crude Oil		Volume Release	d (bbls) 6.5			Volume Recovered (bbls) 0			
	Water	Volume Release	d (bbls) 27.5			Volume Recovered (bbls) 0			
			ion of total dissolv water >10,000 mg		ids (TDS)	✓ Yes □ No			
Condensate Volume Released (bbls)					Volume Recovered (bbls)				
☐ Natural G	as	Volume Release	d (Mcf)			Volume Recovered (Mcf)			
Other (de	scribe)	Volume/Weight	Released (provide	e units)		Volume/Weight Recovered (provide units)			
Cause of Rela	2256								

Failure of equipment at the wellhead.

State of New Mexico Oil Conservation Division

	7. 2
Incident ID	nAPP2135150329
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	T	
Was this a major	If YES, for what reason(s) does the respo	nsible party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?	Yes, the release was greater that	n 25 barrels.
✓ Yes □ No		
	otice given to the OCD? By whom? To wh	nom? When and by what means (phone, email, etc)?
N/A		
	Initial R	esponse
The responsible p	party must undertake the following actions immediatel	y unless they could create a safety hazard that would result in injury
✓ The source of the rele	ease has been stopped.	
	is been secured to protect human health and	the environment.
	ave been contained via the use of berms or o	likes, absorbent pads, or other containment devices.
	ecoverable materials have been removed and	d managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain v	why:
D 1015000D (4) 3D (V. G. 1	
has begun, please attach a	a narrative of actions to date. If remedial	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred lease attach all information needed for closure evaluation.
I hereby certify that the infor	rmation given above is true and complete to the	pest of my knowledge and understand that pursuant to OCD rules and
regulations all operators are	required to report and/or file certain release noti-	fications and perform corrective actions for releases which may endanger
		CD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In
addition, OCD acceptance of	f 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: ///0/22
email: clark@catenares.co	om	Telephone: 346-200-7894
OCD Only		
Jocelyn	n Harimon	06/21/2022
Received by:		Date:

State of New Mexico Oil Conservation Division

Incident ID	nAPP2135150329
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Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	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 verticontamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
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 well Field data	s.
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	
I aboratory data including chain of custody	

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

State of New Mexico Oil Conservation Division

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public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a thr	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 Date:					
Printed Name: Cato Clark						
Signature:	Date: _ 6-21-22					
email: clark@catenares.com	Telephone: 346-200-7594					
OCD Only						
Received by:	Date:					

State of New Mexico Oil Conservation Division

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Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be	included in the plan.
Detailed description of proposed remediation technique	
Scaled sitemap with GPS coordinates showing delineation points	
Estimated volume of material to be remediated	`
Closure criteria is to Table 1 specifications subject to 19.15.29.1	2(C)(4) NMAC
Proposed schedule for remediation (note if remediation plan time	
	and is more shall so says o co approva. Is requires)
<u>Deferral Requests Only</u> : Each of the following items must be con	firmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around predeconstruction.	oduction equipment where remediation could cause a major facility
☐ 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 rules and regulations all operators are required to report and/or file complete which may endanger public health or the environment. The acceptar liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD a responsibility for compliance with any other federal, state, or local lateral states are required to report and/or file compliance with any other federal, state, or local lateral states are required to report and/or file compliance with any other federal, state, or local lateral states are required to report and/or file compliance with any other federal, state, or local lateral states are required to report and/or file complete rules and required to report and/or file complete rules are required to report and rules are required to report and/or file complete rules are required to report and/or file complete rules are required to rep	ertain release notifications and perform corrective actions for releases ace of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, cceptance of a C-141 report does not relieve the operator of
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	Approval
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 32.7175827°, 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

Creating a Better Environment For Oil & Gas Operations

Mr. Mike Bratcher March 14, 2022 Page 2 of 3

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.



Mr. Mike Bratcher March 14, 2022 Page 3 of 3

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 (yd³) of soil will be excavated and hauled to disposal. Upon completion, a final report detailing the remedial actions will be submitted to the NMOCD. If you have any questions regarding this report or need any additional information, please contact us at 432.685.3868.

Sincerely,

NTG Environmental

Gordon Banks, REM, CSEM, CESCO

Project Manager

Attachments: Table

Figures

Photographic Log

Site Characterization Information

C-141

Laboratory Report and Chain-of-Custody Documents

A NTG

Table

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

		Sample	Tota	l Petroleum	Hydrcarbo	ns (mg/kg)	Benzene	Toluene	Ethlybenzene	Xylenes	Total BTEX	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	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
		0-1'	<20.0	1,930	1,040	2,970	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	57,900
Trench 1	12/8/2021	1'	<20.0	4,280	1,890	6,170	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	18,200
Hench	12/0/2021	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	<0.00401 <0.0250 <0.0250	15,700
		(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
BH-1	2/8/2022	(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
	12/8/2021	0-1'	<20.0	570	572	1,142	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	5,700
Trench 2		1'	<20.0	8,440	3,430	11,870	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	1,090
Hench 2		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	Total (mg/kg) (pg/kg) (pg/kg)	<0.0250	<0.0250	224		
		(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
BH-2	2/8/2022	(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
		0-1'	<20.0	810	893	1,703	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	5,770
Trench 3	12/8/2021	1'	<20.0	339	217	556	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	1,110
Helich J	12/0/2021	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

0		Sample	Tota	l Petroleum	Hydrcarbo	ns (mg/kg)	Benzene	Toluene	Ethlybenzene	Xylenes	Total BTEX	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
		0-1'	<20.0	56.4	<50.0	56.4	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	3,530
Trench 4	12/8/2021	1'	<20.0	41.6	<50.0	41.6	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	3,100
Trench 4	12/0/2021	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
		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
S-6 Trench 6	12/8/2021	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
S-5 10/21 Trench 5 12/8 S-6 10/21 Trench 6 12/8 H-1 10/21 H-1 (b) 12/8 H-2 10/21 H-3 10/21 H-3 (b) 12/8 H-4 10/21 H-4 (b) 12/8 H-5 10/21		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
Tronch 6		1'	<20.0	62.1	70.9	133	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	1,560
Treffcff 6		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
					Horizo	ntal Delineati	on 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
Regula	atory 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

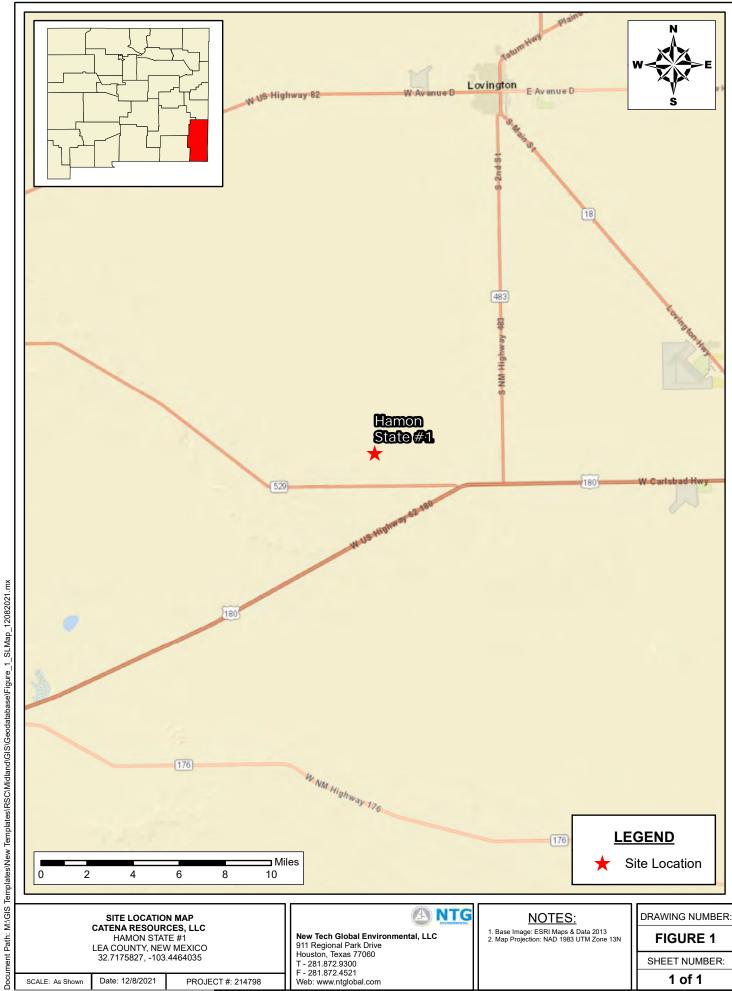
GRO - gasoline range organics

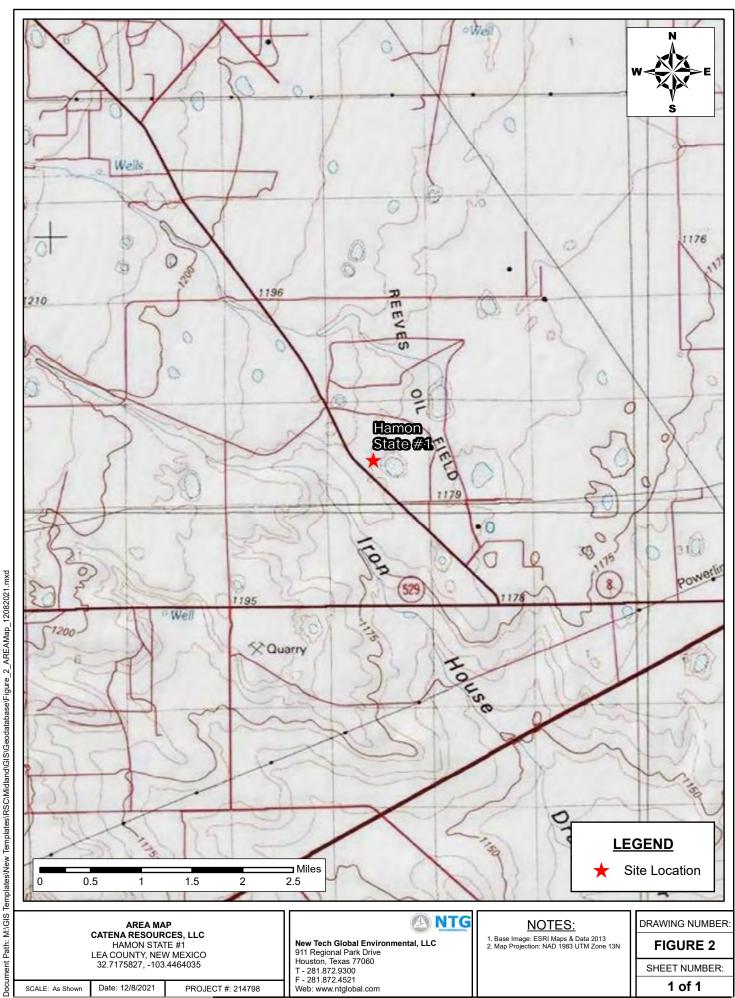
DRO - diesel range organics

ORO - oil range organics

A - Table 1 - 19.15.29 NMAC

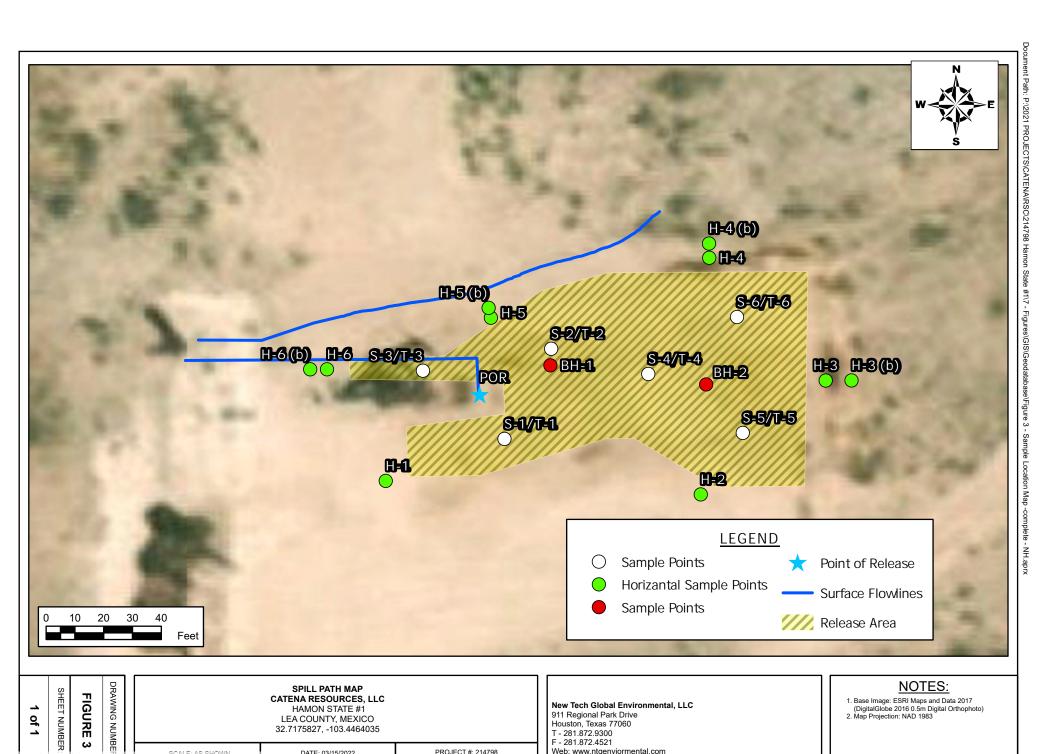
Figures





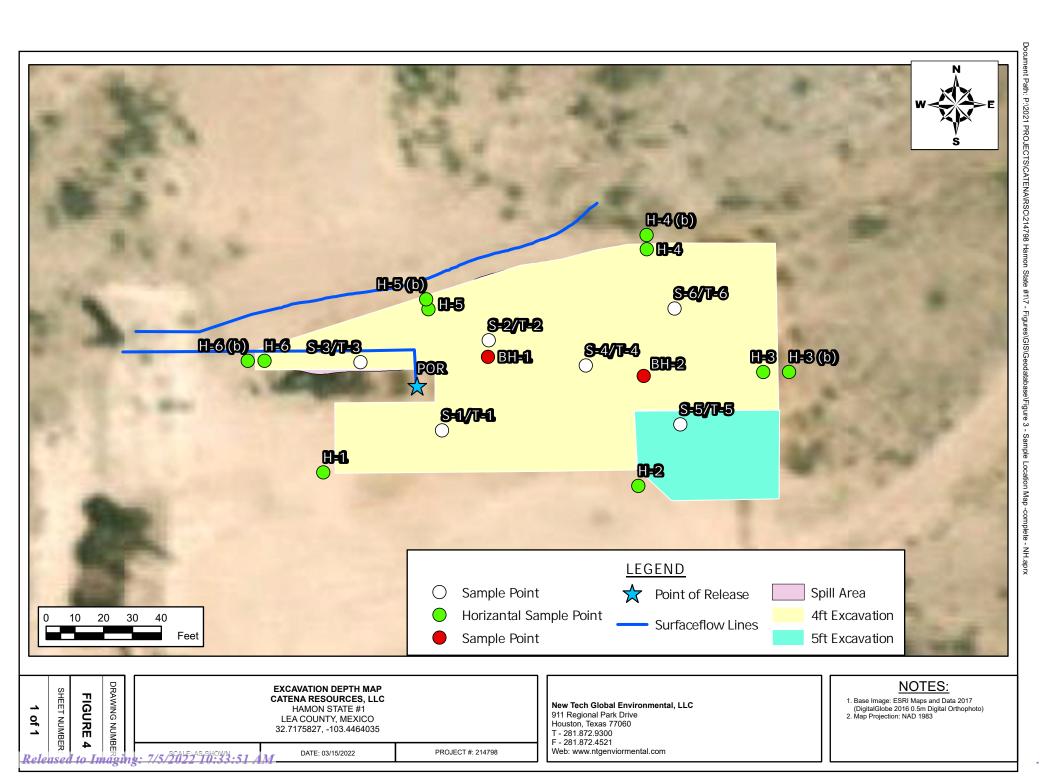
7/5/3CALE: AS SHOWN -51

DATE: 03/15/2022



PROJECT #: 214798

Web: www.ntgenviormental.com



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

Hamon State #001 Facility:

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

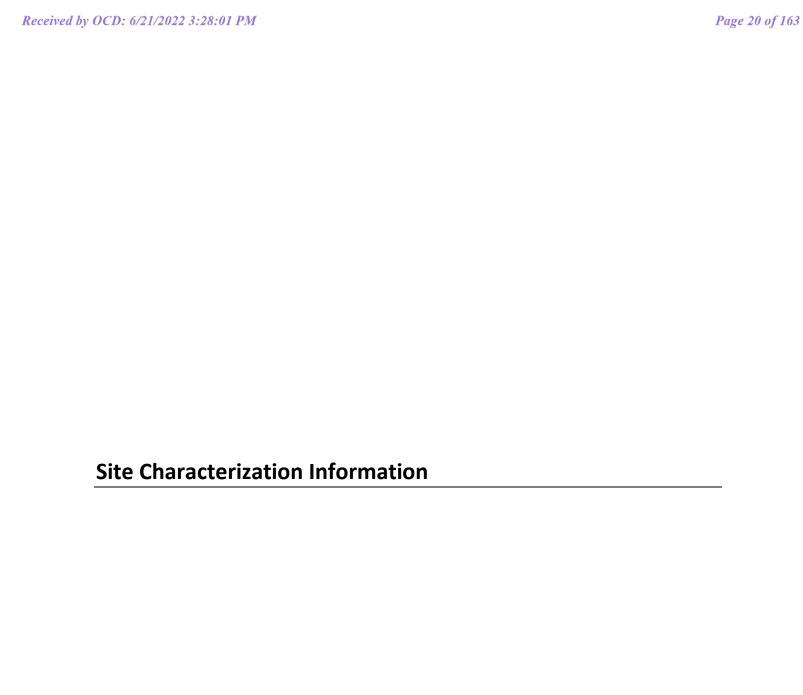
County: Lea County, New Mexico

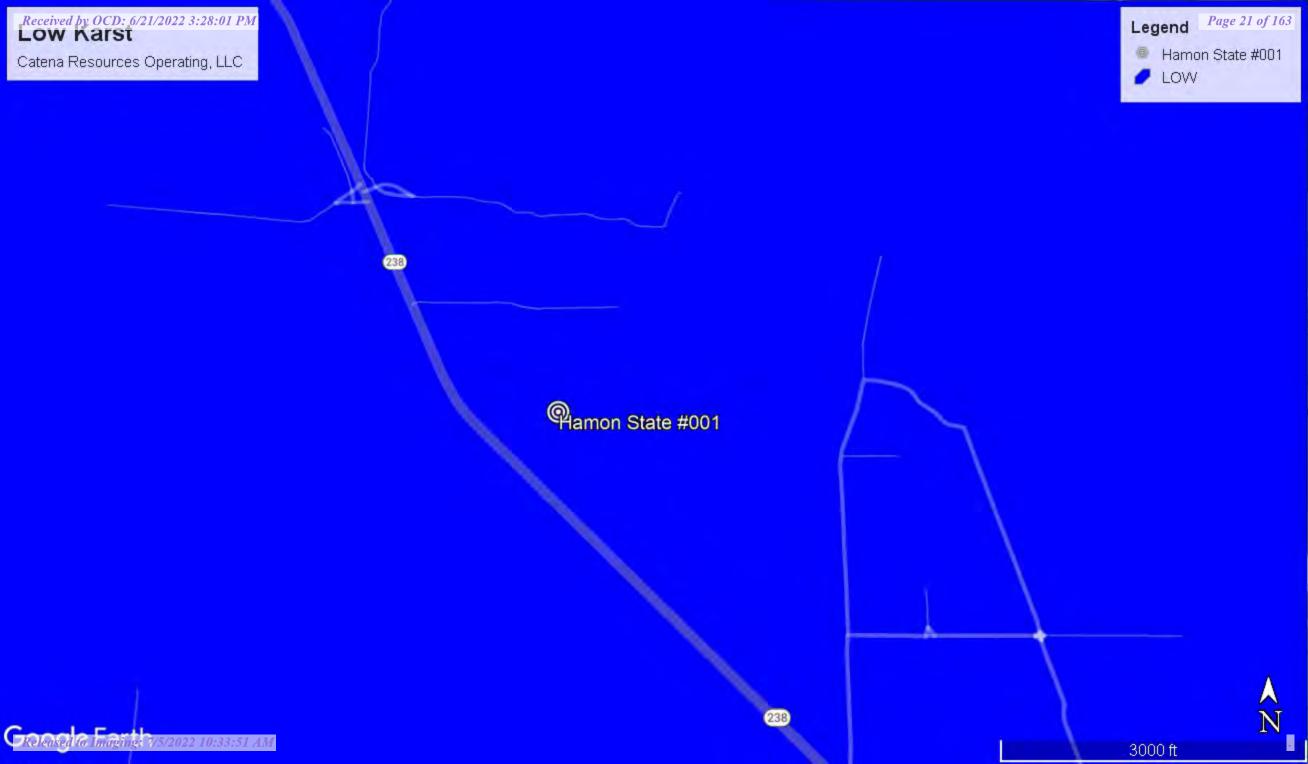
Description:

View looking east of sample points H-6, H-5, H-4, S-

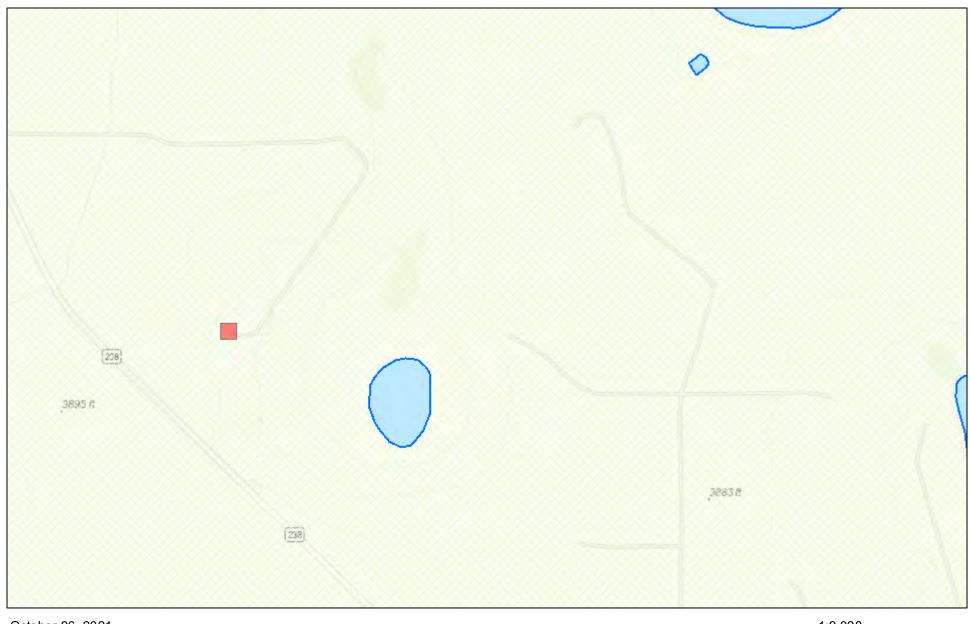
3/T-3, S-2/T-2, and S-6/T-6.



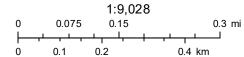




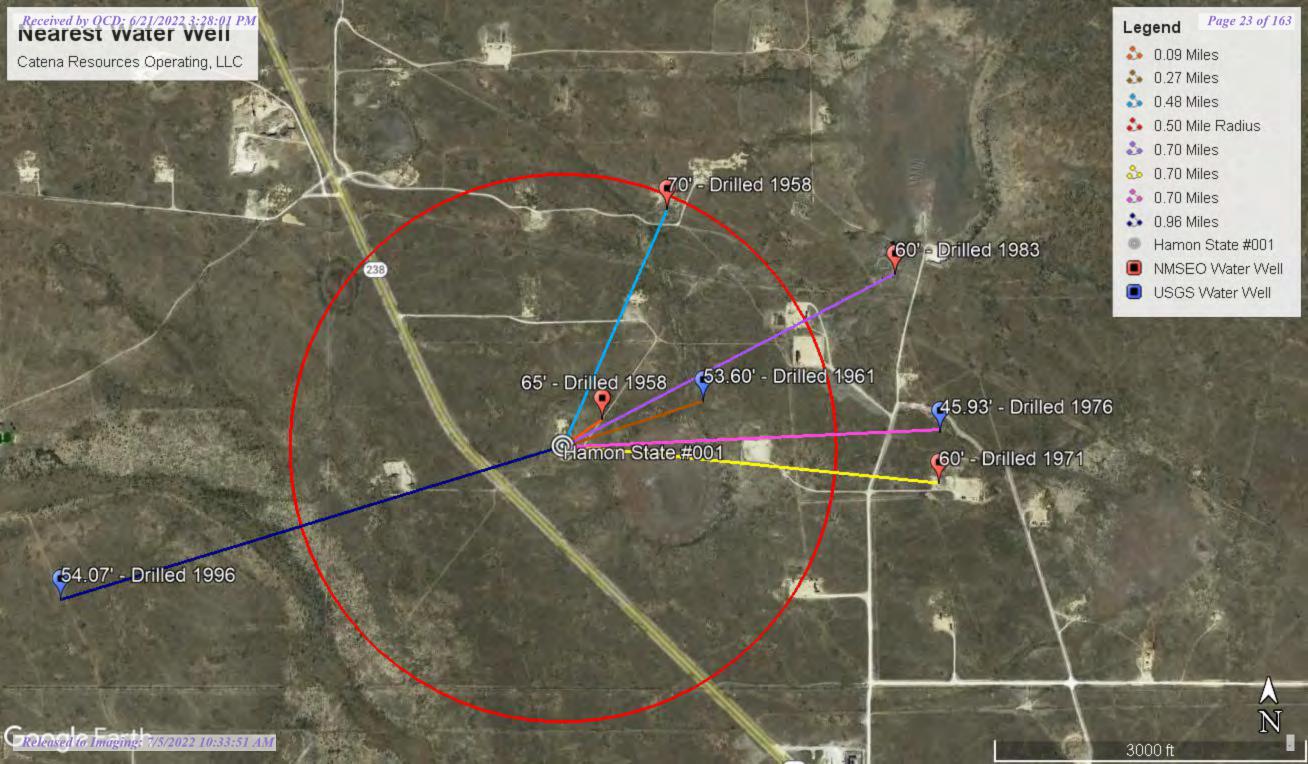
New Mexico NFHL Data



October 26, 2021



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





Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

POD Number Q64 Q16 Q4 Sec Tws Rng L 06869 1 3 26 18S 35E

X 646717 3620966*

Driller License:

Well Tag

Driller Company: GRIFFIN WATER WELL SERVICE

125 feet

Driller Name:

Drill Start Date: 11/09/1971 11/16/1971 Log File Date:

Drill Finish Date: PCW Rcv Date:

11/11/1971 Plug Date: Source:

12/21/1972 Shallow

Pump Type: Casing Size: 7.00 Pipe Discharge Size: Depth Well:

Estimated Yield: Depth Water:

60 feet

Water Bearing Stratifications:

Top Bottom Description

125 Sandstone/Gravel/Conglomerate

Casing Perforations:

Top Bottom 105 125

10/26/21 11:45 AM

POINT OF DIVERSION SUMMARY

^{*}UTM location was derived from PLSS - see Help



Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

 Well Tag
 POD Number
 Q64 Q16 Q4
 Sec
 Tws
 Rng

 NA
 L 09373
 3 1 1 26 188 35E

X Y 646580 3621579

Driller License: 208 Driller Company: VAN NOY, W.L.

Driller Name: VAN NOY, W.L.

Drill Start Date: 11/14/1983 **Log File Date:** 12/02/1983 **Drill Finish Date:** 11/19/1983 **Plug Date:**

Source: Shallow

Pump Type: Pipe Discharge Size:

Estimated Yield:

60 feet

Casing Size: 6.63 Depth Well: 120 feet Depth Water:

PCW Rcv Date:

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

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

10/26/21 11:42 AM POINT OF DIVERSION SUMMARY



Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

POD Number Well Tag

Q64 Q16 Q4 Sec Tws Rng 27 18S 35E X

L 03783

645710 3621138*

Driller License: Driller Name:

O.R. MUSSELWHITE WATER WELL SE

Pump Type:

MUSSELWHITE, O.R.

Drill Start Date: 02/10/1958 05/01/1958 Log File Date:

Drill Finish Date: PCW Rcv Date:

02/11/1958 Plug Date: Source:

08/26/1958 Shallow

Pipe Discharge Size:

Estimated Yield: Depth Water:

Casing Size: 7.00 Depth Well:

115 feet

65 feet

Water Bearing Stratifications:

105 Sandstone/Gravel/Conglomerate

Casing Perforations:

Top Bottom 70 115

Top Bottom Description

10/26/21 11:40 AM

POINT OF DIVERSION SUMMARY

^{*}UTM location was derived from PLSS - see Help



Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

POD Number Well Tag L 03963

Q64 Q16 Q4 Sec Tws Rng

X

1 2 27 18S 35E

645896 3621762*

Driller License:

Driller Name:

Driller Company:

ABBOTT BROTHERS COMPANY

Drill Start Date: 08/09/1958 08/13/1958 Log File Date:

Drill Finish Date: PCW Rcv Date:

08/09/1958 Plug Date: Source:

Shallow

70 feet

Pump Type:

Pipe Discharge Size: **Estimated Yield:** 127 feet

Casing Size:

Depth Well:

Depth Water:

7.00 Water Bearing Stratifications:

Top Bottom Description

127 Sandstone/Gravel/Conglomerate

Casing Perforations:

Top Bottom

70 127

*UTM location was derived from PLSS - see Help

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

10/26/21 10:13 AM

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Groundwater levels for New Mexico

Click to hide state-specific text

Important: <u>Next Generation Monitoring Location Page</u>

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 (1210GLL) local aquifer.

Output formats

Table of data	
Tab-separated data	
<u>Graph of data</u>	
Reselect period	

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

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	Α	Approved for publication Processing and review completed.

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U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

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





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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 (1210GLL) local aquifer.

Output formats

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

Date \$	Time \$? Water-level \$\date-time accuracy	? Parameter [‡]	Water level, feet \$\phi\$ 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			А
1961-02-16		D	62611		3817.40	NAVD88	1	Z			А
1961-02-16		D	72019	53.60			1	Z			А

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	Α	Approved for publication Processing and review completed.

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U.S. Department of the Interior | U.S. Geological Survey.
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

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



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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 (1210GLL) local aquifer.

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 \$\frac{\phi}{agency}	? Source of measurement	? Water- level \$ approval status
1961-03-30		D	62610		3856.39	NGVD29	1	Z			А
1961-03-30		D	62611		3857.98	NAVD88	1	Z			А
1961-03-30		D	72019	52.02			1	Z			А
1966-03-11		D	62610		3858.28	NGVD29	3	Z			А
1966-03-11		D	62611		3859.87	NAVD88	3	Z			А
1966-03-11		D	72019	50.13			3	Z			А
1971-01-20		D	62610		3858.73	NGVD29	3	Z			А
1971-01-20		D	62611		3860.32	NAVD88	3	Z			А
1971-01-20		D	72019	49.68			3	Z			А
1976-02-10		D	62610		3859.14	NGVD29	1	Z			А
1976-02-10		D	62611		3860.73	NAVD88	1	Z			А
1976-02-10		D	72019	49.27			1	Z			А
1981-03-06		D	62610		3857.76	NGVD29	1	Z			А
1981-03-06		D	62611		3859.35	NAVD88	1	Z			А
1981-03-06		D	72019	50.65			1	Z			Α
1986-04-01		D	62610		3856.41	NGVD29	1	Z			А
1986-04-01		D	62611		3858.00	NAVD88	1	Z			А
1986-04-01		D	72019	52.00			1	Z			А
1991-04-10		D	62610		3855.85	NGVD29	1	Z			А
1991-04-10		D	62611		3857.44	NAVD88	1	Z			А
1991-04-10		D	72019	52.56			1	Z			А
1996-02-15		D	62610		3854.34	NGVD29	1	S			А
1996-02-15		D	62611		3855.93	NAVD88	1	S			А
1996-02-15		D	72019	54.07			1	S			А

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	Α	Approved for publication Processing and review completed.

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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 14:01:03 EDT
0.33 0.29 nadww02



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

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:	OGRID:		
Catena Resources Operating, LLC	328449		
1001 Fannin Street	Action Number:		
Houston, TX 77002	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
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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 67837

QUEST		/aanti	۱۵۰۰۰
ULITA	11 114.5	1 C T M 11 I	M 16-11

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

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1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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

ACKNOWLEDGMENTS

Action 67837

ACKNOWLEDGMENTS

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

ACKNOWLEDGMENTS

\checkmark	I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.
V	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.
V	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.
V	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.
V	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.
V	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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Phone: (575) 393-6161 Fax: (575) 393-0720

District II

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1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462 **Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505**

State of New Mexico

CONDITIONS

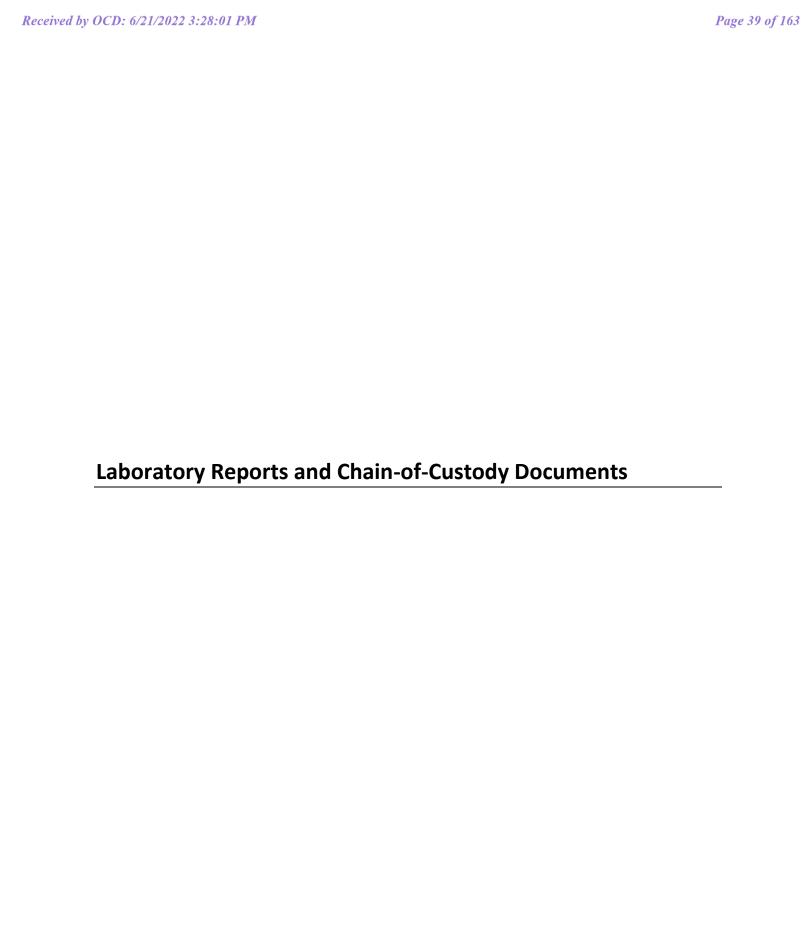
Action 67837

CONDITIONS

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

CONDITIONS

Created	Condition	Condition Date
Ву		
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



