

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	NAPP2225141826
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party CAZA OPERATING, LLC	OGRID
Contact Name Tony B. Sam	Contact Telephone 432-556-6708
Contact email tsam@cazapetrol.com	Incident # (assigned by OCD) NAPP2225141826
Contact mailing address 200 N. Loraine St. Suite 1550 Midland TX, 79701	

Location of Release Source

Latitude 32.289345 Longitude -104.170424
(NAD 83 in decimal degrees to 5 decimal places)

Site Name FOREHAND 22 FED COM 6H	Site Type GAS
Date Release Discovered 09/07/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
I	22	23S	27E	Eddy

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name:)

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 2	Volume Recovered (bbls) 2
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 8	Volume Recovered (bbls) 8
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
Equipment Failure

Form C-141

State of New Mexico
Oil Conservation Division

Page 2

Incident ID	NAPP2225141826
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Kellan Smith</u>	Title: <u>Staff Scientist</u>
Signature: <u></u>	Date: <u>4/17/23</u>
email: <u>ksmith@ntglobal.com</u>	Telephone: <u>(580) 682-1889</u>
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>04/17/2023</u>

***** LIQUID SPILLS - VOLUME CALCULATIONS *****

Location of spill: Forehand Ranch 22 Fed Com 6H

Date of Spill: 7-Sep-2022

If the leak/spill is associated with production equipment, i.e. - wellhead, stuffing box,
flowline, tank battery, production vessel, transfer pump, or storage tank place an "X" here: ☒

Input Data:

If spill volumes from measurement, i.e. metering, tank volumes, etc. are known enter the volumes here: OIL: 2.0 BBL WATER: 8.0 BBL

If "known" spill volumes are given, input data for the following "Area Calculations" is optional. The above will override the calculated volumes.

Total Area Calculations							Standing Liquid Calculations						
Total Surface Area		width	length	wet soil			Standing Liquid Area		width	length	liquid		
				depth	oil (%)	depth					oil (%)		
Rectangle Area #1	55 ft	65 ft	X	1.50 in	20%		Rectangle Area #1	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #2	0 ft	X	80 ft	X	0 in	0%	Rectangle Area #2	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #3	0 ft	X	80 ft	X	0 in	0%	Rectangle Area #3	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #4	0 ft	X	80 ft	X	0 in	0%	Rectangle Area #4	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #5	0 ft	X	80 ft	X	0 in	0%	Rectangle Area #5	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #6	0 ft	X	80 ft	X	0 in	0%	Rectangle Area #6	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #7	0 ft	X	80 ft	X	0 in	0%	Rectangle Area #7	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #8	0 ft	X	80 ft	X	0 in	0%	Rectangle Area #8	0 ft	X	0 ft	X	0 in	0%

okay

production system leak - DAILY PRODUCTION DATA REQUIRED

Average Daily Production: Oil 0 BBL Water 0 BBL 0 Gas (MCFD)

Total Hydrocarbon Content in gas: 0% (percentage)

Did leak occur before the separator?: ☒ YES ☒ N/A (place an "X")

H2S Content in Produced Gas: 0 PPM

H2S Content in Tank Vapors: 0 PPM

Amount of Free Liquid Recovered: 0 BBL okay

Percentage of Oil in Free Liquid Recovered: 0% (percentage)

Liquid holding factor *: 0.14 gal per gal

Use the following when the spill wets the grains of the soil.

* Sand = 0.08 gallon (gal.) liquid per gal. volume of soil.

* Gravelly (caliche) loam = 0.14 gal. liquid per gal. volume of soil.

* Sandy clay loam soil = 0.14 gal liquid per gal. volume of soil.

* Clay loam = 0.16 gal. liquid per gal. volume of soil.

Use the following when the liquid completely fills the pore space of the soil;

Occurs when the spill soaked soil is contained by barriers, natural (or not).

* Clay loam = 0.20 gal. liquid per gal. volume of soil.

* Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil.

* Sandy loam = 0.5 gal. liquid per gal. volume of soil.

Total Solid/Liquid Volume: 3,575 sq. ft. 358 cu. ft. 89 cu. ft.			Total Free Liquid Volume: sq. ft. cu. ft. cu. ft.		
Estimated Volumes Spilled			Estimated Production Volumes Lost		
Liquid in Soil: 8.9 BBL 2.2 BBL			Estimated Production Spilled: 8.0 BBL 2.0 BBL		
Free Liquid: 0.0 BBL 0.0 BBL			Estimated Surface Damage		
Totals: 8.9 BBL 2.2 BBL			Surface Area: 3,575 sq. ft.		
Total Liquid Spill Liquid: 8.0 BBL 2.00 BBL			Surface Area: .0821 acre		
Recovered Volumes			Estimated Weights, and Volumes		
Estimated oil recovered: BBL check - okay			Saturated Soil = 50,050 lbs 447 cu. ft. 17 cu. yds.		
Estimated water recovered: BBL check - okay			Total Liquid = 10 BBL 420 gallon 3,494 lbs		
Air Emission from flowline leaks:			Air Emission of Reporting Requirements:		
Volume of oil spill: - BBL			New Mexico Texas		
Separator gas calculated: - MCF			HC gas release reportable? NO NO		
Separator gas released: - MCF			H2S release reportable? NO NO		
Gas released from oil: - lb					
H2S released: - lb					
Total HC gas released: - lb					
Total HC gas released: - MCF					

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

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

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

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 208436

CONDITIONS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 208436
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	4/17/2023

209 W McKay St.
Carlsbad, New Mexico 88220
Tel. 432.701.2159
www.ntglobal.com



May 15, 2024

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

Re: Closure Report and Deferral Request
Caza Operating, L.L.C.
Forehand 22 Fed Com #006H
Unit I, S22, 23S, 27E
Site Coordinates: 32.289345, -104.170424
Eddy County, New Mexico
Incident ID: nAPP2225141826

Introduction

Mr. Bratcher:

New Tech Global Environmental, LLC (NTGE), on behalf of Caza Operating, LLC (Caza) is pleased to provide this workplan to conduct remedial action activities at the Forehand Ranch 22 Federal Com #006 (Site) release location in Eddy County, New Mexico (Figures 1 and 2).

Background

Based on the initial C-141 submitted by Caza and obtained by the New Mexico Oil Conservation District (NMOCD), the release was discovered on September 7th, 2022. The release was a result of equipment failure, resulting in the release of 2 barrels (bbls) of crude oil of which 2 bbls were recovered and 8 bbls of produced water of which 8 bbls were recovered. Upon discovery, the well was shut-in, and the area was secured. The initial C-141 is attached.

Groundwater and Site Characterization

Based on a review of the New Mexico Office of State Engineers and USGS databases, there are three known water sources within a ½-mile radius of the Site, and the site is located within a high karst area. The nearest identified ground water determination bore is located 0.31 miles Northeast of the Site in Sec 28 T23S R27E. The bore was drilled in 2011 with a reported depth to groundwater of 122 feet below ground surface (ft bgs). A copy of the site characterization information and the associated USGS summary report is attached.