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

MAMER

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

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

.....LINKS

Review your project results through

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

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

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

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

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Definitions/Glossary

Client: NT Global Job ID: 880-7520-1 Project/Site: Hamon State #001 SDG: Lea Co NM

Qualifiers

GC	VOA
Qual	ifier

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

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" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MLMinimum Level (Dioxin) Most Probable Number MPN Method Quantitation Limit MQL

NC Not Calculated

Not Detected at the reporting limit (or MDL or EDL if shown) ND

Negative / Absent NEG POS Positive / Present **PQL Practical Quantitation Limit**

Presumptive **PRES** QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RLReporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points **RPD**

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) **TEQ**

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: NT Global SDG: Lea Co NM Project/Site: Hamon State #001

Client Sample ID: S-1 (0-6") Lab Sample ID: 880-7520-1

Date Collected: 10/21/21 00:00 **Matrix: Solid** Date Received: 10/25/21 10:50

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	
Toluene	<0.00200	U F1	0.00200		mg/Kg		10/25/21 14:15	10/27/21 15:35	
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		10/25/21 14:15	10/27/21 15:35	
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	
Xylenes, Total	<0.00401	U F1	0.00401		mg/Kg		10/25/21 14:15	10/27/21 15:35	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	126		70 - 130				10/25/21 14:15	10/27/21 15:35	
1,4-Difluorobenzene (Surr)	100		70 - 130				10/25/21 14:15	10/27/21 15:35	
Method: Total BTEX - Total	BTEX Calcula	tion							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/01/21 13:41	
Mariland oode NM Discher									
Method: 8015 NM - Diesel R			•	MDI	Unit	D	Prenared	Δnalvzed	Dil Fa
Analyte	Result	Qualifier	RL	MDL	Unit ma/Ka	<u>D</u>	Prepared	Analyzed 10/29/21 13:53	
Analyte			•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 10/29/21 13:53	
Analyte Total TPH	Result 758	Qualifier	RL 50.0	MDL		<u>D</u>	Prepared		
Analyte Total TPH Method: 8015B NM - Diesel	Result 758	Qualifier	RL 50.0			<u>D</u>	Prepared Prepared		
Analyte Total TPH Method: 8015B NM - Diesel Analyte Gasoline Range Organics	Result 758	Qualifier ics (DRO) Qualifier	RL 50.0		mg/Kg	_ =	<u> </u>	10/29/21 13:53	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 758 Range Organ Result	Qualifier ics (DRO) Qualifier	RL 50.0		mg/Kg	_ =	Prepared 10/29/21 09:53	10/29/21 13:53 Analyzed	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Analyte Gasoline Range Organics (GRO)-C6-C10	Result 758 Range Organ Result <50.0	Qualifier ics (DRO) Qualifier	RL 50.0 (GC) RL 50.0		mg/Kg Unit mg/Kg	_ =	Prepared 10/29/21 09:53 10/29/21 09:53	10/29/21 13:53 Analyzed 10/29/21 23:15	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over	Result 758 Range Organ Result <50.0	Qualifier ics (DRO) Qualifier U	RL 50.0 (GC) RL 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 10/29/21 09:53 10/29/21 09:53	Analyzed 10/29/21 23:15 10/29/21 23:15 10/29/21 23:15 10/29/21 23:15 Analyzed	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result 758 Range Organ Result <50.0 589 169	Qualifier ics (DRO) Qualifier U	RL 50.0 (GC) RL 50.0 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 10/29/21 09:53 10/29/21 09:53 10/29/21 09:53	Analyzed 10/29/21 23:15 10/29/21 23:15 10/29/21 23:15	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result 758 Range Organ Result <50.0 589 169 %Recovery	Qualifier ics (DRO) Qualifier U	RL 50.0 (GC) RL 50.0 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 10/29/21 09:53 10/29/21 09:53 10/29/21 09:53 Prepared 10/29/21 09:53	Analyzed 10/29/21 23:15 10/29/21 23:15 10/29/21 23:15 10/29/21 23:15 Analyzed	Dil Fa
Analyte Total TPH Method: 8015B NM - Diesel Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result 758 Range Organ Result <50.0 589 169	Qualifier ics (DRO) Qualifier U	RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 10/29/21 09:53 10/29/21 09:53 10/29/21 09:53 Prepared 10/29/21 09:53	Analyzed 10/29/21 23:15 10/29/21 23:15 10/29/21 23:15 10/29/21 23:15 Analyzed 10/29/21 23:15	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result 758 Range Organ Result <50.0 589 169 %Recovery 103 97 Chromatogra	Qualifier ics (DRO) Qualifier U	RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 10/29/21 09:53 10/29/21 09:53 10/29/21 09:53 Prepared 10/29/21 09:53	Analyzed 10/29/21 23:15 10/29/21 23:15 10/29/21 23:15 10/29/21 23:15 Analyzed 10/29/21 23:15	Dil Fac

Client Sample ID: S-2 (0-6") Lab Sample ID: 880-7520-2 Date Collected: 10/21/21 00:00 **Matrix: Solid**

Date Received: 10/25/21 10:50

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: NT Global Project/Site: Hamon State #001 SDG: Lea Co NM

Client Sample ID: S-2 (0-6") Lab Sample ID: 880-7520-2

Date Collected: 10/21/21 00:00 **Matrix: Solid** Date Received: 10/25/21 10:50

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 R	ange Organic	s (DRO) (G	SC)						
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 Organ	ics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<249	U	249		mg/Kg		10/29/21 09:53	10/29/21 23:37	5
(GRO)-C6-C10									
Diesel Range Organics (Over	12500		249		mg/Kg		10/29/21 09:53	10/29/21 23:37	5
C10-C28)									
Oll Range Organics (Over	1580		249		mg/Kg		10/29/21 09:53	10/29/21 23:37	5
C28-C36)									
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

Chloride 5870 50.0 mg/Kg 10/29/21 14:03 Client Sample ID: S-3 (0-6") Lab Sample ID: 880-7520-3 Date Collected: 10/21/21 00:00 **Matrix: Solid**

RL

MDL Unit

Prepared

Analyzed

Dil Fac

Date Received: 10/25/21 10:50

Analyte

Method: 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

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	I BTEX Calcula	tion							
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	
					0 0				
- -		s (DRO) (0	SC)		0 0				
Method: 8015 NM - Diesel	Range Organic	s (DRO) (O	SC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
: Method: 8015 NM - Diesel Analyte	Range Organic		•	MDL		<u>D</u>	Prepared	Analyzed 10/29/21 13:53	Dil Fac
Method: 8015 NM - Diesel Analyte Total TPH	Range Organic Result 1480	Qualifier	RL 50.0	MDL	Unit	<u>D</u>	Prepared		Dil Fac
Method: 8015 NM - Diesel Analyte Total TPH Method: 8015B NM - Diese Analyte	Range Organic Result 1480 I Range Organ	Qualifier	RL 50.0	MDL MDL	Unit mg/Kg	<u>D</u>	Prepared Prepared		Dil Fac

Eurofins Xenco, Midland

(GRO)-C6-C10

Client: NT Global Project/Site: Hamon State #001 SDG: Lea Co NM

Client Sample ID: S-3 (0-6") Lab Sample ID: 880-7520-3 Date Collected: 10/21/21 00:00

Matrix: Solid

Date Received: 10/25/21 10:50 Method: 9015P NM Discal Pance Organics (DPO) (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
Oll 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 Prepared Analyzed Dil Fac 250 10/29/21 14:10 **Chloride** 33200 mg/Kg

Client Sample ID: S-4 (0-6") Lab Sample ID: 880-7520-4

Date Collected: 10/21/21 00:00 **Matrix: Solid**

Date Received: 10/25/21 10:50

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)			70 - 130				10/25/21 14:15	10/27/21 16:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepare	a	Anaiyzea	DII Fac	
4-Bromofluorobenzene (Surr)	121		70 - 130	10/25/21 1	4:15	10/27/21 16:56	1	
1,4-Difluorobenzene (Surr)	113		70 - 130	10/25/21 1	4:15	10/27/21 16:56	1	
_								

Method: Total BTEX - Total BTEX Calculation										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Total BTFX	<0.00398	U	0.00398		ma/Ka			11/01/21 13:41	

Method: 8015 NM - Diesel Range Organics (DRO) (GC)											
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
	Total TPH	570		49.8		ma/Ka			10/29/21 13:53	1	

Total TPH	570		49.8		mg/Kg			10/29/21 13:53	1
Method: 8015B NM - Diesel I	•		(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
Oll 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	

70 - 130

98

Eurofins Xenco, Midland

10/29/21 09:53 10/30/21 00:19

o-Terphenyl

Client: NT Global Project/Site: Hamon State #001 SDG: Lea Co NM

Client Sample ID: S-4 (0-6") Lab Sample ID: 880-7520-4 Date Collected: 10/21/21 00:00

Matrix: Solid

Date Received: 10/25/21 10:50

Method: 300.0 - Anions, Ion Ch	ıromatogra _l	phy - Solub	ole						
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") Lab Sample ID: 880-7520-5 Date Collected: 10/21/21 00:00 **Matrix: Solid**

Date Received: 10/25/21 10:50

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: Tot	al BTEX - Total BTEX Calcula	tion							
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 Ran	ige Organics (DRO) (G0	3)					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	360	50.0	mg/Kg			10/29/21 13:53	1

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
Oll 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 C	hromatography - Soluble	e					
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") Lab Sample ID: 880-7520-6 Date Collected: 10/21/21 00:00 **Matrix: Solid** Date Received: 10/25/21 10:50

Method: 8021B - Volatile Org	ganic Compou	inds (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

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11/1/2021

Total BTEX

Released to Imaging: 7/5/2022 10:33:51 AM

Job ID: 880-7520-1

Client: NT Global Project/Site: Hamon State #001 SDG: Lea Co NM

Client Sample ID: S-6 (0-6") Lab Sample ID: 880-7520-6

Date Collected: 10/21/21 00:00 **Matrix: Solid** Date Received: 10/25/21 10:50

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 Analyte Total BTEX		Qualifier		MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 11/01/21 13:41	Dil Fac
Method: 8015 NM - Diesel	Range Organic	s (DRO) (0	3C)						
Analyte	•	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 - Diese	l Range Organ	ics (DRO)	(GC)						
	•	ics (DRO) Qualifier	(GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	•	Qualifier	• •	MDL	Unit mg/Kg	<u>D</u>	Prepared 10/29/21 09:53	Analyzed 10/30/21 01:02	Dil Fac

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

Surrogate	%Recovery	Qualifier	Limits	Preparea	Anaiyzea	DII 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 Result Qualifier Analyte RL MDL Unit **Prepared** Analyzed Dil Fac 49.5 10/29/21 14:30 Chloride 7510 mg/Kg 10

Client Sample ID: H-1 (0-6") Lab Sample ID: 880-7520-7 Date Collected: 10/21/21 00:00 **Matrix: Solid** Date Received: 10/25/21 10:50

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

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11/01/21 13:41

0.00396

mg/Kg

<0.00396 U

Date Received: 10/25/21 10:50

Job ID: 880-7520-1

Client: NT Global Project/Site: Hamon State #001 SDG: Lea Co NM

Client Sample ID: H-1 (0-6") Lab Sample ID: 880-7520-7 Date Collected: 10/21/21 00:00

Matrix: Solid

Method: 8015 NM - Diesel Rang	e Organio	s (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 Ran	ge Organ	ics (DRO) (G	C)						

Analyte	Result	Qualifier	RL	MDL I	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	ı	mg/Kg		10/29/21 09:53	10/30/21 01:23	1
Diesel Range Organics (Over C10-C28)	137		49.9	ı	mg/Kg		10/29/21 09:53	10/30/21 01:23	1
Oll Range Organics (Over C28-C36)	51.5		49.9	ı	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 Ch	romatogra	phy - Solub	le						
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") Lab Sample ID: 880-7520-8 Date Collected: 10/21/21 00:00 **Matrix: Solid**

Date Received: 10/25/21 10:50

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 BT	EX Calcula	tion							
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 Ran	ge Organic	s (DRO) (G	SC)						
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

L	Total TPH	66.7		49.9	n	ng/Kg			10/29/21 13:53	1
Г	Method: 8015B NM - Diesel Ra	nge Organi	ics (DRO) (0	GC)						
	Analyte	Result	Qualifier	RL	MDL U	Jnit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	n	mg/Kg		10/29/21 09:53	10/30/21 02:06	1
	Diesel Range Organics (Over C10-C28)	66.7		49.9	n	ng/Kg		10/29/21 09:53	10/30/21 02:06	1
	OII Range Organics (Over C28-C36)	<49.9	U	49.9	n	ng/Kg		10/29/21 09:53	10/30/21 02:06	1

SDG: Lea Co NM

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

Lab Sample ID: 880-7520-8

Matrix: Solid

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

Project/Site: Hamon State #001

Client: NT Global

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 Ch	romatogra	phy - Solub	ole						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	198		5.04		mg/Kg			10/29/21 14:58	1

Lab Sample ID: 880-7520-9 Client Sample ID: H-3 (0-6") Date Collected: 10/21/21 00:00 **Matrix: Solid**

Date Received: 10/25/21 10:50

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 DTEX - Total DTE	.A Calcula	tion							
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 Ran	ge Organics (DF	RO) (GC)						
Analyte	Result Quali	lifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1370	49.9	i	mg/Kg			10/29/21 13:53	1

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
Oll 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 Ch	romatogra	phy - Solu	ıble						
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: NT Global Job ID: 880-7520-1 Project/Site: Hamon State #001 SDG: Lea Co NM

Client Sample ID: H-4 (0-6") Lab Sample ID: 880-7520-10 Date Collected: 10/21/21 00:00

Matrix: Solid

Date Received: 10/25/21 10:50

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	
Toluene	< 0.00201	U	0.00201		mg/Kg		10/25/21 14:15	10/27/21 19:42	•
Ethylbenzene	< 0.00201	U	0.00201		mg/Kg		10/25/21 14:15	10/27/21 19:42	•
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402		mg/Kg		10/25/21 14:15	10/27/21 19:42	
o-Xylene	< 0.00201	U	0.00201		mg/Kg		10/25/21 14:15	10/27/21 19:42	•
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/25/21 14:15	10/27/21 19:42	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	125		70 - 130				10/25/21 14:15	10/27/21 19:42	
1,4-Difluorobenzene (Surr)	118		70 - 130				10/25/21 14:15	10/27/21 19:42	
Method: Total BTEX - Total B	ΓEX Calcula	tion							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
· inary to									
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/01/21 13:41	1
Total BTEX					mg/Kg			11/01/21 13:41	1
Total BTEX Method: 8015 NM - Diesel Rar	nge Organic			MDL	mg/Kg Unit		Prepared	11/01/21 13:41 Analyzed	
	nge Organic	s (DRO) (0	GC)	MDL		D	Prepared		Dil Fac
Total BTEX Method: 8015 NM - Diesel Rar Analyte	nge Organic Result 127	S (DRO) (O Qualifier	RL 49.9	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX Method: 8015 NM - Diesel Rar Analyte Total TPH Method: 8015B NM - Diesel Ra	nge Organic Result 127 ange Organ	S (DRO) (O Qualifier	RL 49.9		Unit	D	Prepared Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Rar Analyte Total TPH Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics	nge Organic Result 127 ange Organ	s (DRO) (O Qualifier ics (DRO) Qualifier	RL 49.9 (GC)		Unit mg/Kg		<u> </u>	Analyzed 10/29/21 13:53	Dil Fac
Total BTEX Method: 8015 NM - Diesel Rar Analyte Total TPH Method: 8015B NM - Diesel Rar Analyte Gasoline Range Organics (GRO)-C6-C10	nge Organic Result 127 ange Organ Result	s (DRO) (O Qualifier ics (DRO) Qualifier	RL 49.9 (GC)		Unit mg/Kg Unit		Prepared	Analyzed 10/29/21 13:53 Analyzed 10/30/21 02:49	Dil Fac
Method: 8015 NM - Diesel Rar Analyte Total TPH Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	nge Organic Result 127 ange Organ Result <49.9	s (DRO) (O Qualifier ics (DRO) Qualifier	(GC) RL 49.9 (RC) RL 49.9		Unit mg/Kg Unit mg/Kg		Prepared 10/29/21 09:53	Analyzed 10/29/21 13:53 Analyzed 10/30/21 02:49	Dil Fac
Method: 8015 NM - Diesel Rar Analyte Total TPH Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	nge Organic Result 127 ange Organ Result <49.9	S (DRO) (O Qualifier ics (DRO) Qualifier	(GC) RL 49.9 (RC) RL 49.9		Unit mg/Kg Unit mg/Kg		Prepared 10/29/21 09:53 10/29/21 09:53	Analyzed 10/29/21 13:53 Analyzed 10/30/21 02:49	Dil Fac
Total BTEX Method: 8015 NM - Diesel Rar Analyte Total TPH	nge Organic Result 127 ange Organ Result <49.9	s (DRO) (O Qualifier ics (DRO) Qualifier U	GC) RL 49.9 (GC) RL 49.9 49.9		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 09:53 10/29/21 09:53	Analyzed 10/29/21 13:53 Analyzed 10/30/21 02:49 10/30/21 02:49	Dil Fac
Method: 8015 NM - Diesel Rar Analyte Total TPH Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	nge Organic Result 127 ange Organ Result <49.9 127	s (DRO) (O Qualifier ics (DRO) Qualifier U	GC) RL 49.9 (GC) RL 49.9 49.9 49.9		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 10/29/21 09:53 10/29/21 09:53 10/29/21 09:53	Analyzed 10/29/21 13:53 Analyzed 10/30/21 02:49 10/30/21 02:49 10/30/21 02:49	Dil Fac

Client Sample ID: H-5 (0-6") Lab Sample ID: 880-7520-11 Date Collected: 10/21/21 00:00 **Matrix: Solid**

RL

5.05

MDL Unit

mg/Kg

Prepared

Result Qualifier

174

Date Received: 10/25/21 10:50

Analyte

Chloride

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

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Analyzed

10/29/21 15:26

Client: NT Global

Job ID: 880-7520-1

Project/Site: Hamon State #001 SDG: Lea Co NM

Client Sample ID: H-5 (0-6") Lab Sample ID: 880-7520-11 Date Collected: 10/21/21 00:00 **Matrix: Solid**

Date Received: 10/25/21 10:50

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 R	ange Organic	s (DRO) (G	iC)						
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 Organ	ics (DRO) ((GC)						
		(- /)	\ - /						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics		Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared 10/29/21 09:53	Analyzed 10/30/21 03:10	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier	RL _	MDL		<u>D</u>			Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9	Qualifier	RL 49.9	MDL	mg/Kg	<u>D</u>	10/29/21 09:53	10/30/21 03:10	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier	RL 49.9	MDL	mg/Kg	<u>D</u>	10/29/21 09:53 10/29/21 09:53	10/30/21 03:10 10/30/21 03:10	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over	Result <49.9	Qualifier U	RL 49.9	MDL	mg/Kg	<u>D</u>	10/29/21 09:53 10/29/21 09:53	10/30/21 03:10 10/30/21 03:10	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 842 270	Qualifier U	49.9 49.9 49.9	MDL	mg/Kg	<u>D</u>	10/29/21 09:53 10/29/21 09:53 10/29/21 09:53	10/30/21 03:10 10/30/21 03:10 10/30/21 03:10	Dil Fac

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier MDL Unit RLPrepared Analyzed Dil Fac Chloride 55.4 4.99 mg/Kg 10/29/21 15:32

Client Sample ID: H-6 (0-6") Lab Sample ID: 880-7520-12 Date Collected: 10/21/21 00:00 **Matrix: Solid** 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 Calcula	tion							
Method: Total BTEX - Total Analyte		tion Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
		Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 11/01/21 13:41	Dil Fac
Analyte Total BTEX	Result < 0.00403	Qualifier U	0.00403	MDL		<u>D</u>	Prepared		Dil Fac
Analyte Total BTEX Method: 8015 NM - Diesel F	Result <0.00403	Qualifier U	0.00403	MDL MDL	mg/Kg	<u>D</u>	Prepared Prepared		Dil Fac Dil Fac
Analyte	Result <0.00403	Qualifier U s (DRO) (O	0.00403		mg/Kg	_ =	<u> </u>	11/01/21 13:41	1
Analyte Total BTEX Method: 8015 NM - Diesel F Analyte	Result <0.00403 Range Organic Result <50.0	Qualifier U S (DRO) (O Qualifier U	0.00403 GC) RL 50.0		mg/Kg	_ =	<u> </u>	11/01/21 13:41 Analyzed	1
Analyte Total BTEX Method: 8015 NM - Diesel F Analyte Total TPH	Result <0.00403 Range Organic Result <50.0	Qualifier U S (DRO) (O Qualifier U	0.00403 GC) RL 50.0		mg/Kg Unit mg/Kg	_ =	<u> </u>	11/01/21 13:41 Analyzed	1

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(GRO)-C6-C10

Client Sample Results

Job ID: 880-7520-1 Client: NT Global Project/Site: Hamon State #001 SDG: Lea Co NM

Client Sample ID: H-6 (0-6") Lab Sample ID: 880-7520-12 Date Collected: 10/21/21 00:00

Matrix: Solid

Date Received: 10/25/21 10:50

Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC) (Contin	ued)					
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
Oll 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 Cl	hromatography - Soluk	ole						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	438	4.97	ma/Ka			10/31/21 18:22	1	

Surrogate Summary

Job ID: 880-7520-1 Client: NT Global Project/Site: Hamon State #001 SDG: Lea Co NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				ent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(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	
LC3D 000-10430/2-A	Method Blank	82	99	

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)	
880-7520-1	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+	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: NT Global Job ID: 880-7520-1 Project/Site: Hamon State #001 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

	MB	IVIB							
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 15:08	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

MB MB

Surrogate	%Recovery	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

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

LCS LCS

Surrogate	%Recovery	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

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

LCSD LCSD

<0.00200 UF1

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

Lab Sample ID: 880-7520-1 MS

Matrix: Solid

Toluene

Analysis Batch: 10684

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

70 - 130

81

Prep Batch: 10438

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

0.100

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0.08160

mg/Kg

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

Matrix: Solid

Analysis Batch: 10684

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

Prep Type: Total/NA

Prep Batch: 10438

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	

MS MS

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

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

Prep Type: Total/NA

Prep Batch: 10438 **RPD**

Matrix: Solid

Analysis Batch: 10684

Lab Sample ID: 880-7520-1 MSD

Sample Sample Spike MSD MSD %Rec. Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit 70 - 130 5 Benzene <0.00200 U 0.101 0.07114 mg/Kg 70 35 Toluene <0.00200 UF1 0.101 0.06740 F1 67 70 - 130 35 mg/Kg 19 Ethylbenzene <0.00200 UF1 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 79 70 - 130 mg/Kg 19

MSD MSD

Surrogate	%Recovery	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

Matrix: Solid

Analysis Batch: 10891

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 10916

	IVID	IVID							
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 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
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/29/21 09:53	10/29/21 20:27	1

MB MB

Surrogate	%Recovery	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

Matrix: Solid

Analysis Batch: 10891

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

Prep Batch: 10916

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

Client: NT Global Job ID: 880-7520-1 Project/Site: Hamon State #001 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

LCS LCS

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

Client Sample ID: Lab Control Sample Dup Lab Sample ID: LCSD 880-10916/3-A

Matrix: Solid

Analysis Batch: 10891

Prep Type: Total/NA

Prep Batch: 10916

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

LCSD LCSD

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

Lab Sample ID: 890-1481-A-1-F MS **Client Sample ID: Matrix Spike**

Matrix: Solid

Analysis Batch: 10891

Prep Type: Total/NA Prep Batch: 10916

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

C10-C28)

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

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

C10-C28)

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

Project/Site: Hamon State #001

Client: NT Global

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

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

Client Sample ID: Method Blank

Prep Type: Soluble

Analysis Batch: 10801

MB MB

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

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analysis Batch: 10801

Matrix: Solid

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

Lab Sample ID: LCSD 880-10741/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Soluble

Analysis Batch: 10801

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

Lab Sample ID: 880-7520-6 MS Client Sample ID: S-6 (0-6") **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 10801

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

Lab Sample ID: 880-7520-6 MSD Client Sample ID: S-6 (0-6") **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 10801

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

QC Association Summary

Client: NT Global Job ID: 880-7520-1
Project/Site: Hamon State #001 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	

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QC Association Summary

Client: NT Global Job ID: 880-7520-1
Project/Site: Hamon State #001 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	

Eurofins Xenco, Midland

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QC Association Summary

Client: NT Global Job ID: 880-7520-1 Project/Site: Hamon State #001 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

Client: NT Global Project/Site: Hamon State #001 SDG: Lea Co NM

Client Sample ID: S-1 (0-6") Lab Sample ID: 880-7520-1 Date Collected: 10/21/21 00:00

Matrix: Solid Date Received: 10/25/21 10:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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") Lab Sample ID: 880-7520-2 Date Collected: 10/21/21 00:00 **Matrix: Solid**

Date Received: 10/25/21 10:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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") Lab Sample ID: 880-7520-3 Date Collected: 10/21/21 00:00 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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") Lab Sample ID: 880-7520-4 Date Collected: 10/21/21 00:00 **Matrix: Solid**

Date Received: 10/25/21 10:50

Released to Imaging: 7/5/2022 10:33:51 AM

Date Received: 10/25/21 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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

Date Received: 10/25/21 10:50

Client: NT Global Job ID: 880-7520-1 Project/Site: Hamon State #001 SDG: Lea Co NM

Client Sample ID: S-4 (0-6") Lab Sample ID: 880-7520-4 Date Collected: 10/21/21 00:00

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Lab Sample ID: 880-7520-5 Client Sample ID: S-5 (0-6") Date Collected: 10/21/21 00:00 **Matrix: Solid**

Date Received: 10/25/21 10:50

Leach

Analysis

DI Leach

300.0

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.01 g	10 mL	10916 10891	10/29/21 09:53 10/30/21 00:41	DM AJ	XEN MID XEN MID

Client Sample ID: S-6 (0-6") Lab Sample ID: 880-7520-6 Date Collected: 10/21/21 00:00 **Matrix: Solid**

50

5 g

50 mL

10741

10801

10/27/21 12:38 SC

10/29/21 14:24 CH

Date Received: 10/25/21 10:50

Soluble

Soluble

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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") Lab Sample ID: 880-7520-7 Date Collected: 10/21/21 00:00 **Matrix: Solid**

Date Received: 10/25/21 10:50

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.03 g	10 mL	10916 10891	10/29/21 09:53 10/30/21 01:23		XEN MID XEN MID

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XEN MID

XEN MID

SDG: Lea Co NM

Client: NT Global

Project/Site: Hamon State #001

Client Sample ID: H-1 (0-6") Lab Sample ID: 880-7520-7

Date Collected: 10/21/21 00:00 **Matrix: Solid** Date Received: 10/25/21 10:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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") Lab Sample ID: 880-7520-8

Date Collected: 10/21/21 00:00 Matrix: Solid

Date Received: 10/25/21 10:50 Batch Batch Dil Initial Final Batch Prepared Method **Prep Type Amount Amount** Number or Analyzed Type Run **Factor Analyst** Lab Total/NA Prep 5035 4.99 g 5 mL 10438 10/25/21 14:15 KL XEN MID Total/NA 8021B 5 mL 5 mL 10684 10/27/21 18:47 MR Analysis XEN MID 1 Total/NA Analysis Total BTEX 11149 11/01/21 13:41 AJ XEN MID 1 Total/NA 8015 NM Analysis 1 10946 10/29/21 13:53 AJ **XEN MID**

1

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Lab Sample ID: 880-7520-9 Client Sample ID: H-3 (0-6") Date Collected: 10/21/21 00:00 Matrix: Solid

10.03 g

4.96 g

10916

10891

10741

10801

10 mL

50 mL

10/29/21 09:53 DM

10/30/21 02:06 AJ

10/27/21 12:38 SC

10/29/21 14:58 CH

Date Received: 10/25/21 10:50

Prep

Analysis

Analysis

Leach

8015NM Prep

8015B NM

DI Leach

300.0

Total/NA

Total/NA

Soluble

Soluble

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

Client Sample ID: H-4 (0-6") Lab Sample ID: 880-7520-10 Date Collected: 10/21/21 00:00 Matrix: Solid

Date Received: 10/25/21 10:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

XEN MID

XEN MID

XEN MID

XEN MID

Client: NT Global Project/Site: Hamon State #001 SDG: Lea Co NM

Client Sample ID: H-5 (0-6") Lab Sample ID: 880-7520-11 Date Collected: 10/21/21 00:00

Matrix: Solid

Date Received: 10/25/21 10:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.03 g	10 mL	10916 10891	10/29/21 09:53 10/30/21 03:10		XEN MID XEN MID
Soluble Soluble	Leach Analysis	DI Leach 300.0		1	5.01 g	50 mL	10741 10801	10/27/21 12:38 10/29/21 15:32		XEN MID XEN MID

Client Sample ID: H-6 (0-6") Lab Sample ID: 880-7520-12 Date Collected: 10/21/21 00:00 **Matrix: Solid**

Date Received: 10/25/21 10:50

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Released to Imaging: 7/5/2022 10:33:51 AM

Accreditation/Certification Summary

Job ID: 880-7520-1 Client: NT Global Project/Site: Hamon State #001 SDG: Lea Co NM

Laboratory: Eurofins Xenco, Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-21-22	06-30-22
The following analyte	are included in this rene	art but the laboratory is r	and contified by the devention outbority	This list may include analytes for u
the agency does not	offer certification.	•	not certified by the governing authority.	This list may include analytes for w
	•	Matrix	Analyte	This list may include analytes for w
the agency does not	offer certification.	•		This list may include analytes for w

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

Eurofins Xenco, Midland

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4.0

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Sample Summary

Client: NT Global Job ID: 880-7520-1

Project/Site: Hamon State #001 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

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Company Name.	NTG Environmental	ntal			Company Name	ie:							Pro	aram: (JST/PS	T	₩ 	rownfi	Program: UST/PST PRP Brownfields RRC	_ [limerfund
Address.	701 Tradewinds BLVD	BLVD			Address:								Stat	State of Project:	oject:	[[Ę	_	
City, State ZIP	Midland, TX 79706	06			City, State ZIP								Rep	ortıng L	Reporting Level III Level III PST/UST	Leve	Ē	PST/U	JST □RRP		
Phone:	432-813-0263			Email	mcarmona@ntglobal.com	ntglobal.c	om						Deli	/erable	Deliverables EDD		≥	ADaPT 🗆		-	
Project Name	Hamon	Hamon State #001		Tum	Turn Around						ANAIV	N VSIS DEDIJEST		4			and the same	Total Control	ש 		
Project Number	2	214798		✓ Routine	Rush	Pres.	1	7	1	\rfloor		_	- 6 1	1]		_	-	r reservative Codes	AAIIAA	Codes
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Sample Custody Seals	Yes	NA NA	Temperatu	Temperature Reading	1.5		ВТ	5M (Chl										Zn Acetate+NaOH, Zn	HOEN Z	ɔ `
Total Containers:			Corrected	Corrected Temperature:	40		energen in	801										z	NaOH+Ascorbic Acid SAPC	rbic Acıc	SAPC
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H-2 (0-6")		10/21/2021		×	G	1	×	×	×								1	_			
H-3 (0-6")		10/21/2021		×	9	_	×	×	×				\dashv	1			_	-			
H-4 (0-6")		10/21/2021		×	9		×	×	×								_	_			
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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.	document and relinquiliable only for the cost arge of \$85.00 will be a	shment of samp of samples and pplied to each p	les constitute shall not ass roject and a o	s a valid purchas ume any respons charge of \$5 for e	se order from clien sibility for any loss ach sample subm	it company to ses or expens itted to Xenco	Xenco, es incu	its affili red by t of analyz	ates and he client ed. Thes	subcont if such to e terms v	s and subcontractors. It assigns standard terms and condit client if such losses are due to circumstances beyond the oc These terms will be enforced unless previously negotiated.	ns standa circumst uniess pr	rd terms ances be eviously	and cor yond the negotiate	iditions control						
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Work
880-7520 Chain of Custody

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Revised Date 05012020 Rev 2020.1

	5	3		Relinquished by: (Signature)	of Xenco. A minimum charge of \$85.00 will be applied to each poject and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	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.	Additoi								H-6 (0-6")	H-5 (0-6")	Sample Identification		Total Containers	Sample Custody Seals.	Cooler Custody Seals.	Received Intact:	SAMPLE RECEIPT	PO#	Sampler's Name	Project Location	Project Number	Project Name:	Phone	ate ZIP	Address.	Company Name.	Project Manager	
				(Signature)	rge of \$85.00 will be	ocument and reling	Additoinal Comments:							***************************************	6")	6")	ification			Yes	Yes	Yes				Le		Hamo	432-813-0263	Midland, TX 79706	701 Tradewinds BLVD	NTG Environmental	Mike Carmona	
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Revised Date 05012020 Rev 2020.1

Login Sample Receipt Checklist

Client: NT Global Job Number: 880-7520-1 SDG Number: Lea Co NM

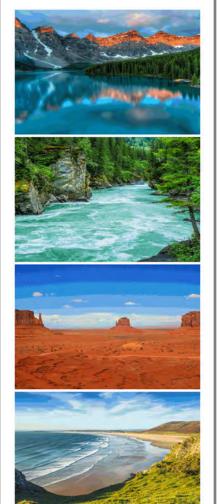
Login Number: 7520 List Source: Eurofins Xenco, Midland

List Number: 1

Creator: Kramer, Jessica

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





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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

een: 775 207 1702

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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Rayny Hagan
Technical Representative

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

ſ	NTG-New Tech Global Environmental	Project Name:	Hamon State #001	Reported:
1	911 Regional Park Dr.	Project Number:	21106-0001	Reported:
	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.