General Site Characterization and Groundwater:

Site Characterization	Average Groundwater Depth (ft)
No Receptors Found	122 ft bgs

Table 3.1 Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29.12 & 19.15.29.13)

Regulatory Standard	Chloride	TPH (GRO+DRO+MR)	TPH (GRO+MRO)	BTEX	Benzene
19.15.29.13 Restoration, Reclamation and Re-Vegetation (Impacted Area 0-4 Feet)	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
19.15.29.12 NMAC Table I Closure Criteria for Soils Impacted by a Release	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
Notes: --- = not defined					

Site Assessment Activities

Site assessment activities were conducted over two events to fully characterize and delineate the extent of impacts resulting from the release. Soil samples were collected from the Site using a geotechnical hand auger or directly from the bucket of a backhoe and submitted to an accredited laboratory for chemical analysis. Soil samples were field screened for volatile organic compounds (VOCs) and chlorides.

All soil samples were analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (EPA method 300.0/SM 4500Cl⁻B). The combined analytical results of the Site assessment activities are provided in Table 1. Soil sample locations are shown in Figure 3. Laboratory reports containing analytical methods and chain-of-custody documents are attached.

A photographic log documenting Site conditions is attached. Complete details of each sampling event are further described below. Copies of NMOCD sampling notifications are attached.

Initial Assessment

On September 9th, 2022, NTG Environmental conducted site assessment activities to delineate the extent of impacts from the release horizontally and vertically. A total of three vertical test pits (i.e., S-1 through S-3) were installed to depths ranging from 0 – 6 ft bgs. Additionally, seven horizontal sample points (i.e., H-1 through H-4) were installed to a depth of 0 - 0.5 ft bgs.

Analytical results from the initial assessment activities identified elevated TPH and chloride concentrations around vertical sample points S-1 through S-3, and horizontal sample point H-2, respectively. Analytical results of all other samples were below the regulatory limits for all analytes. However, field screening results of soil in the upper 4 ft bgs across the affected area indicate soils in this interval likely exhibit concentrations above the regulatory limits.

On February 7th, 2023, NTGE conducted follow-on sampling activities to further delineate soil impacts at the Site and collect deferral samples. A total of 2 vertical deferral sample points (i.e., VD-1, VD-2) were installed to depths ranging from 7 - 7.5ft bgs. Additionally, 2 horizontal delineation sample points (i.e., SW-12A & SW-13A) were installed. Analytical results from the

follow-on assessment activities were all below the regulatory limits and indicated the TPH and chloride impacts were confined to the upper 7 ft bgs.

Excavation, Waste Management and Confirmation Sampling

Based on the Site assessment activities, Caza proceeded with remedial action activities at the Site to include the excavation and disposal of impacted soils above regulatory limits. The impacted soil was excavated to depths ranging from 2 – 5 ft bgs. Upon completion, excavation base and sidewall samples were collected to ensure impacted soil was removed. The confirmation samples were collected in accordance with the one sample per 200 ft² guideline established in the regulatory criteria. A total of twenty (20) base samples (i.e., CS-1 - CS-20) and eighteen (18) sidewall samples (i.e., SW-1 – SW-18) were collected. The excavation extent, excavation depths, and confirmation sample locations are shown on Figure 4. A total of approximately 600 cubic yards (yd³) of impacted soils were excavated and hauled to a permitted disposal facility. The confirmation samples were analyzed for BTEX 8021M, TPH 8015M, and Chloride 300.0/SM 4500Cl:B. Copies of laboratory analysis and chain-of-custody documentation are attached. The analytical results are summarized in Table 2. The analytical results of the confirmation samples identified TPH and Chloride concentrations exceeded the regulatory limit in the sample areas of SW-12, and SW-13.

Closure and Deferral Request

Caza personnel have expressed that the excavation areas cannot be expanded vertically or horizontally due to the presence of facility infrastructure (i.e., wellhead and pumpjack) around the excavation and the associated safety concerns in further encroaching the infrastructure. The infrastructure in and around the excavation is shown in Figure 5.

On behalf of Caza, NTG Environmental formally requests a deferral to address the remaining soil impacts around the well head (i.e., SW-12 and SW-13) at the time of facility decommissioning or in the event infrastructure modifications are made in the area that would alleviate the safety concerns, whichever is sooner. Should the deferral request be granted, a remedial action report documenting excavation expansion and confirmation sampling activities will be prepared and filed following completion of the further actions to be completed at a future date.

If you have any questions regarding this letter, please contact us at (432)-701-2159.

Sincerely,
NTG Environmental



Ethan Sessums
Project Manager

Encl. Figure 1 – Site Location Map
Figure 2 – Area Map
Figure 3 – Assessment Sample Location Map

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

Figure 4 – Confirmation Sampling Map

Figure 5 – Facility Infrastructure Map

Table 1 – Summary of Soil Analytical Data – Confirmation Samples

Table 2 – Summary of Soil Analytical Data – Delineation Samples

Attachment A – Site Characterization Documentation

Attachment B – Photographic Log

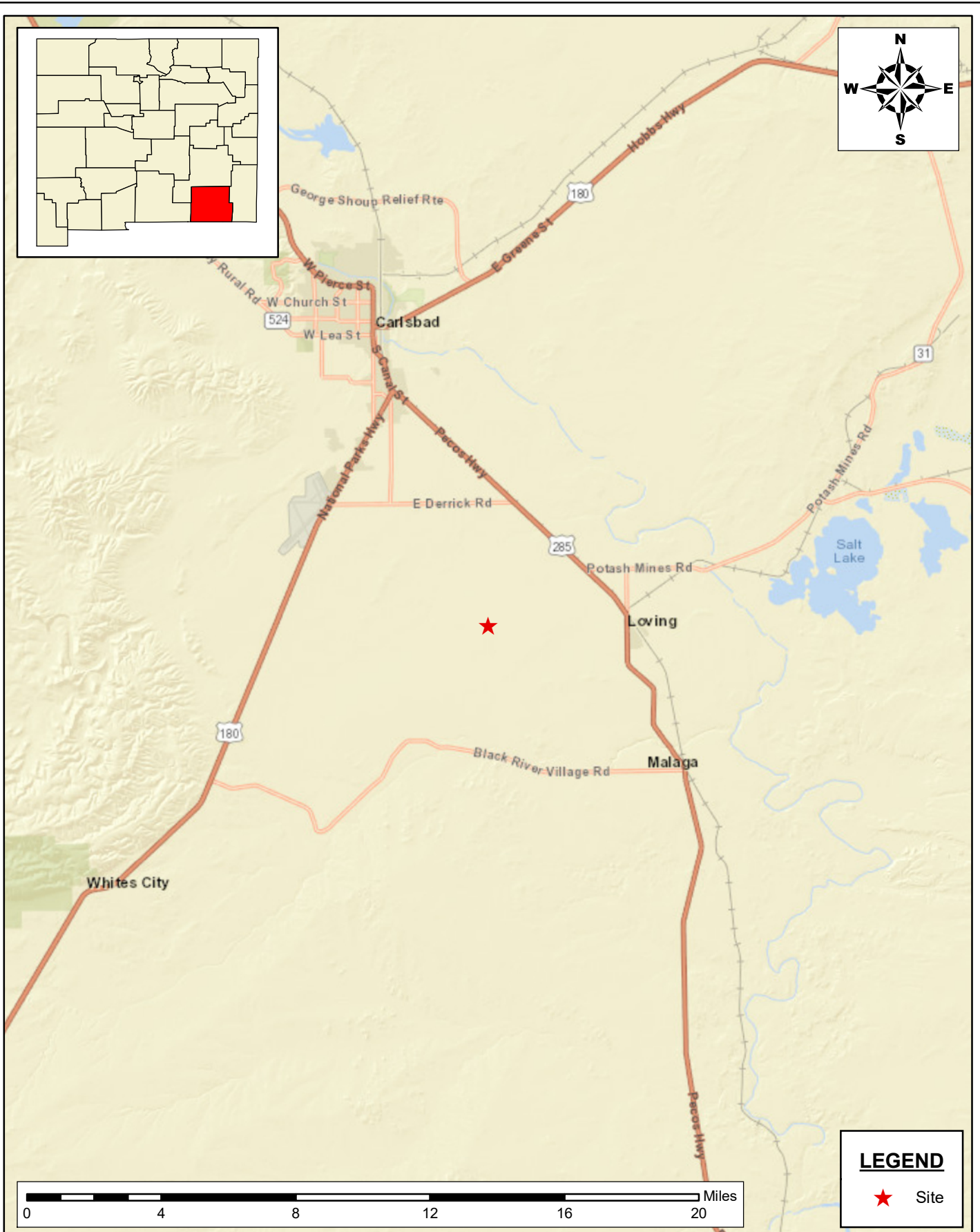
Attachment C – Confirmation Sampling Notifications

Attachment D – Laboratory Analytical Reports and Chain-of-Custody Documentation

FIGURES



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**SITE LOCATION MAP
DEFERRAL REQUEST**
FOREHAND 22 FED COM 6H
CAZA OPERATING, L.L.C.
EDDY COUNTY, NEW MEXICO

SCALE: As Shown Date: 5/1/2024 PROJECT #: 226349



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

NOTES:

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

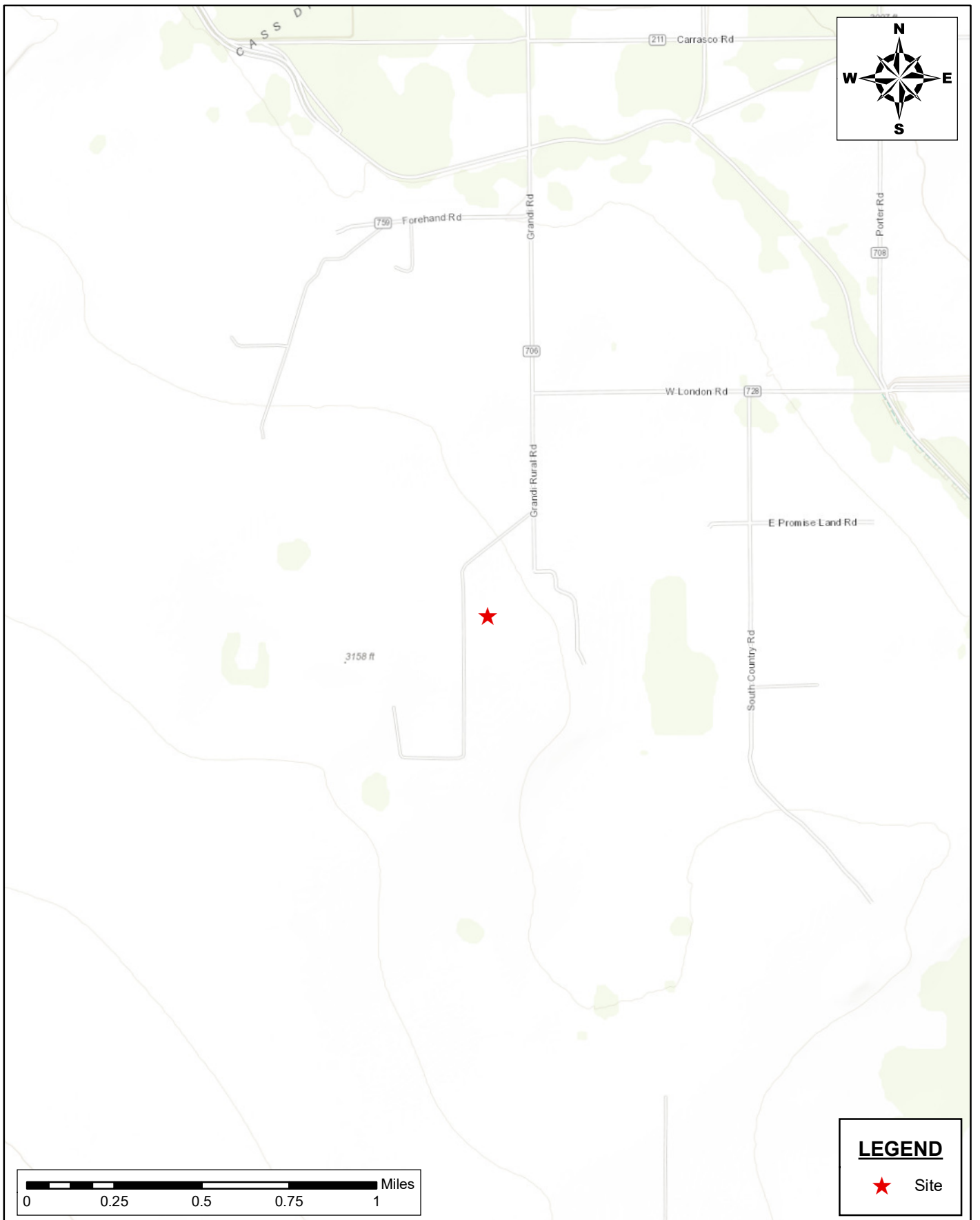
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FIGURE 1

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1 of 1

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**TOPOGRAPHIC MAP
DEFERRAL REQUEST
FOREHAND 22 FED COM 6H
CAZA OPERATING, L.L.C.
EDDY COUNTY, NEW MEXICO**

SCALE: As Shown Date: 5/1/2024 PROJECT #: 226349



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Houston, Texas 77060
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2. Map Projection: NAD 1983