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

		E112038-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilution	1 repared	Analyzed	rotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	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	Anal	yst: 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	Anal	yst: 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	Anal	Analyst: IY		Batch: 2150048
Chloride	184	20.0	1	12/11/21	12/11/21	



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						
Reporting								
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	Ana	alyst: 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	Ana	alyst: 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	Ana	alyst: IY		Batch: 2150048		
Chloride	51.7	20.0	1	12/11/21	12/11/21			



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				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	Ana	alyst: 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	Ana	alyst: 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	Ana	alyst: IY		Batch: 2150048
Chloride	56.6	20.0	1	12/11/21	12/11/21	



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							
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: 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	Analy	yst: 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	Analy	yst: 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	Analy	yst: IY		Batch: 2150048	
Chloride	63.0	20.0	1	12/11/21	12/11/21		



		QC 50	ullilli	ary Data					
NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060		Project Name: Project Number: Project Manager:	2	Hamon State #00 1106-0001 Mike Carmona	1				Reported: 12/15/2021 3:33:23PM
		Analyst: RKS							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2150043-BLK1)							Prepared: 1	2/10/21	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	0.0230	8.00		98.3	70-130			
LCS (2150043-BS1)							Prepared: 1	2/10/21	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			
Foluene	5.33	0.0250	5.00		107	70-130			
o-Xylene	5.06	0.0250	5.00		101	70-130			
o,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: E	2112043-0	01	Prepared: 1	2/10/21	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			
p-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: E	2112043-0	01	Prepared: 1	2/10/21	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	
Foluene	5.28	0.0250	5.00	ND	106	61-130	1.38	20	
p-Xylene	5.04	0.0250	5.00	ND	101	63-131	1.29	20	
o,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			
-									



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

Houston TX, 77060		Project Manage	r: M	ke Carmona					12/15/2021 3:33:23PM
	Non	halogenated	Organics l	by EPA 80	15D - GI	RO			Analyst: RKS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limi	
Blank (2150043-BLK1)							Prepared: 1	2/10/21	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: 1	2/10/21	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:	E112043-0)1	Prepared: 1	2/10/21	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:	E112043-0)1	Prepared: 1	2/10/21	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			

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

Houston TX, 77060		Project Manage	r: M	ike Carmona					12/15/2021 3:33:23PM
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2150053-BLK1)							Prepared:	12/10/21	Analyzed: 12/15/21
Diesel Range Organics (C10-C28)	ND	25.0							
Dil 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:	E112036-0)1	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:	E112036-0)1	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			



NTG-New Tech Global Environmental 911 Regional Park Dr.		Project Name: Project Number:		amon State #0	001				Reported:
Houston TX, 77060		Project Manager:		like Carmona					12/15/2021 3:33:23PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	1				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
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:	E112038-0	1	Prepared:	12/11/21	Analyzed: 12/11/21
Chloride	431	20.0	250	184	98.9	80-120			
Matrix Spike Dup (2150048-MSD1)				Source:	E112038-0	1	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



Job # 21104 - 001 214798

																					Page	of	
roject Manager:	Mike C	armona				Bill to: (if	different)											Worl	k Orde	r Co	mments		
Company Name:	NTG E	nvironment	al			Company	Name:								Prog	ram: L	JST/PS	T PRE	Bro	wnfi	ields RRC	uperfund	Е
ddress:	701 Tra	adewinds B	LVD			Address:									State	of Pr	oject:						17
City, State ZIP:	Midland	d, TX 79706	6			City, Stat	e ZIP:								Repo	orting:L	evel II	Level	III 🗅:	ST/U	IST TRRP	Level IV	
Phone:	432-81	3-0263			Email:	mcarmo	na@ntg	lobal.cor	n						Deliv	erables	s: EDD		ADa	aPT [Other:		
roject Name:		Hamon S	State #001		Turr	Around						4	NALY	SIS RE	QUES	Т					Preservati	ve Codes	
Project Number:		214	1798		✓ Routine	Rush	1	Pres. Code									1			N		DI Water: H	20
Project Location		Lea C	Co, NM		Due Date:	Stan	dard													C	cool: Cool	MeOH: Me	
Sampler's Name: PO #:		N	NH		TAT starts the lab, if rece	day receive		ý		+ MRO)										100		HNO ₃ : HN NaOH: Na	
SAMPLE RECE	IPT	Temp B	llank:	Yes No	Wet Ice:	Yes	No	Parameters	<u>B</u>	DRO	300.0	5 P	1								I₃PO₄: HP		
Received Intact:		Yes	No	Thermom	eter ID:			агап	8021B	+	le 30								HOLD		aHSO ₄ : NABIS		
Cooler Custody Sea		Yes No	0000000	Correction				ď	втех	(GRO	Chloride								=	N	la ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Se	eals:	Yes No	N/A		ure Reading:				ш	8015M	ō									1,100	n Acetate+NaOl		
otal Containers:				Corrected	Temperature:					TPH 8(Na	aOH+Ascorbic A	Acid: SAPC	_
Sample Ide	entificatio	n	Date	Time	Soil	Water	Grab/ Comp	# of Cont		=											Sample Co	omments	
H-1 (0	0-0.5')	1	2/8/2021	, <u>-</u>	Х	1-1	G	1	Х	Х	Х									1	4-160-	14)	
2 H-3 (0	0-0.5')	1	2/8/2021	- 3	Х		G	1	Х	Х	Х									H	-3/00	0")	
3 H-4 (0	0-0.5')	1	2/8/2021	-	Х	19	G	1	Х	Х	Х									A	1-410-		
H-5 (0	0-0.5')	1	2/8/2021	-	Х	7 6	G	1	Х	Х	Х									H	1-510-	611)	
															-				_			-	
													-		-	-			-	4			_
										-		-	-	-	+-				-	+			_
															1					+			_
Sampl	toinal Co	omments:	ved	(2)	VISIBLE	ıCe		40															

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 NICH Hart P	200	12.9.21 /1:31	2		
3 Cartty Chulana (atten Christian	12/9/21 11:16	4 00		
5	/	11111	6		

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

envirotech Inc.

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

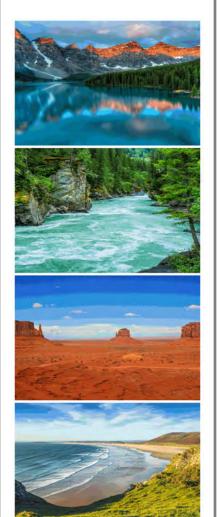
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	NTG-New Tech Global Environmental	Date Received:	12/09/21 11	1:16		Work Order ID:	E112038
Phone:	(432) 685-3898	Date Logged In:	12/09/21 10	0:40		Logged In By:	Jessica Liesse
Email:	mcarmona@ntglobal.com	Due Date:	12/15/21 1	7:00 (4 day TAT)			
Chain of	Custody (COC)						
	the sample ID match the COC?		No				
	ne number of samples per sampling site location mat	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: Fo	ledEx		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	Il samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.			г		Comment	s/Resolution
	urn Around Time (TAT)				Dlassias I Ca	l. ID d	a mad madala COC
	COC indicate standard TAT, or Expedited TAT?		Yes		_	-	s not match COC.
Sample C					Noted on C	OC	
	sample cooler received?		Yes				
•	was cooler received in good condition?		Yes				
9. Was the	e 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				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C			_				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab							
	— field sample labels filled out with the minimum info	ormation:					
Sa	ample ID?		Yes				
	ate/Time Collected?		Yes	L			
	ollectors name?		Yes				
	reservation		NT.				
	the COC or field labels indicate the samples were pr	reserveu?	No				
	umple(s) correctly preserved? filteration required and/or requested for dissolved m	actole?	NA No				
	•	iciais:	No				
	se Sample Matrix	0					
	the sample have more than one phase, i.e., multipha		No				
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
	imples required to get sent to a subcontract laborator	-	No				
29. Was a	subcontract laboratory specified by the client and it	f so who?	NA	Subcontract Lab): N/A		
Client In	astruction_						

Date

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

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

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Cell: 775-287-1762

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Laboratory Administrator Office: 505-632-1881

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Field Offices:

Southern New Mexico Area Lynn Jarboe

T 1 ' 1D

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ljarboe@envirotech-inc.com

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West Texas Midland/Odessa Area Rayny Hagan

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

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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	Keporteu:
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.

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

	E112072-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: RKS		Batch: 2150040
ND	0.0250	1	12/10/21	12/14/21	
ND	0.0250	1	12/10/21	12/14/21	
ND	0.0250	1	12/10/21	12/14/21	
ND	0.0250	1	12/10/21	12/14/21	
ND	0.0500	1	12/10/21	12/14/21	
ND	0.0250	1	12/10/21	12/14/21	
	108 %	70-130	12/10/21	12/14/21	
mg/kg	mg/kg	Analy	st: RKS		Batch: 2150040
ND	20.0	1	12/10/21	12/14/21	
	94.8 %	70-130	12/10/21	12/14/21	
mg/kg	mg/kg	Analy	st: JL		Batch: 2150054
1930	25.0	1	12/10/21	12/13/21	
1040	50.0	1	12/10/21	12/13/21	
	115 %	50-200	12/10/21	12/13/21	
mg/kg	mg/kg	Analy	st: IY		Batch: 2150049
57900	2000	100	12/10/21	12/11/21	
	mg/kg ND ND ND ND ND ND ND ND 1930 1940	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 IO8 % mg/kg mg/kg mg/kg ND 20.0 94.8 % mg/kg mg/kg mg/kg 1930 25.0 1040 50.0 115 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 MB/kg mg/kg Analy MB/kg mg/kg Analy mg/kg mg/kg Analy 1930 25.0 1 1040 50.0 1 MB/kg mg/kg Analy	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 12/10/21 ND 0.0250 1 12/10/21 ND 0.0250 1 12/10/21 ND 0.0500 1 12/10/21 ND 0.0250 1 12/10/21 mg/kg mg/kg Analyst: RKS ND 20.0 1 12/10/21 mg/kg mg/kg Analyst: JL mg/kg mg/kg Analyst: JL 1930 25.0 1 12/10/21 1040 50.0 1 12/10/21 mg/kg mg/kg Analyst: JL	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 12/10/21 12/14/21 ND 0.0250 1 12/10/21 12/14/21 ND 0.0250 1 12/10/21 12/14/21 ND 0.0500 1 12/10/21 12/14/21 ND 0.0250 1 12/10/21 12/14/21 ND 0.0250 1 12/10/21 12/14/21 mg/kg mg/kg Analyst: RKS ND 20.0 1 12/10/21 12/14/21 mg/kg mg/kg Analyst: JL 12/10/21 12/14/21 mg/kg mg/kg Analyst: JL 115 % 50-200 1 12/10/21 12/13/21 mg/kg mg/kg Analyst: JL 12/10/21 12/13/21 12/13/21

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	Analys	st: 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	Analys	st: 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	Analys	st: 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	Analys	st: IY		Batch: 2150049
Chloride	18200	400	20	12/10/21	12/11/21	

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	Analys	st: 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	Analys	st: 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	Analys	st: 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	Analys	st: IY		Batch: 2150049
Chloride	17200	400	20	12/10/21	12/11/21	



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	Analys	st: 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	Analys	st: 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	Analys	st: 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	Analys	st: IY		Batch: 2150049
Chloride	15700	400	20	12/10/21	12/11/21	

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	Analy	st: 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	Analy	st: 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	Analy	st: 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	Analy	st: IY		Batch: 2150049
Chloride	5700	40.0	2	12/10/21	12/11/21	



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

		E112042-00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
				•	,	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	Analys	t: 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	Analys	t: 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	Analys	t: IY		Batch: 2150049
Chloride	1090	20.0	1	12/10/21	12/11/21	



NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
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Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-2 (2') E112042-07

		E112042-07						
Reporting								
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	Anal	yst: 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	Anal	yst: 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	Anal	yst: IY		Batch: 2150049		
Chloride	473	20.0	1	12/10/21	12/11/21			



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

		2112012 00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		st: RKS	7 mary zea	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	Analys	st: 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	Analys	st: 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	Analys	st: IY		Batch: 2150049
Chloride	224	20.0	1	12/10/21	12/11/21	



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

		E112042-09				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	Anal	yst: 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	Anal	yst: 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	Anal	yst: IY		Batch: 2150049
Chloride	5770	40.0	2	12/10/21	12/11/21	



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

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	Ana	lyst: 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	Ana	lyst: 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	Ana	lyst: IY		Batch: 2150049
Chloride	1110	20.0	1	12/10/21	12/11/21	·



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	Analys	st: 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	Analys	st: 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	Analys	st: IY		Batch: 2150049
Chloride	7210	200	10	12/10/21	12/11/21	



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

		E112042-12				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
	mg/kg mg/kg Analyst: RKS			Batch: 2150040		
Volatile Organics by EPA 8021B Benzene	ND	0.0250	1	12/10/21	12/14/21	Butch: 2130010
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	Anal	yst: 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	Anal	yst: IY		Batch: 2150049
Chloride	5910	100	5	12/10/21	12/11/21	



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

		E112042-13				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Thatye	resuit	Emm	Ditation	Trepured	7 Hary Zea	rotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	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	Anal	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	Anal	yst: 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	Anal	yst: IY		Batch: 2150049
Chloride	3530	40.0	2	12/10/21	12/11/21	·



NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
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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	Analy	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	Analy	st: 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	Analy	st: IY		Batch: 2150049
Chloride	3100	40.0	2	12/10/21	12/11/21	



NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
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Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-4 (2') E112042-15

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	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	Analy	yst: 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	Analy	yst: IY		Batch: 2150049
Chloride	3310	40.0	2	12/10/21	12/11/21	



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Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-4 (3') E112042-16

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	Analyst: RKS		Batch: 2150040
ND	0.0250	1	12/10/21	12/14/21	
ND	0.0250	1	12/10/21	12/14/21	
ND	0.0250	1	12/10/21	12/14/21	
ND	0.0250	1	12/10/21	12/14/21	
ND	0.0500	1	12/10/21	12/14/21	
ND	0.0250	1	12/10/21	12/14/21	
	93.9 %	70-130	12/10/21	12/14/21	
mg/kg	mg/kg	Analyst: RKS			Batch: 2150040
ND	20.0	1	12/10/21	12/14/21	
	98.7 %	70-130	12/10/21	12/14/21	
mg/kg	mg/kg	Analyst: JL			Batch: 2150054
76.9	25.0	1	12/10/21	12/14/21	
52.9	50.0	1	12/10/21	12/14/21	
	111 %	50-200	12/10/21	12/14/21	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2150049
1270	20.0	1	12/10/21	12/11/21	
	mg/kg ND ND ND ND ND ND ND ND The state of t	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0250 93.9 % mg/kg Mg/kg mg/kg ND 20.0 98.7 % mg/kg mg/kg mg/kg 76.9 25.0 52.9 50.0 111 % mg/kg mg/kg mg/kg	mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 93.9 % 70-130 mg/kg mg/kg Anal ND 20.0 1 98.7 % 70-130 1 mg/kg mg/kg Anal 76.9 25.0 1 52.9 50.0 1 111 % 50-200 mg/kg Mg/kg Anal	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 12/10/21 ND 0.0250 1 12/10/21 ND 0.0250 1 12/10/21 ND 0.0500 1 12/10/21 ND 0.0250 1 12/10/21 MD 0.0250 1 12/10/21 mg/kg mg/kg Analyst: RKS ND 20.0 1 12/10/21 mg/kg mg/kg Analyst: JL mg/kg mg/kg Analyst: JL 76.9 25.0 1 12/10/21 52.9 50.0 1 12/10/21 mg/kg mg/kg Analyst: JL	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 12/10/21 12/14/21 ND 0.0250 1 12/10/21 12/14/21 ND 0.0250 1 12/10/21 12/14/21 ND 0.0500 1 12/10/21 12/14/21 ND 0.0250 1 12/10/21 12/14/21 mg/kg mg/kg Analyst: RKS ND 20.0 1 12/10/21 12/14/21 mg/kg mg/kg Analyst: RKS ND 20.0 1 12/10/21 12/14/21 mg/kg mg/kg Analyst: JL 76.9 25.0 1 12/10/21 12/14/21 mg/kg 50.0 1 12/10/21 12/14/21 mg/kg mg/kg Analyst: JL



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T-5 (0-1') E112042-17

		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	
p-Xylene	ND	0.0250	1	12/10/21	12/14/21	
o,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	/kg Analyst: IY			Batch: 2150049
Chloride	8510	200	10	12/10/21	12/11/21	



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Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-5 (1') E112042-18

		E112042-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	Analys	st: 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	Analys	st: 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	Analys	st: IY		Batch: 2150049
Chloride	8150	200	10	12/10/21	12/11/21	

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T-5 (2') E112042-19

		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		102 %	70-130	12/10/21	12/14/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: 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	Analys	st: 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	Analys	st: IY		Batch: 2150049
Chloride	8310	200	10	12/10/21	12/11/21	



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T-5 (3') E112042-20

		E112042-20				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Analyte	Kesuit	Lillit	Dilution	ii Frepareu	Allalyzeu	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	An	alyst: 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	An	alyst: 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	An	alyst: IY		Batch: 2150049
Chloride	1650	40.0	2	12/10/21	12/11/21	



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T-5 (4') E112042-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: 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	Analy	/st: 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	Analy	/st: 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	Analy	/st: IY		Batch: 2150048
Chloride	1560	40.0	2	12/11/21	12/11/21	



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Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-6 (0-1') E112042-22

		E112042-22				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Resuit	Limit	Dilution	rrepared	Ananyzed	notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	Anal	yst: 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	Anal	yst: 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	Anal	yst: IY		Batch: 2150048
Chloride	1380	20.0	1	12/11/21	12/11/21	



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T-6 (1') E112042-23

Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2150044
ND	0.0250	1	12/10/21	12/13/21	
ND	0.0250	1	12/10/21	12/13/21	
ND	0.0250	1	12/10/21	12/13/21	
ND	0.0250	1	12/10/21	12/13/21	
ND	0.0500	1	12/10/21	12/13/21	
ND	0.0250	1	12/10/21	12/13/21	
	96.0 %	70-130	12/10/21	12/13/21	
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2150044
ND	20.0	1	12/10/21	12/13/21	
	93.3 %	70-130	12/10/21	12/13/21	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2150053
62.1	25.0	1	12/10/21	12/14/21	
70.9	50.0	1	12/10/21	12/14/21	
	114 %	50-200	12/10/21	12/14/21	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2150048
1560	20.0	1	12/11/21	12/11/21	
	mg/kg ND ND ND ND ND ND ND ND The state of t	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 mg/kg mg/kg MB/kg mg/kg 62.1 25.0 70.9 50.0 114 % mg/kg mg/kg mg/kg	mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 mg/kg mg/kg Anal ND 20.0 1 93.3 % 70-130 70-130 mg/kg mg/kg Anal 62.1 25.0 1 70.9 50.0 1 114 % 50-200 mg/kg mg/kg Anal	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 12/10/21 ND 0.0250 1 12/10/21 ND 0.0250 1 12/10/21 ND 0.0500 1 12/10/21 ND 0.0250 1 12/10/21 MD 0.0250 1 12/10/21 mg/kg mg/kg Analyst: RKS ND 20.0 1 12/10/21 mg/kg mg/kg Analyst: JL 62.1 25.0 1 12/10/21 70.9 50.0 1 12/10/21 mg/kg mg/kg Analyst: JL	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 12/10/21 12/13/21 ND 0.0250 1 12/10/21 12/13/21 ND 0.0250 1 12/10/21 12/13/21 ND 0.0500 1 12/10/21 12/13/21 ND 0.0250 1 12/10/21 12/13/21 mg/kg 70-130 12/10/21 12/13/21 mg/kg mg/kg Analyst: RKS ND 20.0 1 12/10/21 12/13/21 mg/kg mg/kg Analyst: JL 12/10/21 12/13/21 mg/kg mg/kg Analyst: JL 12/10/21 12/14/21 70.9 50.0 1 12/10/21 12/14/21 mg/kg mg/kg Analyst: JL