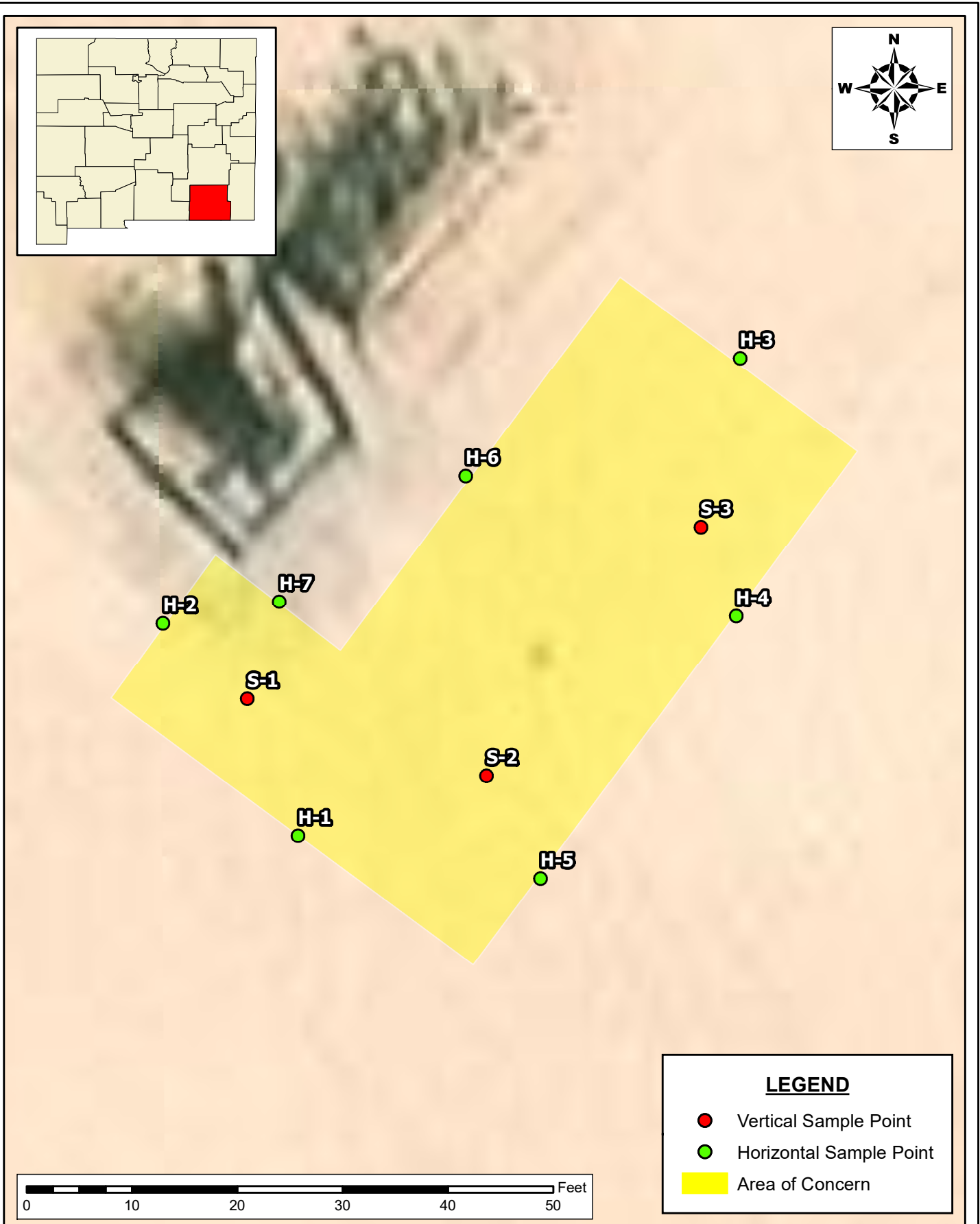
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FIGURE 2

SHEET NUMBER:

1 of 1

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**INITIAL ASSESSMENT MAP
DEFERRAL REQUEST**
FOREHAND 22 FED COM 6H
CAZA ENERGY PRODUCTION COMPANY, LLC
EDDY COUNTY, NEW MEXICO

SCALE: As Shown Date: 5/1/2024 PROJECT #: 226349

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



NOTES:

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

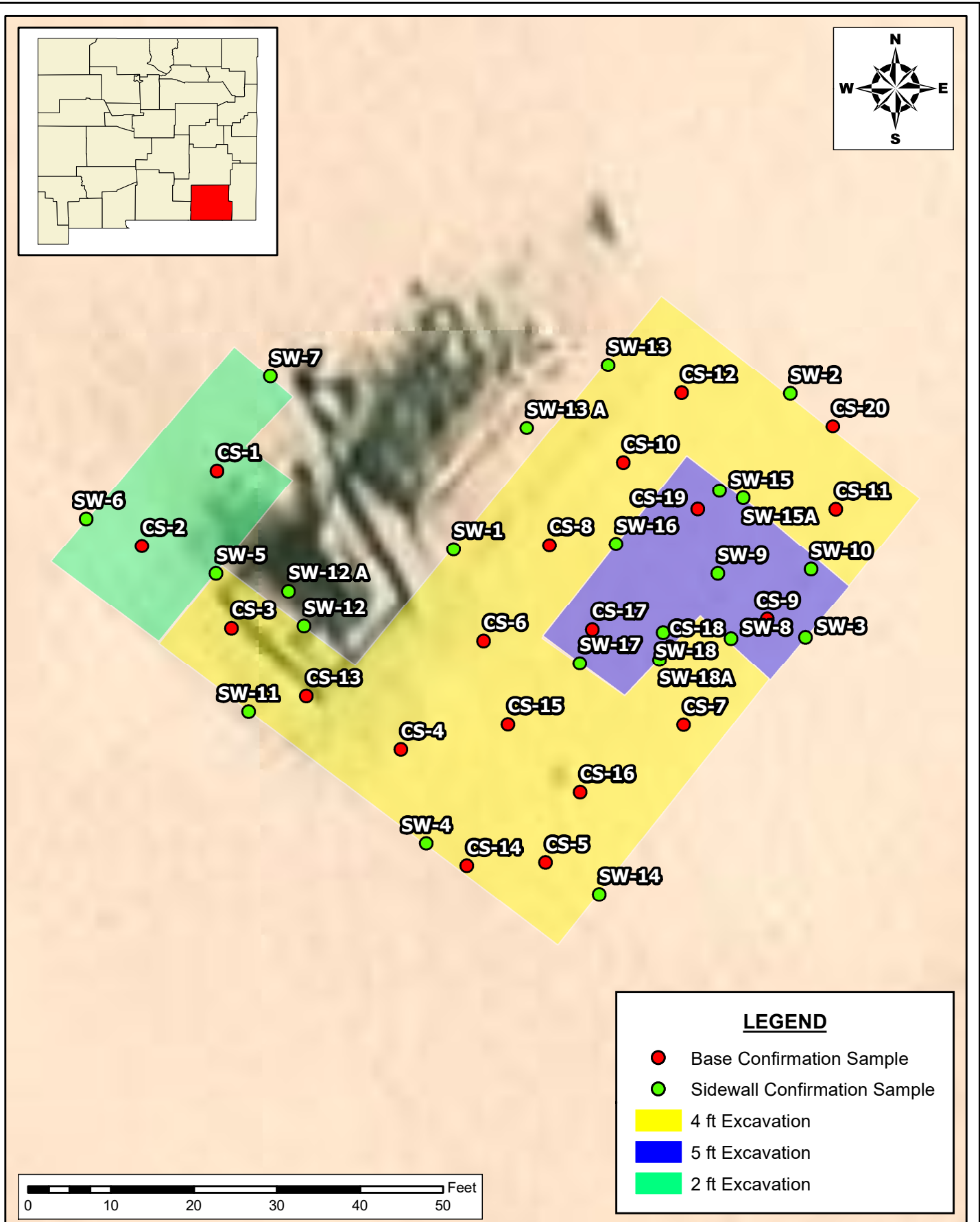
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FIGURE 3

SHEET NUMBER:

1 of 1

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**CONFIRMATION SAMPLING MAP
DEFERRAL REQUEST**
FOREHAND 22 FED COM 6H
CAZA OPERATING, LLC
EDDY COUNTY, NEW MEXICO

SCALE: As Shown

Date: 5/1/2024

PROJECT #: 226349



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

NOTES:

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

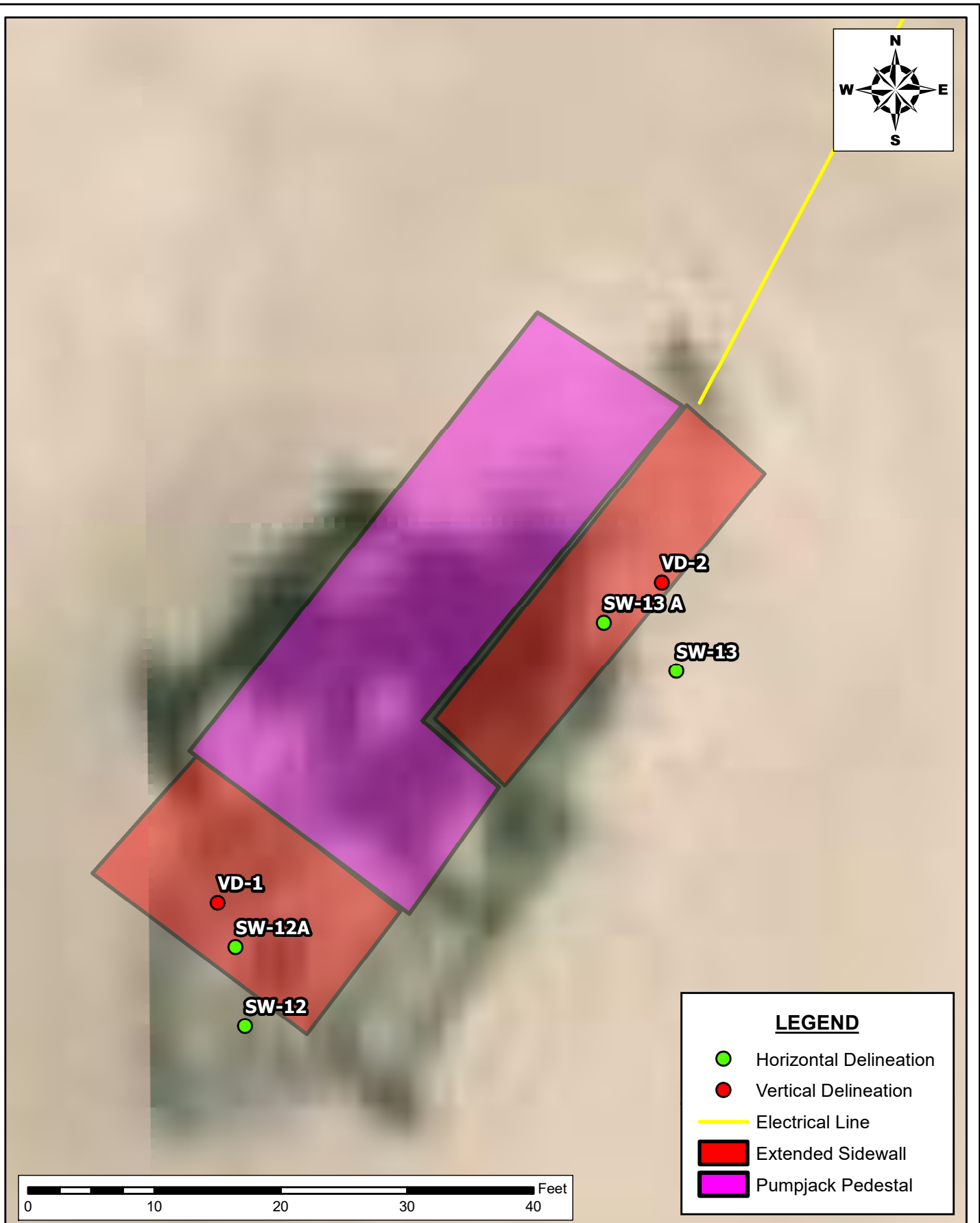
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FIGURE 4

SHEET NUMBER:

1 of 1

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DEFERRAL MAP
DEFERRAL REQUEST
 FOREHAND 22 FED COM 6H
 CAZA OPERATING, L.L.C.
 EDDY COUNTY, NEW MEXICO

SCALE: As Shown

Date: 5/1/2024

PROJECT #: 226349



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

NOTES:

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

DRAWING NUMBER:

FIGURE 5

SHEET NUMBER:

1 of 1

TABLES



Table 1
Summary of Soil Analytical Data - Delineation Samples
Forehand 22 Fed Com 6H
Caza Operating, LLC
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(C6-C10)	(C10-C28)	GRO + DRO	MRO (C28-C35)	Total GRO/DRO/MRO	
Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC													
10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg			
Horizontal Delineation Samples													
H-1	9/9/2022	0-6"	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	235
H-2	9/9/2022	0-6"	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	150	150	<49.9	150	1290
H-3	9/9/2022	0-6"	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	419
H-4	9/9/2022	0-6"	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	148
H-5	10/6/2022	0-6"	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	136
H-6	10/6/2022	0-6"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	1380
H-7	10/6/2022	0-6"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	1030
SW-12A	2/7/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
SW-13A	2/7/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
Vertical Delineation Samples													
S-1	9/9/2022	0-1'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	336	<50.0	336	<50.0	336	1310
S-1	9/9/2022	1-1.5'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	3410
S-1	9/9/2022	2-2.5'	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	1950
S-1	9/9/2022	3-3.5'	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	968
S-1	9/9/2022	4-4.5'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	504
S-2	9/9/2022	0-1'	<0.00200	0.0131	0.0282	0.351	0.392	191	710	901	<49.9	901	831
S-2	9/9/2022	1-1.5'	<0.0399	0.816	1.87	13.1	15.8	1010	1050	2060	<50.0	2060	862
S-2	9/9/2022	2-2.5'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	125	125	<49.9	125	777
S-2	9/9/2022	6'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	1000
S-3	9/9/2022	0-1'	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<50.0	60.9	60.9	<50.0	60.9	991
S-3	9/9/2022	1-1.5'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	4360
S-3	9/9/2022	2-2.5'	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	2100
S-3	9/9/2022	3-3.5'	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	1370
S-3	9/9/2022	4-4.5'	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<49.9	<49.9	<49.9	<49.9	<49.9	774
S-3	9/9/2022	5'	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	1230
VD-1	2/7/2023	7-7.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
VD-2	2/7/2023	7-7.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208

Notes:

- Values reported in mg/kg
- < = Value Less Than Reporting Limit (RL)
- Bold indicates Analyte Detected
- BTEX analyses by EPA Method SW 8021B

SP-1 Sample Point Excavated

- TPH analyses by EPA Method SW 8015 Mod.
- GRO/DRO/MRO - Gasoline/Diesel/Motor Oil

7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.

8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).