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Houston TX, 77060	Project Manager:	Mike Carmona	12/15/2021 3:46:03PM

T-6 (2') E112042-24

		E112042-24				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	Anal	yst: 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	Anal	yst: 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	Anal	yst: IY		Batch: 2150048
Chloride	1280	20.0	1	12/11/21	12/11/21	



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	Analy	yst: 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	Analy	yst: 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	Analy	yst: 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	Analy	yst: IY		Batch: 2150048
Chloride	1390	20.0	1	12/11/21	12/11/21	



Hamon State #001 NTG-New Tech Global Environmental Project Name: 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 Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2150040-BLK1) Prepared: 12/10/21 Analyzed: 12/14/21 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 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 4.95 5.00 98.9 70-130 Benzene 0.0250 Ethylbenzene 5.09 0.0250 5.00 102 70-130 5.27 0.0250 5.00 105 70-130 Toluene o-Xylene 5.02 0.0250 5.00 100 70-130 10.3 10.0 103 70-130 0.0500 p.m-Xvlene 102 70-130 15.3 15.0 Total Xylenes 0.0250 8.00 95.8 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.66 Matrix Spike (2150040-MS1) Source: E112042-02 Prepared: 12/10/21 Analyzed: 12/14/21 4.78 0.0250 5.00 ND 54-133 Benzene ND 98.2 61-133 Ethylbenzene 4.91 0.0250 5.00 Toluene 5.11 0.0250 5.00 ND 102 61-130 4.82 ND 96.5 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.90 0.0500 10.0 ND 99.0 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.65 8.00 Matrix Spike Dup (2150040-MSD1) Source: E112042-02 Prepared: 12/10/21 Analyzed: 12/14/21 4.70 0.0250 5.00 ND 94.0 54-133 1.74 61-133 1.91 4.82 0.0250 5.00 ND 96.4 20 Ethylbenzene 61-130 Toluene 5.03 0.0250 5.00 ND 101 1 59 20 4.72 5.00 ND 94.4 63-131 2.13 20 o-Xylene 0.0250 97.0 9.70 10.0 ND 63-131 2.07 20 p,m-Xylene 0.0500



14.4

7.52

0.0250

15.0

8.00

ND

96.1

94.0

63-131

70-130

2.09

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

		QC DI	A111111	ary Data	•				
NTG-New Tech Global Environmental		Project Name:		Hamon State #00)1				Reported:
911 Regional Park Dr.		Project Number:		21106-0001					
Houston TX, 77060		Project Manager:	1	Mike Carmona					12/15/2021 3:46:03PM
		Volatile O	rganics	by EPA 8021	B				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2150044-BLK1)							Prepared: 1	2/10/21 A	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: 1	2/10/21 A	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: F	E112044-	01	Prepared: 1	2/10/21 A	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: F	E112044-	01	Prepared: 1	2/10/21 A	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

70-130

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

Houston TX, 77060		Project Manage	r: M	ike Carmona					12/15/2021 3:46:03PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: RKS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2150040-BLK1)							Prepared: 12	2/10/21 A	nalyzed: 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	2/10/21 A	nalyzed: 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:	E112042-0)2	Prepared: 12	2/10/21 A	nalyzed: 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:	E112042-0)2	Prepared: 12	2/10/21 A	nalyzed: 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			

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

Houston TX, 77060		Project Manage		ike Carmona				12	2/15/2021 3:46:03PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: RKS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2150044-BLK1)							Prepared: 12	2/10/21 An	alyzed: 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	2/10/21 An	alyzed: 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:	E112044-0)1	Prepared: 12	2/10/21 An	alyzed: 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:	E112044-0)1	Prepared: 12	2/10/21 An	alyzed: 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			

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

Houston TX, 77060		Project Manage	r: Mi	ike Carmona					12/15/2021 3:46:03PM
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
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:	E112036-0)1	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:	E112036-0)1	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			



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

Houston TX, 77060		Project Manage	r: M	ike Carmona					12/15/2021 3:46:03PM
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2150054-BLK1)							Prepared: 1	2/10/21	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: 1	2/10/21	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:	E112042-0)9	Prepared: 1	2/10/21	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:	E112042-0)9	Prepared: 1	2/10/21	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			



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

Houston TX, 77060		Project Manager	r: M	ike Carmona				12	/15/2021 3:46:03PM			
		Anions	by EPA 3	00.0/9056 <i>A</i>	1			Analyst: IY				
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes			
Blank (2150048-BLK1)							Prepared: 1	2/11/21 Ana	llyzed: 12/11/21			
Chloride	ND	20.0										
LCS (2150048-BS1)							Prepared: 1	2/11/21 Ana	lyzed: 12/11/21			
Chloride	252	20.0	250		101	90-110						
Matrix Spike (2150048-MS1)				Source:	E112038-0	01	Prepared: 1	2/11/21 Ana	llyzed: 12/11/21			
Chloride	431	20.0	250	184	98.9	80-120						
Matrix Spike Dup (2150048-MSD1)				Source:	E112038-0	01	Prepared: 1	2/11/21 Ana	llyzed: 12/11/21			
Chloride	418	20.0	250	184	93.3	80-120	3.27	20				

				-					
NTG-New Tech Global Environmental		Project Name:	Н	amon State #0	001				Reported:
911 Regional Park Dr.		Project Number:	2	1106-0001					•
Houston TX, 77060		Project Manager:	N	like Carmona					12/15/2021 3:46:03PM
		Anions	by EPA	300.0/9056 <i>E</i>	A				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2150049-BLK1)							Prepared: 1	2/10/21 A	nalyzed: 12/11/21
Chloride	ND	20.0							
LCS (2150049-BS1)							Prepared: 1	2/10/21 A	nalyzed: 12/11/21
Chloride	267	20.0	250		107	90-110			
Matrix Spike (2150049-MS1)				Source:	E112042-0)1	Prepared: 1	2/10/21 A	nalyzed: 12/11/21
Chloride	39100	2000	250	57900	NR	80-120			M5
Matrix Spike Dup (2150049-MSD1)				Source:	E112042-0)1	Prepared: 1	2/10/21 A	nalyzed: 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

ſ	NTG-New Tech Global Environmental	Project Name:	Hamon State #001	
l	911 Regional Park Dr.	Project Number:	21106-0001	Reported:
l	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.



Project Manager:

Company Name:

City, State ZIP:

Address:

Chain of Custody



Mike Carmona

NTG Environmental

Midland, TX 79706

701 Tradewinds BLVD

Work Order N	o: E112	042
70p # 90g	21106-	∞ 1
	Page	1 of 3
Work Order	Comments	
am: UST/PST ☐PRP ☐Bro	wnfields RRC	uperfund [
ting:Level II Level III S rables: EDD ADa		
	Preserv	ative Codes
	None: NO	DI Water: H ₀ O

Progr

State

Repor

33	Phone:	432-81	3-0263			Email:	mcarmo	na@ntg	lobal.co	m							Delive	erable	s: EDI		ADaF	PT ☐ Oth	er:	
51	Project Name:		Hamo	on State #001		Turr	n Around							 ANAL	YSIS	REQ	UEST					Preser	vative Code	s
N	Project Number:			214798		✓ Routine	Rus	h	Pres. Code													None: NO	DI Water	H ₂ O
Ì	Project Location		Le	a Co, NM		Due Date:	Star	ndard														Cool: Cool	MeOH: N	le
	Sampler's Name:			NH		TAT starts the					MRO)								1			HCL: HC	HNO ₃ : HI	V
	PO #:					lab, if rece	eived by 4:3	0pm	SIS		+	11.1										H ₂ S0 ₄ : H ₂	NaOH: N	а
	SAMPLE RECE	IPT	Tem	p Blank:	Yes No	Wet Ice:	Yes	No	arameters	87	DRO	300.0				l d					1	H ₃ PO ₄ : HP		
	Received Intact:		Ye		Thermon				araı	3TEX 8021B	9										НОГР	NaHSO ₄ : NA		
۲a	Cooler Custody Sea Sample Custody Sea		Yes		Correctio					BTE	N (G	Chloride							1		Ι =	Na ₂ S ₂ O ₃ : Na		
age		als.	Yes	No N/A		ture Reading: Temperature:					8015M (GRO	0										Zn Acetate+N NaOH+Asco	naOH: Zn rbic Acid: SAP	С
40 ot 4	Sample Idea	ntificatio	n	Date	Time	Soil	Water	Grab/ Comp	# of Cont		TPH											Sampl	e Comment	s
43	T-1 (0	D-1')		12/8/2021	1.4	X	- (-	G	1	Х	Х	Х												
~	T-1 ((1')		12/8/2021	-	Х	-	G	1	X	Х	Х												
3	T-1 ((2')		12/8/2021	-	Х	-	G	1	Х	Х	Х			(T									
4	T-1 ((3')-		12/8/2021	-	Х	-	G	1	Х	Х	Х												
5	T-2 (0)-1')		12/8/2021	-	X	- 4	G	1	Х	Х	Х	1											
6	T-2 ((1')		12/8/2021	-	X	4	G	1	Х	Х	X												
7	T-2 ((2')		12/8/2021	-	Х	-	G	1	Х	Х	Х												
8	T-2 ((3')		12/8/2021	-	X	-	G	1	Х	Х	Х												
9	T-3 (0)-1') -		12/8/2021	-	Х	-	G	1	Х	Х	Х												
10	T-3 ((1')		12/8/2021	-	X		G	1	Х	Х	Х												

							-			
Additional Comments: Samples recleved	with	Visible	ICe	40						

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.

Bill to: (if different)

Company Name:

City, State ZIP:

Address:

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Nice And	1200	12.8.21/1:31	2		
3	Coultry Christian	12/9/21/11/24	4		
5	0		6		

Received by OCD: 6/21/2022 3:28:01 PM

Chain of Custody



Relinquished by: (Signature)

Work Order No: 112042

Project Manager:	Mike C	armona				Bill to: (if	different)												Work (Ordor		0.
Company Name:	NTG E	nvironme	ental			Compan	y Name:									Progr	am: 119	T/DCT	1312			1 2 7
Address:	701 Tr	adewinds	BLVD			Address											of Pro		ПРКР	prow	Infleids LRRC L	uperfund
City, State ZIP:	Midlan	d, TX 797	'06			City, Sta	te ZIP:									1000	227 2 27		l evel III	Гъс	T/UST Propo P	Lawally [
Phone:	432-81	3-0263			Email:	mcarmo	The state of the s	lobal.co	m									EDD		ADaF		Level IV
Project Name:		Hamor	State #001		Turr	Around						-	ANI	ALYSIS	PEC	LIFET				7.55		1505000000
Project Number:		2	14798		✓ Routine	Rusi		Pres. Code				T	AIV	ALTOIS	KEC	DEST	1		_			
Project Location		Lea	Co, NM		Due Date:	Star	ndard	Code							-				+		None: NO DI	Water: H ₂ O
Sampler's Name:			NH		TAT starts the	700000				MRO)												eOH: Me
PO #:						ived by 4:3		y)		¥												NO ₃ : HN
SAMPLE RECEI	PT	Temp	Blank:	Yes No	Wet Ice:	Yes	No	Parameters	m	DRO	300.0					1 1						aOH: Na
Received Intact:		Yes	No	Thermom	eter ID:			ram	8021B	+	e 30										The state of the s	
Cooler Custody Seal		Yes 1	No N/A	Correction	n Factor:			Pa Pa	BTEX	GRC	Chloride					1 1				HOLD	The second secon	
Sample Custody Sea	ls:	Yes N	lo N/A	Temperat	ture Reading:				m	8015M (GRO	등					1 1						7n
Total Containers:				Corrected	Temperature:					1 801						1 1			3		Preservative None: NO DI Cool: Cool Me HCL: HC HN	
Sample Iden	tificatio	n	Date	Time	Soil	Water	Grab/ Comp	# of Cont		TPT							1					
T-3 (2')		12/8/2021		Х		G	1	Х	Х	Х	- 1						-	-			
T-3 (3')		12/8/2021	5.5	Х		G	1	Х	Х	Х								+			
T-4 (0	-1')		12/8/2021	(4	Х	4	G	1	Х	Х	Х						-		-			
T-4 ((')		12/8/2021	0-	Х	(4)	G	1	Х	Х	х		-				-		+			
T-4 (2	2')		12/8/2021	-	Х	-	G	1	Х	Х	х						_		+			
T-4 (3')		12/8/2021		Х	19	G	1	Х	Х	X		_	+			-	-	-			
T-5 (0	1')		12/8/2021	i i	Х	-	G	1	Х	Х	х							-	-			
T-5 (*	')		12/8/2021	-	Х		G	1	Х	х	X		-	_			-					
T-5 (2	2')		12/8/2021	-	Х	-	G	1	Х	Х	Х						-	-	-			
T-5 (3	3')		12/8/2021		Х	17-1	G	1	Х	Х	Х		+									
Addito	nal Co	mments:																		1		
11000	50.	miletits.																				

Date/Time Relinquished by: (Signature) Received by: (Signature) Date/Time NICK Hast /1:31

Received by: (Signature)

Chain of Custody

Vork Order No	.Ellao	42
100 H		
		-

Project Manager:	Mika	Carmona				Bill to: (if	different										,	Nork C) udo u	Pageo Comments	of
,	13.000	Environme	ental			Company			+						- I I.						T
		radewinds														rogram: State of P	-	ן אאן	Brow	ntields LRRC Lu	perfund
						Address:									_			evel III	Пьет	T/UST TRRP L	Lovel IV D
	34.75.75	nd, TX 79 13-0263	706		F-2-1	City, Stat		labal ass							_		s: EDD		ADaP		Tevel IA
Phone:	432-0	13-0203			Email	mcamic	majornig	lobal.cor	11							Jenverable	3. LDD _	_	Abai	T Other.	
Project Name:		Hamo	n State #001			Around		Pres.					ANA	LYSIS	REQU	EST				Preservative C	Codes
Project Number:			214798		✓ Routine	Rush	1	Code												None: NO DI V	Nater: H ₂ O
Project Location		Le	a Co, NM		Due Date:	Stan	dard			_	3-1									Cool: Cool MeC	OH: Me
Sampler's Name: PO #:			NH		TAT starts the lab, if rece	day receive eived by 4:3		ž.		+ MRO)											O ₃ ; HN DH: Na
SAMPLE RECEI	PT	Tem	p Blank:	Yes No	Wet Ice:	Yes	No	Parameters	<u>a</u>	DRO	300.0									H ₃ PO ₄ : HP	
Received Intact:		Yes		Thermom				arar	802	÷ 02	de 3					- 1			НОГР	NaHSO ₄ : NABIS	
Cooler Custody Seal		2.000	No N/A	Correction				Δ.	BTEX 8021B	A (GRO	Chloride								Ĭ	Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Sea Total Containers:	als:	Yes	No N/A		ure Reading: Temperature:				=	18015M	0									Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid:	
Sample Ider	ntificati	ion	Date	Time	Soil	Water	Grab/ Comp	# of Cont		TPH										Sample Comm	nents
T-5 (4')		12/8/2021	-	Х		G	1	Х	Х	Х										
T-6 (0	-1')		12/8/2021	- 0	Х	-	G	1	Х	Х	Х										
T-6 (1')		12/8/2021		Х	-	G	1	Х	Х	Х										
T-6 (2')		12/8/2021	-	Х		G	1	Х	Х	Х	77.5									
T-6 (3')		12/8/2021	(Tiple)	Х		G	1	Х	Х	Х										
).												
								1	1					1 1							

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 Nicy Hard	122	12.8.21/1:31	2 /23		
3	Carthy Chustian	17/9/21 11:25	4		V
5			6		

Received by OCD: 6/21/2022 3:28:01 PM

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

Envirotech Analytical Laboratory

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			Logged In By:	Jessica Liesse
Email:	mcarmona@ntglobal.com	Due Date:	12/15/21	17:00 (4 day TAT)			
Chain o	f Custody (COC)						
1. Does	the sample ID match the COC?		Yes				
2. Does	the number of samples per sampling site location mat	ch the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: <u>F</u>	FedEx		
4. Was t	he COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes				
	all samples received within holding time?	•	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.					Comment	s/Resolution
Sample	Turn Around Time (TAT)	11.					
	ne COC indicate standard TAT, or Expedited TAT?		Yes				
	•		105				
Sample 7 Wes e			Voc				
	sample cooler received?		Yes				
•	, was cooler received in good condition?		Yes				
	he sample(s) received intact, i.e., not broken?		Yes				
10. Were	e custody/security seals present?		No				
11. If ye	s, were custody/security seals intact?		NA				
	the sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling	e received w/i 15	Yes				
13. If no	visible ice, record the temperature. Actual sample	temperature: 4°0	<u> </u>				
	<u>Container</u>						
	aqueous VOC samples present?		No				
	VOC samples collected in VOA Vials?		NA				
16. Is th	e 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 contain	ers collected?	Yes				
Field La	<u>ıbel</u>						
	e field sample labels filled out with the minimum info	rmation:					
	Sample ID?		Yes				
	Date/Time Collected?		Yes	<u>'</u>			
	Collectors name?		No				
	<u>Preservation</u> s the COC or field labels indicate the samples were pr	acamiad?	No				
		eserveu?	No				
	sample(s) correctly preserved? b filteration required and/or requested for dissolved m	otolo?	NA				
		iciais!	No				
	ase Sample Matrix	_					
	s the sample have more than one phase, i.e., multiphas		No				
27. If ye	s, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcont	tract Laboratory						
28. Are	samples required to get sent to a subcontract laborator	ry?	No				
29. Was	a subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	o: NA		
Client l	<u>Instruction</u>						
<u>enene</u>	<u> </u>						
							()

Date

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

KRAMER

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

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

Review your project

results through
Total Access

Have a Question?