- Not Analyzed

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Forehand 22 Fed Com 6H
Caza Operating, LLC
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC													
10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg			
Confirmation Base Samples													
CS-1	11/28/2022	2'	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	40.2
CS-2	11/28/2022	2'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	67.4
CS-3	11/28/2022	4'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	25.1
CS-4	11/28/2022	4'	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	17.6
CS-5	11/28/2022	4'	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	28.2
CS-6	11/28/2022	4'	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	17
CS-7	11/28/2022	4'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	13.9
CS-8	11/28/2022	4'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	34
CS-9	11/28/2022	4'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	168	168	<49.9	168	14.1
	12/14/2022	5'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	14.5
CS-10	11/28/2022	4'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	61.1
CS-11	11/28/2022	4'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	15.6
CS-12	11/28/2022	4'	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	43.8
CS-13	1/20/2023	4'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	134
CS-14	1/20/2023	4'	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	<25.2
CS-15	1/20/2023	4'	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	117
CS-16	1/20/2023	4'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	81.5
CS-17	1/20/2023	4'	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<49.9	185	185	<49.9	185	288
	12/21/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
CS-18	1/20/2023	4'	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<50.0	60	60	<50.0	60	474
CS-19	1/20/2023	4'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	198	198	<49.9	198	889
	12/21/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
CS-20	1/20/2023	4'	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	191
Confirmation Sidewall Samples													
SW-1	11/28/2022	0-4'	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<50.0	54.2	54.2	<50.0	54.2	210
SW-2	11/28/2022	0-4'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	50.7	50.7	<49.9	50.7	387
SW-3	11/28/2022	0-5'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	97.7
SW-4	11/28/2022	0-4'	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	19.7
SW-5	11/28/2022	2-4'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	120
SW-6	11/28/2022	0-2'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	71.5
SW-7	11/28/2022	0-2'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	291
SW-8	12/14/2022	4-5'	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	6.91
SW-9	12/14/2022	4-5'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	12
SW-10	12/14/2022	4-5'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	19.6
SW-11	1/20/2023	0-4'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	58.1	58.1	<50.0	58.1	247
SW-12	1/20/2023	0-4'	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	13600

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Forehand 22 Fed Com 6H
Caza Operating, LLC
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
SW-13	1/20/2023	0-4'	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	6170
SW-14	1/20/2023	0-4'	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	311
SW-15	12/21/2023	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1010
SW-15A	2/8/2024	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SW-16	12/21/2023	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	544
SW-17	12/21/2023	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SW-18	12/21/2023	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	944
SW-18A	2/8/2024	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112

Notes:

1. Values reported in mg/kg
2. < = Value Less Than Reporting Limit (RL)
3. Bold indicates Analyte Detected
4. BTEX analyses by EPA Method SW 8021B

5. TPH analyses by EPA Method SW 8015 Mod.
6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil

7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.

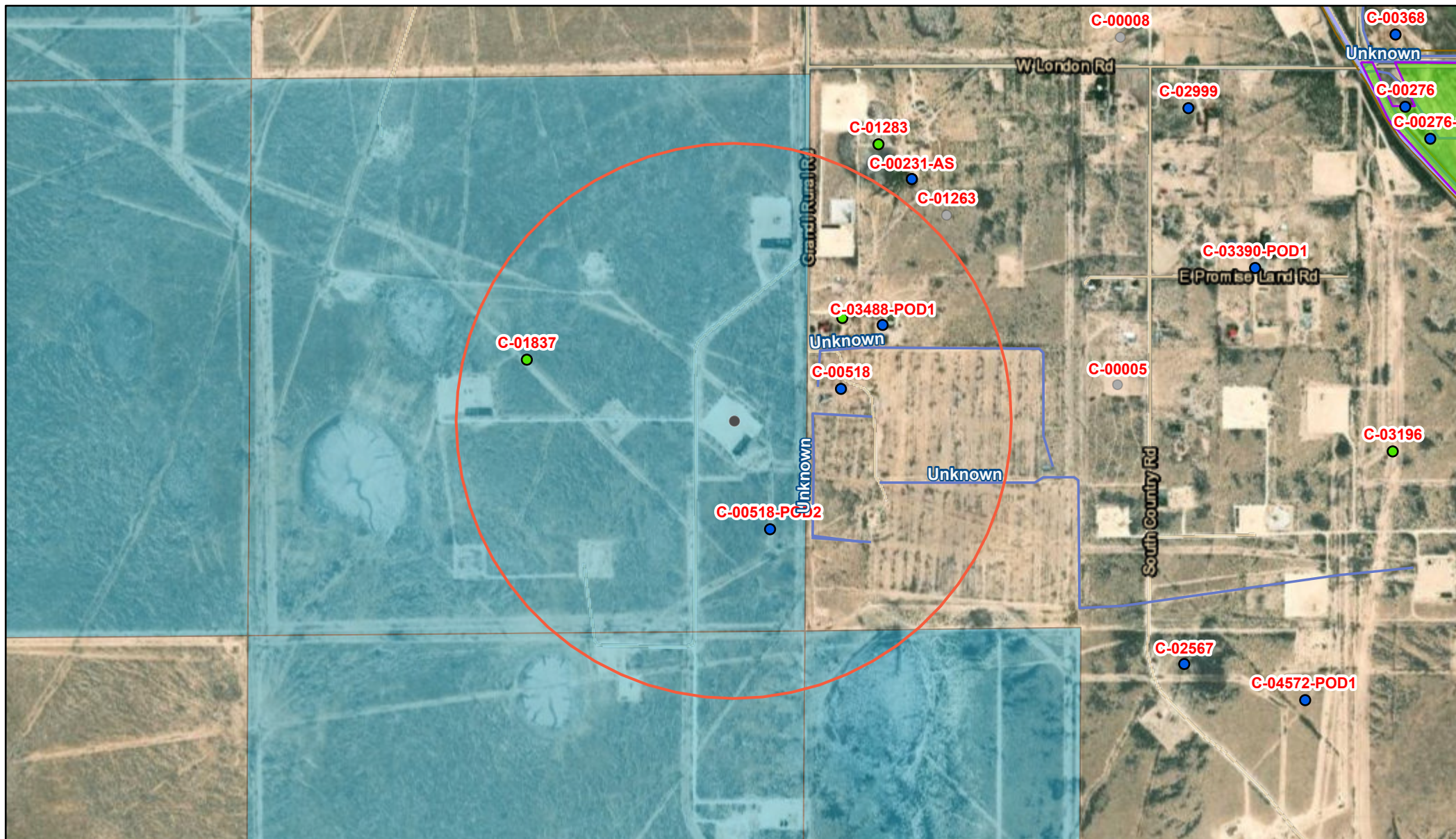
8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).

9. --- Not Analyzed

SP-1 Sample Point Excavated

ATTACHMENT A: SITE CHARACTERIZATION DOCUMENTATION

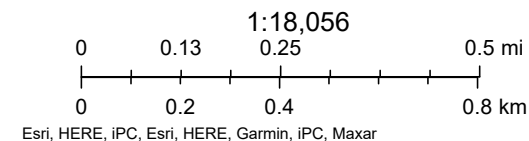
OSE POD Location Map



5/1/2024, 2:30:13 PM

- Override 1
- GIS WATERS PODs
- Active
- Pending
- OSE District Boundary
- Water Right Regulations
- Negative Easement Area

- New Mexico State Trust Lands
- Both Estates
- Conveyances
- Canal
- Ditch
- NHD Flowlines
- Canal Ditch



Karst Potential Map



5/1/2024, 2:46:51 PM

Karst Occurrence Potential

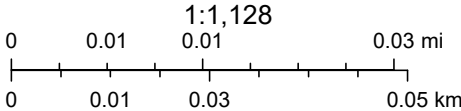
High



PLSS Second Division



PLSS First Division

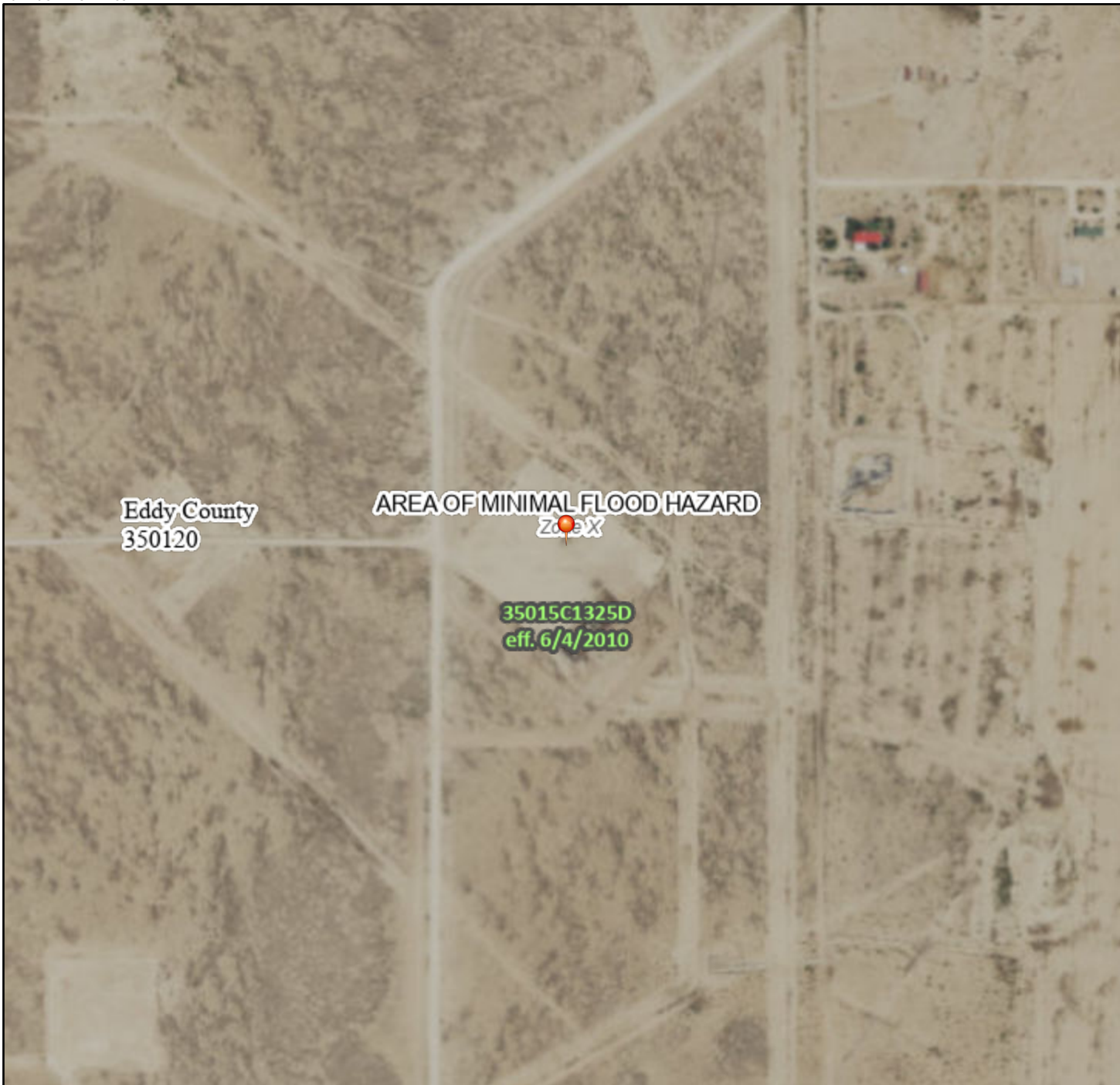


BLM, OCD, New Mexico Tech, Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community, OCD, Esri Community Maps Contributors, New Mexico State University, Texas

National Flood Hazard Layer FIRMette



104°10'37"W 32°17'35"N



1:6,000

104°9'59"W 32°17'4"N

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/1/2024 at 4:23 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



Wetland Map



May 1, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

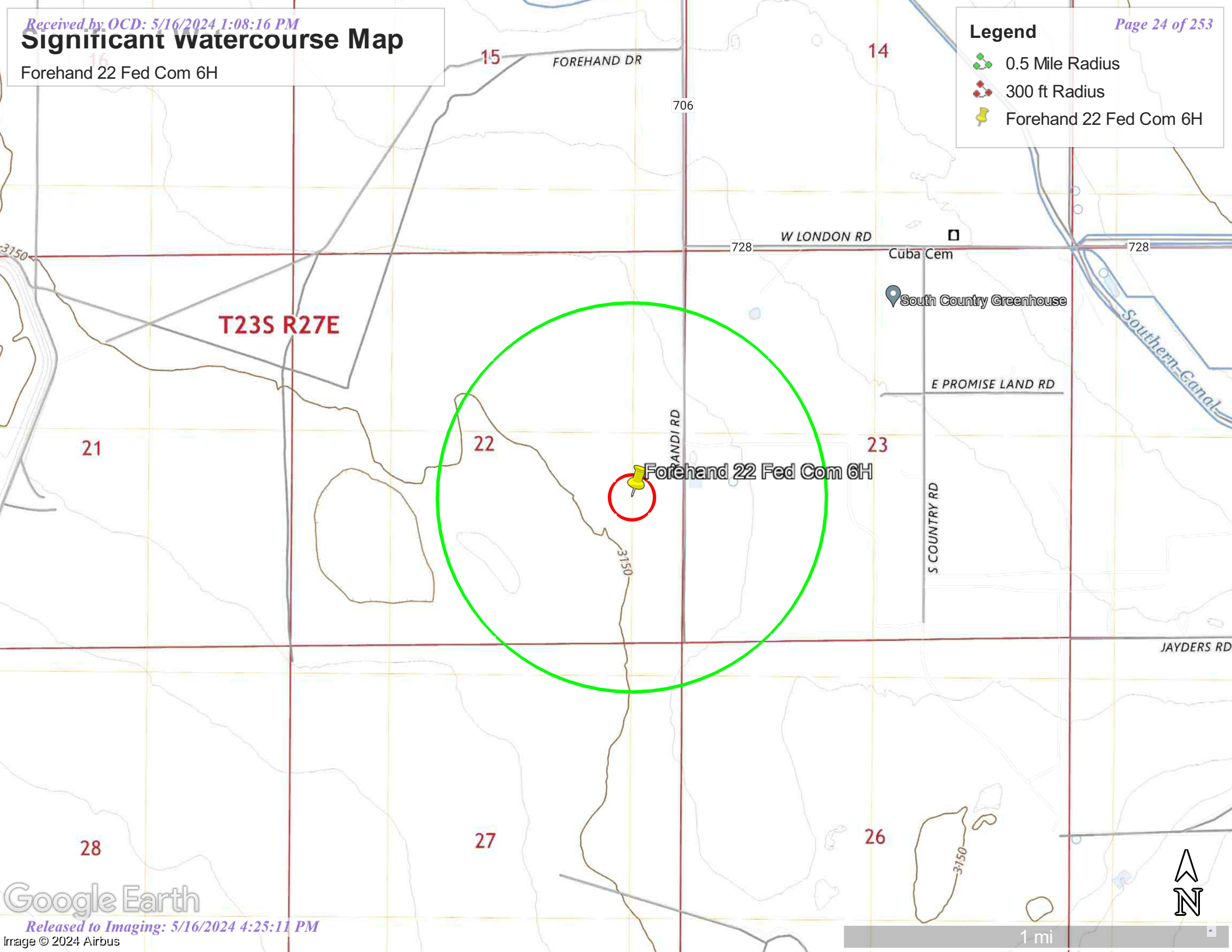
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Significant Watercourse Map