Visit us at:

www.eurofinsus.com/Env

n/Env

Released to Imaging: 7/5/2022 10:33:51 AM

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

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

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Client: NT Global Laboratory Job ID: 880-11142-1
Project/Site: Hamon State #001 SDG: Lea, Co, NM

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Definitions/Glossary

Client: NT Global Job ID: 880-11142-1 Project/Site: Hamon State #001 SDG: Lea, Co, NM

Qualifiers

CC	$V \cap A$
u	VUA

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.

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)

ML MPN

MDC

MDL Method Detection Limit Minimum Level (Dioxin) Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

Minimum Detectable Concentration (Radiochemistry)

NEG Negative / Absent Positive / Present POS **Practical Quantitation Limit** PQL Presumptive **PRES**

Quality Control QC 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: NT Global Job ID: 880-11142-1 Project/Site: Hamon State #001 SDG: Lea, Co, NM

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

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

Lab Sample ID: 880-11142-1

Matrix: Solid

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 (DR	O) (GC)							
Analyte	•	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 Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		02/10/22 10:52	02/11/22 15:54	1
(GRO)-C6-C10									
Diesel Range Organics (Over	181		49.9		mg/Kg		02/10/22 10:52	02/11/22 15:54	1
C10-C28)									
Oll 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 Chro	omatography -	Soluble							
· ·									

Client Sample ID: BH-1 (1'-2') Lab Sample ID: 880-11142-2 Date Collected: 02/08/22 00:00 **Matrix: Solid**

3690

24.9

mg/Kg

Date Received: 02/09/22 16:23

Chloride

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

Eurofins Midland

02/15/22 21:03

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									
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 (DR	O) (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 Rang	je Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		02/10/22 10:52	02/11/22 16:15	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		02/10/22 10:52	02/11/22 16:15	1
C10-C28)									
OII 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 Chro	matography -	Soluble							
Analyte	• • •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	309	-	4.96		mg/Kg			02/15/22 21:12	

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

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
		04:	70 - 130				02/11/22 08:30	02/11/22 14:50	
4-Bromofluorobenzene (Surr)	137	S1+	10 - 130				02/11/22 00:00	022200	•
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BT	96	31+	70 - 130				02/11/22 08:30	02/11/22 14:50	
1,4-Difluorobenzene (Surr)	96 TEX Calculation	Qualifier		MDL	Unit mg/Kg	<u>D</u>			Dil Fac
1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Rar	TEX Calculation Result <0.00400 age Organics (DR	Qualifier U (GC)	70 - 130 RL 0.00400		mg/Kg	_ =	02/11/22 08:30 Prepared	02/11/22 14:50 Analyzed 02/14/22 09:32	Dil Fac
1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BT Analyte Total BTEX	TEX Calculation Result <0.00400 age Organics (DR	Qualifier U	70 - 130			<u>D</u>	02/11/22 08:30	02/11/22 14:50 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Rar	TEX Calculation Result <0.00400 age Organics (DR	Qualifier U O) (GC) Qualifier	70 - 130 RL 0.00400		mg/Kg	_ =	02/11/22 08:30 Prepared	02/11/22 14:50 Analyzed 02/14/22 09:32	Dil Fac
1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Rar Analyte	TEX Calculation Result <0.00400 age Organics (DR: Result <49.9	Qualifier U O) (GC) Qualifier U	70 - 130 RL 0.00400		mg/Kg	_ =	02/11/22 08:30 Prepared	02/11/22 14:50 Analyzed 02/14/22 09:32 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Rar Analyte Total TPH	rex Calculation Result 0.00400 age Organics (DR Result 49.9) ange Organics (D	Qualifier U O) (GC) Qualifier U	70 - 130 RL 0.00400	MDL	mg/Kg	_ =	02/11/22 08:30 Prepared	02/11/22 14:50 Analyzed 02/14/22 09:32 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Rar Analyte Total TPH Method: 8015B NM - Diesel Rar	rex Calculation Result 0.00400 age Organics (DR Result 49.9) ange Organics (D	Qualifier U O) (GC) Qualifier U RO) (GC) Qualifier	70 - 130 RL 0.00400 RL 49.9	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 02/14/22 09:32 Analyzed 02/14/22 20:20	Dil Fac

Client: NT Global Job ID: 880-11142-1 Project/Site: Hamon State #001 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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll 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-Terphenvl	86		70 - 130				02/10/22 10:52	02/11/22 16:57	1

Method: 300.0 - Anions, Ion Chrom	atography -	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')

Date Received: 02/09/22 16:23

(0 1)	
Date Collected: 02/08/22 00:00	Matrix: Solid
Data Passivad: 02/09/22 16:22	

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									
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
-					0 0			02/ 1 // 22 00:02	,
	Organics (DR	O) (GC)						02/ 1 // 22 00:02	·
Method: 8015 NM - Diesel Range	•	O) (GC) Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte	•	Qualifier	RL	MDL		<u>D</u>	Prepared		Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH	Result <50.0	Qualifier U		MDL	Unit	<u> </u>	Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang	Result <50.0	Qualifier U			Unit	D	Prepared Prepared	Analyzed	
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte	Result <50.0	Qualifier U RO) (GC) Qualifier	50.0		Unit mg/Kg			Analyzed 02/15/22 20:20	1
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	Result <50.0 ge Organics (D Result	Qualifier U RO) (GC) Qualifier	50.0		Unit mg/Kg		Prepared	Analyzed 02/15/22 20:20 Analyzed	1
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0 ge Organics (D Result	Qualifier U RO) (GC) Qualifier U	50.0		Unit mg/Kg		Prepared	Analyzed 02/15/22 20:20 Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	Qualifier U RO) (GC) Qualifier U	50.0 RL 50.0 50.0		Unit mg/Kg Unit mg/Kg		Prepared 02/10/22 10:52 02/10/22 10:52	Analyzed 02/15/22 20:20 Analyzed 02/11/22 17:17 02/11/22 17:17	Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 Ge Organics (D) Result <50.0	Qualifier U RO) (GC) Qualifier U	50.0 RL 50.0		Unit mg/Kg Unit mg/Kg		Prepared 02/10/22 10:52	Analyzed 02/15/22 20:20 Analyzed 02/11/22 17:17	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result	Qualifier U RO) (GC) Qualifier U	50.0 RL 50.0 50.0		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 02/10/22 10:52 02/10/22 10:52	Analyzed 02/15/22 20:20 Analyzed 02/11/22 17:17 02/11/22 17:17	Dil Fac

Eurofins Midland

02/11/22 17:17

Analyzed

02/15/22 21:30

02/10/22 10:52

Prepared

70 - 130

RL

4.98

MDL Unit

mg/Kg

Result Qualifier

457

Lab Sample ID: 880-11142-4

Dil Fac

Method: 300.0 - Anions, Ion Chromatography - Soluble

o-Terphenyl

Analyte

Chloride

Olicili Gallip

Client: NT Global Job ID: 880-11142-1
Project/Site: Hamon State #001 SDG: Lea, Co, NM

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

Date Collected: 02/08/22 00:00 Date Received: 02/09/22 16:23 Lab Sample ID: 880-11142-5

Matrix: Solid

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	X Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00401	IJ	0.00401		mg/Kg			02/14/22 09:32	1
- -					3 3				
Method: 8015 NM - Diesel Range Analyte	e Organics (DR		RL	MDL		D	Prepared	Analyzed	Dil Fac
: Method: 8015 NM - Diesel Range	e Organics (DR	O) (GC) Qualifier		MDL		<u>D</u>	Prepared	Analyzed 02/15/22 20:20	
Method: 8015 NM - Diesel Range Analyte	e Organics (DR) Result <50.0	O) (GC) Qualifier	RL	MDL	Unit	<u>D</u>	Prepared		
Method: 8015 NM - Diesel Range Analyte Total TPH	e Organics (DR Result <50.0	O) (GC) Qualifier	RL		Unit	D_	Prepared Prepared		1
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics	e Organics (DR Result <50.0	Qualifier U RO) (GC) Qualifier	RL		Unit mg/Kg			02/15/22 20:20	1 Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	e Organics (DR Result <50.0 ge Organics (DR Result	Qualifier U RO) (GC) Qualifier U U	RL 		Unit mg/Kg		Prepared	02/15/22 20:20 Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	e Organics (DR) Result <50.0 ge Organics (DI) Result <50.0 <50.0	Qualifier U RO) (GC) Qualifier U U U U	RL 50.0 S0.0 S0.0		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 02/10/22 10:52 02/10/22 10:52	02/15/22 20:20 Analyzed 02/11/22 17:38 02/11/22 17:38	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	e Organics (DR: Result <50.0 ge Organics (DR: Result <50.0	Qualifier U RO) (GC) Qualifier U U U U	RL 50.0		Unit mg/Kg Unit mg/Kg		Prepared 02/10/22 10:52	02/15/22 20:20 Analyzed 02/11/22 17:38	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	e Organics (DR) Result <50.0 ge Organics (DI) Result <50.0 <50.0	Qualifier U RO) (GC) Qualifier U U U U	RL 50.0 S0.0 S0.0		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 02/10/22 10:52 02/10/22 10:52	02/15/22 20:20 Analyzed 02/11/22 17:38 02/11/22 17:38	1 Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	e Organics (DR/ Result <50.0 ge Organics (DR/ Result <50.0 <p><50.0</p>	Qualifier U RO) (GC) Qualifier U U U U	RL 50.0		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 02/10/22 10:52 02/10/22 10:52 02/10/22 10:52	02/15/22 20:20 Analyzed 02/11/22 17:38 02/11/22 17:38	Dil Fac 1 1 Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	ge Organics (DR) Result 750.0 Result 750.0 750.0 750.0 750.0 750.0 750.0 750.0 760.0 </td <td>Qualifier U RO) (GC) Qualifier U U U U</td> <td>RL 50.0 S0.0 S0.0 Limits</td> <td></td> <td>Unit mg/Kg Unit mg/Kg mg/Kg</td> <td></td> <td>Prepared 02/10/22 10:52 02/10/22 10:52 02/10/22 10:52 Prepared</td> <td>02/15/22 20:20 Analyzed 02/11/22 17:38 02/11/22 17:38 02/11/22 17:38 Analyzed</td> <td>Dil Fac</td>	Qualifier U RO) (GC) Qualifier U U U U	RL 50.0 S0.0 S0.0 Limits		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 02/10/22 10:52 02/10/22 10:52 02/10/22 10:52 Prepared	02/15/22 20:20 Analyzed 02/11/22 17:38 02/11/22 17:38 02/11/22 17:38 Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	e Organics (DR) Result <50.0 ge Organics (D) Result <50.0 <50.0 <50.0 %Recovery 84 76	Qualifier U RO) (GC) Qualifier U U U U Qualifier	RL 50.0 RL 50.0 50.0 50.0 Limits 70 - 130		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 02/10/22 10:52 02/10/22 10:52 02/10/22 10:52 Prepared 02/10/22 10:52	02/15/22 20:20 Analyzed 02/11/22 17:38 02/11/22 17:38 Analyzed 02/11/22 17:38	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U RO) (GC) Qualifier U U U U Qualifier	RL 50.0 RL 50.0 50.0 50.0 Limits 70 - 130	MDL	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 02/10/22 10:52 02/10/22 10:52 02/10/22 10:52 Prepared 02/10/22 10:52	02/15/22 20:20 Analyzed 02/11/22 17:38 02/11/22 17:38 Analyzed 02/11/22 17:38	Dil Fac 1 Dil Fac 1 1 Dil Fac 1 Dil Fac 1 Dil Fac

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

Date Collected: 02/08/22 00:00

Lab Sample ID: 880-11142-6

Matrix: Solid

Date Received: 02/09/22 16:23

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

Eurofins Midland

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Client: NT Global

Project/Site: Hamon State #001

Job ID: 880-11142-1

SDG: Lea, Co, NM

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

Date Collected: 02/08/22 00:00 Date Received: 02/09/22 16:23 Lab Sample ID: 880-11142-6

Matrix: Solid

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 (DR	O) (GC)							
Analyte		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 Rang	e Organics (D	RO) (GC)							
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		02/10/22 10:52	02/11/22 17:59	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		02/10/22 10:52	02/11/22 17:59	1
C10-C28)									
Oll 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 Chro	matography -	Soluble							
Analyte	•	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

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
	0.7		70 ₋ 130				02/11/22 08:30	02/11/22 16:11	1
1,4-Difluorobenzene (Surr) Method: Total BTEX - Total BT Analyte		Qualifier		MDI	Unit	n			
Method: Total BTEX - Total BT	EX Calculation	Qualifier		MDI	Unit	n			
	EX Calculation	Qualifier U	RL 0.00401	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 02/14/22 09:32	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran	EX Calculation Result <0.00401 ge Organics (DR	U (GC)	RL		mg/Kg		Prepared	Analyzed 02/14/22 09:32	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran Analyte	EX Calculation Result <0.00401 ge Organics (DR	U	RL 0.00401	MDL	mg/Kg	<u>D</u>		Analyzed	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran	EX Calculation Result <0.00401 ge Organics (DR	U O) (GC) Qualifier	RL		mg/Kg		Prepared	Analyzed 02/14/22 09:32	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran Analyte	EX Calculation Result <0.00401 ge Organics (DRO Result <50.0	O) (GC) Qualifier U	RL 0.00401		mg/Kg		Prepared	Analyzed 02/14/22 09:32 Analyzed	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran Analyte Total TPH	Result Quantity of the property of the prop	O) (GC) Qualifier U	RL 0.00401	MDL	mg/Kg		Prepared	Analyzed 02/14/22 09:32 Analyzed	Dil Fac
Method: Total BTEX - Total BT Analyte Total BTEX Method: 8015 NM - Diesel Ran Analyte Total TPH Method: 8015B NM - Diesel Ra	Result Quantity of the property of the prop	O) (GC) Qualifier U RO) (GC) Qualifier	RL 0.00401 RL 50.0	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 02/14/22 09:32 Analyzed 02/15/22 20:20	Dil Fac

Job ID: 880-11142-1

Client: NT Global

Project/Site: Hamon State #001

SDG: Lea, Co, NM

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

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

Lab Sample ID: 880-11142-7

Matrix: Solid

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

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

Date Collected: 02/08/22 00:00

Date Received: 02/09/22 16:23

Lab Sample ID: 880-11142-8

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 02/11/22 08:30 02/11/22 16:32 mg/Kg Toluene <0.00200 U 0.00200 02/11/22 08:30 02/11/22 16:32 mg/Kg Ethylbenzene <0.00200 U 0.00200 02/11/22 08:30 02/11/22 16:32 mg/Kg 02/11/22 08:30 02/11/22 16:32 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg o-Xylene <0.00200 U 0.00200 mg/Kg 02/11/22 08:30 02/11/22 16:32 Xylenes, Total <0.00400 U 0.00400 mg/Kg 02/11/22 08:30 02/11/22 16:32

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

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

Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier MDL Dil Fac RL Unit D Prepared Analyzed Total TPH <49.9 Ū 49.9 02/15/22 20:20 mg/Kg

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL MDL Unit Prepared Analyzed Dil Fac <49.9 U 49.9 02/10/22 10:52 02/11/22 18:41 Gasoline Range Organics mg/Kg (GRO)-C6-C10 02/10/22 10:52 02/11/22 18:41 Diesel Range Organics (Over <49.9 U 49.9 mg/Kg

Oll Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 02/10/22 10:52 02/11/22 18:41 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 87 70 - 130 02/10/22 10:52 02/11/22 18:41 85 02/10/22 10:52 o-Terphenyl 70 - 130 02/11/22 18:41

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier MDL Dil Fac RL Unit Prepared Analyzed Chloride 1660 F1 24.8 02/16/22 05:04 mg/Kg

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C10-C28)

Job ID: 880-11142-1

SDG: Lea, Co, NM

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

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

Project/Site: Hamon State #001

Client: NT Global

Lab Sample ID: 880-11142-9

Matrix: Solid

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 (DR	O) (GC)							
Analyte	•	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 Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		02/10/22 10:52	02/11/22 19:02	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		02/10/22 10:52	02/11/22 19:02	1
C10-C28) OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 10:52	02/11/22 19:02	1
		Qualifier	Limits				Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifici	Lillits				02/10/22 10:52		1
	%Recovery		70 130					ロン/11/ンン 19・ロン	
Surrogate 1-Chlorooctane o-Terphenyl	%Recovery 105 100		70 - 130 70 - 130				02/10/22 10:52	02/11/22 19:02 02/11/22 19:02	-
1-Chlorooctane o-Terphenyl	105 100								-
1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chro	105 100 matography -		70 - 130				02/10/22 10:52	02/11/22 19:02	1
1-Chlorooctane	105 100 matography -	Soluble Qualifier		MDL	Unit	D			Dii

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

Date Collected: 02/08/22 00:00

Matrix: Solid

Date Received: 02/09/22 16:23

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

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Client Sample Results

Client: NT Global Job ID: 880-11142-1 Project/Site: Hamon State #001 SDG: Lea, Co, NM

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

Lab Sample ID: 880-11142-10 Date Collected: 02/08/22 00:00 Date Received: 02/09/22 16:23

Matrix: Solid

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 (DR	O) (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 Rang	e Organics (D	RO) (GC)							
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		02/10/22 10:52	02/11/22 19:23	
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		02/10/22 10:52	02/11/22 19:23	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 10:52	02/11/22 19:23	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	81		70 - 130				02/10/22 10:52	02/11/22 19:23	
o-Terphenyl	75		70 - 130				02/10/22 10:52	02/11/22 19:23	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.9		4.99		mg/Kg			02/16/22 05:51	

Surrogate Summary

Client: NT Global Job ID: 880-11142-1 Project/Site: Hamon State #001 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	
380-11142-2	BH-1 (1'-2')	133 S1+	106	
380-11142-3	BH-1 (2'-3')	137 S1+	96	
380-11142-4	BH-1 (3'-4')	131 S1+	98	
380-11142-5	BH-1 (4'-5')	140 S1+	114	
380-11142-6	BH-2 (0-1')	145 S1+	106	
380-11142-7	BH-2 (1'-2')	138 S1+	97	
380-11142-8	BH-2 (2'-3')	131 S1+	96	
380-11142-9	BH-2 (3'-4')	123	101	
380-11142-10	BH-2 (4'-5')	119	86	
LCS 880-19022/1-A	Lab Control Sample	127	108	
_CSD 880-19022/2-A	Lab Control Sample Dup	119	93	
MB 880-19022/5-A	Method Blank	120	93	
Surrogate Legend				

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
_ab 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	
380-11142-1	BH-1 (0-1')	86	82	
380-11142-2	BH-1 (1'-2')	90	87	
380-11142-3	BH-1 (2'-3')	87	86	
380-11142-4	BH-1 (3'-4')	92	83	
380-11142-5	BH-1 (4'-5')	84	76	
380-11142-6	BH-2 (0-1')	113	111	
380-11142-7	BH-2 (1'-2')	86	84	
380-11142-8	BH-2 (2'-3')	87	85	
380-11142-9	BH-2 (3'-4')	105	100	
380-11142-10	BH-2 (4'-5')	81	75	

OTPH = o-Terphenyl

Released to Imaging: 7/5/2022 10:33:51 AM

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recove
		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 Recover	ry (Acceptance Limit
		1002	OTPH2		
Lab Sample ID	Client Sample ID	(70-130)	(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 Job ID: 880-11142-1 Project/Site: Hamon State #001 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

	MB	MB							
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 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

MB MB

Surrogate	%Recovery	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

	Бріке	LCS	LUS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%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	

LCS LCS

Surrogate	%Recovery	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 Sam	ple ID: Lab	Control Sam	ple Dup
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Prep Type: Total/NA

Prep Batch: 19022

	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	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	

LCSD LCSD

Surrogate	%Recovery	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

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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	

QC Sample Results

Client: NT Global Job ID: 880-11142-1 Project/Site: Hamon State #001 SDG: Lea, Co, NM

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

Lab Sample ID: 880-11142-1 MS

Analysis Batch: 19117

Client Sample ID: BH-1 (0-1') **Matrix: Solid**

Prep Type: Total/NA Prep Batch: 19022

Sample Sample Spike MS MS %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 0.100 Ethylbenzene <0.00200 U F1 0.06501 F1 65 70 - 130 mg/Kg m-Xylene & p-Xylene <0.00401 UF1 0.200 0.1249 F1 mg/Kg 62 70 - 130 0.100 o-Xylene <0.00200 UF1 0.05856 F1 59 70 - 130 mg/Kg

MS MS

Surrogate	%Recovery Qualit	ier Limits
4-Bromofluorobenzene (Surr)	117	70 - 130
1,4-Difluorobenzene (Surr)	94	70 - 130

Lab Sample ID: 880-11142-1 MSD

Matrix: Solid

Analysis Batch: 19117

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

Prep Batch: 19022

2

Sample Sample Spike MSD MSD %Rec. RPD Result Qualifier RPD Limit Analyte babbA Result Qualifier Unit %Rec Limits Benzene <0.00200 UF1 0.0998 0.06144 F1 mg/Kg 62 70 - 130 20 35 Toluene <0.00200 UF1 0.0998 0.06072 F1 mg/Kg 61 70 - 130 10 35 Ethylbenzene U F1 0.0998 0.06368 F1 64 70 - 130 2 35 <0.00200 mg/Kg 0.200 35 m-Xylene & p-Xylene < 0.00401 UF1 0.1282 F1 mg/Kg 64 70 - 130 3

0.05999 F1

mg/Kg

0.0998

MSD MSD

<0.00200 UF1

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

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

Lab Sample ID: MB 880-19033/1-A

Matrix: Solid

o-Xylene

Analysis Batch: 19108

Client Sample ID: Method Blank

60

70 - 130

Prep Type: Total/NA

Prep Batch: 19033

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

MB MB

MB MB

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

Lab Sample ID: LCS 880-19033/2-A

Matrix: Solid

Analysis Batch: 19108

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19033

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

Lab Sample ID: LCSD 880-19033/3-A

Project/Site: Hamon State #001

Client: NT Global

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 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Solid Analysis Batch: 19108

Prep Batch: 19033

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

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19033

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

LCSD LCSD

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

Lab Sample ID: 880-11137-A-1-E MS Client Sample ID: Matrix Spike

Matrix: Solid

Matrix: Solid

Analysis Batch: 19108

Analysis Batch: 19108

Prep Type: Total/NA

Prep Batch: 19033

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

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	77		70 - 130
o-Terphenyl	78		70 - 130

Lab Sample ID: 880-11137-A-1-F MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 19108

Prep Type: Total/NA

Prep Batch: 19033

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<50.0	U F2	998	1101	F2	mg/Kg		108	70 - 130	24	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<50.0	U	998	1046		mg/Kg		105	70 - 130	11	20
C10-C28)											

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	78		70 - 130

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Client Sample ID: Matrix Spike Duplicate

Client Sample ID: Matrix Spike Duplicate

Client Sample ID: Method Blank

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike

Client: NT Global Job ID: 880-11142-1 Project/Site: Hamon State #001 SDG: Lea, Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-19064/1-A

Matrix: Solid

Analysis Batch: 19435

MB MB

Analyte Result Qualifier RLMDL Unit D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 mg/Kg 02/15/22 17:31

Lab Sample ID: LCS 880-19064/2-A

Matrix: Solid

Analysis Batch: 19435

Spike LCS LCS %Rec. Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 255.9 mg/Kg 102 90 - 110

Lab Sample ID: LCSD 880-19064/3-A

Matrix: Solid

Analysis Batch: 19435

LCSD LCSD RPD Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 255.3 250 mg/Kg 102 90 - 110

Lab Sample ID: 880-11100-A-10-D MS

Matrix: Solid

Analysis Batch: 19435

MS MS Spike %Rec. Sample Sample Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits Chloride 3980 1240 5341 110 90 - 110 mg/Kg

Lab Sample ID: 880-11100-A-10-E MSD

Matrix: Solid

Analysis Batch: 19435

Sample Sample Spike MSD MSD %Rec. RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 1240 Chloride 3980 5334 mg/Kg 109 90 - 110

Lab Sample ID: 880-11137-A-2-F MS

Matrix: Solid

Analysis Batch: 19435

Sample Sample Spike MS MS %Rec. Result Qualifier Added Analyte Result Qualifier Unit %Rec Limits Chloride 372 249 620.6 mg/Kg 100 90 - 110

Lab Sample ID: 880-11137-A-2-G MSD

Matrix: Solid

Analysis Batch: 19435

MSD MSD %Rec. RPD Sample Sample Spike Result Qualifier Added Result Qualifier Limits RPD Limit Analyte Unit D %Rec Chloride 372 249 635.1 mg/Kg 106 90 - 110

Lab Sample ID: MB 880-19065/1-A

Released to Imaging: 7/5/2022 10:33:51 AM

Matrix: Solid

Analysis Batch: 19436

мв мв

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride <5.00 5.00 mg/Kg 02/16/22 04:28

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

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

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

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

QC Sample Results

Client: NT Global Job ID: 880-11142-1 Project/Site: Hamon State #001 SDG: Lea, Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-19065/2-A

Matrix: Solid

Analysis Batch: 19436

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 259.4 mg/Kg 104 90 - 110

Lab Sample ID: LCSD 880-19065/3-A

Matrix: Solid

Analysis Batch: 19436

Spike LCSD LCSD %Rec. RPD Added Limits Limit Analyte Result Qualifier Unit D %Rec RPD Chloride 250 256.9 mg/Kg 103 90 - 110

Lab Sample ID: 880-11142-8 MS

Matrix: Solid

Analysis Batch: 19436

MS MS %Rec. Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 1660 F1 1240 3266 F1 90 - 110 mg/Kg 130

Lab Sample ID: 880-11142-8 MSD

Matrix: Solid

Analysis Batch: 19436

MSD MSD RPD Sample Sample Spike %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec RPD Limit Limits 1240 Chloride 1660 F1 3156 F1 121 90 - 110 20 mg/Kg

Client: NT Global Job ID: 880-11142-1 Project/Site: Hamon State #001 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	

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	

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 Batcl
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

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Client: NT Global Job ID: 880-11142-1
Project/Site: Hamon State #001 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

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Client: NT Global

Project/Site: Hamon State #001

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

Lab Sample ID: 880-11142-1

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

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

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number 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 19331 02/14/22 09:32 KL XEN MID Total/NA Analysis 8015 NM 1 19517 02/15/22 20:20 AJ XEN MID 10 mL 19033 02/10/22 10:52 XEN MID Total/NA 8015NM Prep 10.02 g DM Prep Total/NA Analysis 8015B NM 19108 02/11/22 15:54 ΑJ XEN MID 5.03 g 50 mL 19064 02/10/22 15:36 XEN MID Soluble Leach DI Leach СН Soluble Analysis 300.0 5 19435 02/15/22 21:03 СН XEN MID

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

Dil Initial Final Batch Batch Batch Prepared Prep Type Туре Method Factor Amount Amount Number or Analyzed Analyst Lab Run Total/NA Prep 5035 5.03 g 5 mL 19022 02/11/22 08:30 KL XEN MID 8021B Total/NA Analysis 1 5 mL 5 mL 19117 02/11/22 14:29 KL XEN MID Total/NA Total BTEX 02/14/22 09:32 Analysis 19331 ΚI XEN MID 1 Total/NA Analysis 8015 NM 19517 02/15/22 20:20 XEN MID Total/NA 8015NM Prep 10.02 g 19033 02/10/22 10:52 DM XEN MID Prep 10 mL Total/NA Analysis 8015B NM 19108 02/11/22 16:15 AJ XEN MID Soluble DI Leach 5.04 g 50 mL 19064 02/10/22 15:36 CH **XEN MID** Leach Soluble Analysis 300.0 1 19435 02/15/22 21:12 СН XEN MID

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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')

Date Collected: 02/08/22 00:00

Date Received: 02/09/22 16:23

Lab Sample ID: 880-11142-4

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

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SDG: Lea, Co, NM

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

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

Project/Site: Hamon State #001

Client: NT Global

Lab Sample ID: 880-11142-4

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	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

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

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	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 Date Collected: 02/08/22 00:00

Date Received: 02/09/22 16:23

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Lab Sample ID: 880-11142-7 Client Sample ID: BH-2 (1'-2')

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

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.01 g	10 mL	19033 19108	02/10/22 10:52 02/11/22 18:20	DM AJ	XEN MID XEN MID

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Matrix: Solid

Released to Imaging: 7/5/2022 10:33:51 AM

Client: NT Global

Project/Site: Hamon State #001

Job ID: 880-11142-1

SDG: Lea, Co, NM

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

Date Collected: 02/08/22 00:00 Date Received: 02/09/22 16:23 Lab Sample ID: 880-11142-7

Matrix: Solid

		Batch	Batch		Dil	Initial	Final	Batch	Prepared		
1	Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
3	Soluble	Leach	DI Leach			5 g	50 mL	19064	02/10/22 15:36	СН	XEN MID
Ŀ	Soluble	Analysis	300.0		5			19435	02/15/22 21:56	CH	XEN MID

Lab Sample ID: 880-11142-8

Matrix: Solid

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

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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')

Date Collected: 02/08/22 00:00

Date Received: 02/09/22 16:23

Lab Sample ID: 880-11142-9

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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')

Date Collected: 02/08/22 00:00

Date Received: 02/09/22 16:23

02/16/22 05:39	CH	XEN MID
Lab Sample	e ID: 8	880-11142-10
		Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

SDG: Lea, Co, NM

Job ID: 880-11142-1

Laboratory References:

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

Accreditation/Certification Summary

Client: NT Global Job ID: 880-11142-1
Project/Site: Hamon State #001 SDG: Lea, Co, NM

Laboratory: Eurofins Midland

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

Authority	F	Program	Identification Number	Expiration Date
Texas		NELAP	T104704400-21-22	06-30-22
The following analytes the agency does not of	• •	but the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for which
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

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Method Summary

Client: NT Global

Project/Site: 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 Calculation Total BTEX 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 SW846 XEN MID Closed System Purge and Trap 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

Eurofins Midland

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Sample Summary

Client: NT Global

Project/Site: Hamon State #001

Job ID: 880-11142-1

300 ID. 000-111 4 2-1	
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

	rdan Banko			Dill to: /if differen	*							Work	Order	Work Order Comments	
Company Name: NT	NTG Environmental			Company Name	Đị S					Progr	am: UST/	Program: UST/PST PRP		_で	uperfund [
	701 Tradewinds BLVD			Address:						State	State of Project:	i.			
te ZIP:	Midland, TX 79706			City, State ZIP:						Repor	ting:Level	Reporting:Level II Level III PST/UST	⊪ B	☐ RRP	Level IV
	432-813-0263		Email:	NTG Midland						Delive	Deliverables: EDD		ADaPT 🗆	T Other:	
Project Name:	Hamon State #001	#001	Turr	Turn Around					ANALYSIS REQUEST	QUEST				Preservative Codes	odes
Project Number:	214798	ω	✓ Routine	Rush	Pres. Code									None: NO DI V	DI Water: H ₂ O
Project Location	Lea Co, NM	M	Due Date:	Standard)							Cool: Cool MeC	МеОН: Ме
Sampler's Name:	WH/DW	V	TAT starts the	TAT starts the day received by the	he		/IRO								HNO ₃ : HN
PO #:			lab, if rece	lab, if received by 4:30pm	L) + N	_						H ₂ S0 ₄ : H ₂ NaC	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes	No Wet Ice:	(res) No	nete	1B	DRC	00.0)	H₃PO₄: HP	
Received Intact:	Yes No	Therr	Thermometer ID:	THE C	araı	802	*************************************	de 3			-		OLD	NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes No	Corre	Correction Factor:		P	TEX	(GF	lori		_			Н	Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes No (Temp	Temperature Reading:	6.2		Е	15M	CI						Zn Acetate+NaOH: Zn)
Total Containers:		Corre	Corrected Temperature:	6.3			H 80°	_						NaOH+Ascorbic Acid: SAPC	SAPC
Sample Identification	ation Date	ate Time	ne Soil	Water Comp	b/ # of np Cont		TP							Sample Comments	nents
BH-1 (0-1')	2/8/2022	2022	×	9	1	×	×	×						10p	
BH-1 (1'-2')) 2/8/2022	2022	×	9	1	×	×	×							
BH-1 (2'-3')	2/8/2022	2022	×	9	1	×	×	×							
BH-1 (3'-4')	2/8/2022	2022	×	G	1	×	×	×					-		
BH-1 (4'-5')	2/8/2022	2022	×	9		×	×	×							
BH-2 (0-1')	2/8/2022	2022	×	9	1	×	×	×							
BH-2 (1'-2')	2/8/2022	2022	×	9	1	×	×	×		_			-		
BH-2 (2'-3')	2/8/2022	2022	×	G	1	×	×	×							
BH-2 (3'-4')	2/8/2022	2022	×	G	1	×	×	×							
BH-2 (4'-5')	2/8/2022	2022	×	G		×	×	×							
Additoinal	Additoinal Comments:														
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractor 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 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	ment and relinquishment e only for the cost of sam of \$85.00 will be applied	of samples cor	stitutes a valid purcha: lot assume any respon: and a charge of \$5 for e	se order from clier sibility for any los: each sample subm	it company to) ses or expense: itted to Xenco,	(enco, its s incurre but not a	affiliate d by the inalyzed	es and sub client if su l. These te	and subcontractors. It assigns standard terms and conditions lient if such losses are due to circumstances beyond the control These terms will be enforced unless previously negotiated.	ard terms an tances beyo reviously ne	nd condition nd the cont gotiated.	18 rol			
Relinquished by: (Signature)	ignature) ()	Rec	Received by: (Signature)	ıre)		Date/Time	ime		Relinquished by: (Signature)	ature)	Re	Received by: (Signature)	(Signati	ıre) Date/Time	Time
· WICK Ha	Hart	THE O	3	0	2/9/	22	نها ا	23							
ω					-			4							
O.								6						Revised Date 05012020 Rev. 2020.1	2020 Rev. 2020.1

880-1114		
880-11142 Chain of Custody		
Custody		

Page

of __1_

2/16/2022

Login Sample Receipt Checklist

Client: NT Global Job Number: 880-11142-1 SDG Number: Lea, Co, NM

Login Number: 11142 List Source: Eurofins Midland

List Number: 1

Creator: Rodriguez, Leticia

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	

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

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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:	OGRID:
Catena Resources Operating, LLC	328449
1001 Fannin Street	Action Number:
Houston, TX 77002	119270
	Action Type:
	[C-141] Release Corrective Action (C-141)

COMMENTS

Created By		Comment Date
jharimon	Initial, Site assessment and Remediation,	6/21/2022

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

CONDITIONS

Action 119270

CONDITIONS

Operator:	OGRID:
Catena Resources Operating, LLC	328449
1001 Fannin Street	Action Number:
Houston, TX 77002	119270
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created Bv	Condition	Condition
БУ		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