Forehand 22 Fed Com 6H

Legend


- 0.5 Mile Radius
- 300 ft Radius
- Forehand 22 Fed Com 6H





Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	03488 POD1	4	3	1	23	23S	27E	578430	3573023 

Driller License:	1348	Driller Company:	TAYLOR WATER WELL SERVICE	
Driller Name:	TAYLOR, CLINTON E.			
Drill Start Date:	05/08/2011	Drill Finish Date:	05/10/2011	Plug Date:
Log File Date:	05/31/2011	PCW Rcv Date:		Source: Shallow
Pump Type:	SUBMER	Pipe Discharge Size:		Estimated Yield: 100 GPM
Casing Size:	4.50	Depth Well:	217 feet	Depth Water: 122 feet

Water Bearing Stratifications:	Top	Bottom	Description
	202	207	Limestone/Dolomite/Chalk
	210	217	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	197	217

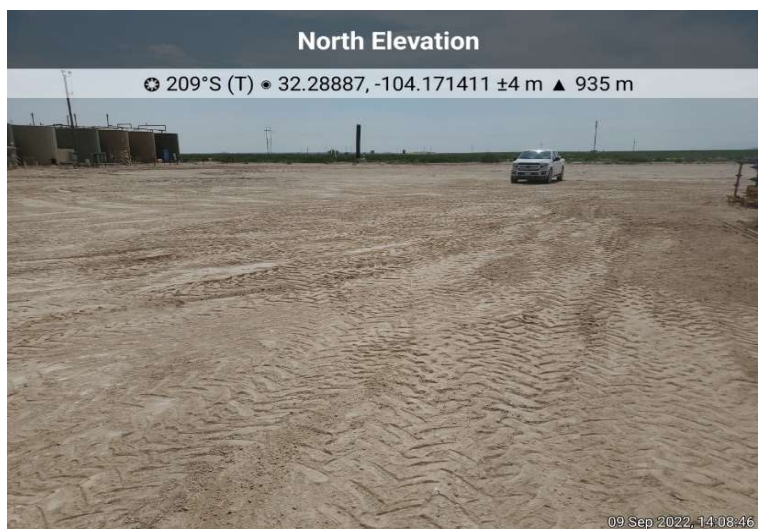
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

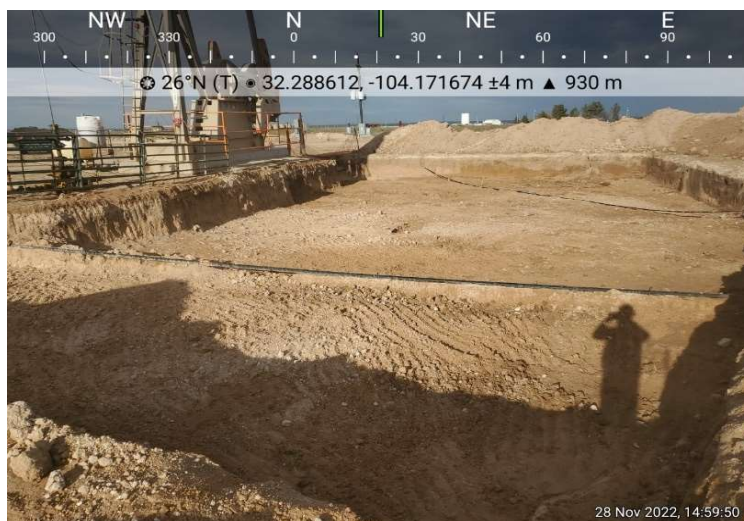
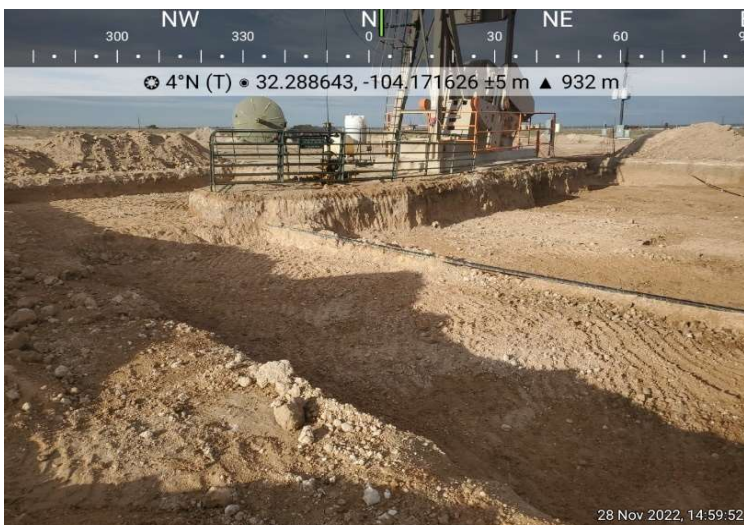
5/1/24 2:34 PM

POINT OF DIVERSION SUMMARY

ATTACHMENT B: PHOTOGRAPHIC LOG



PHOTOGRAPHIC LOG**Caza Operating, LLC
Forehand 22 Fed Com 6H****Photograph No. 1****Facility:** Forehand 22 Fed Com 6H**County:** Eddy County, New Mexico**Description:**
Area of Concern.**Photograph No. 2****Facility:** Forehand 22 Fed Com 6H**County:** Eddy County, New Mexico**Description:**
Area of Concern.**Photograph No. 3****Facility:** Forehand 22 Fed Com 6H**County:** Eddy County, New Mexico**Description:**
Area of Concern.

PHOTOGRAPHIC LOG**Caza Operating, LLC
Forehand 22 Fed Com 6H****Photograph No. 4****Facility:** Forehand 22 Fed Com 6H**County:** Eddy County, New Mexico**Description:**
Excavation Area.**Photograph No. 5****Facility:** Forehand 22 Fed Com 6H**County:** Eddy County, New Mexico**Description:**
Excavation Area.**Photograph No. 6****Facility:** Forehand 22 Fed Com 6H**County:** Eddy County, New Mexico**Description:**
Excavation Area.

PHOTOGRAPHIC LOG

Caza Operating, LLC
Forehand 22 Fed Com 6H

Photograph No. 7

Facility: Forehand 22 Fed Com 6H

County: Eddy County, New Mexico

Description:
Excavation Area.



Photograph No. 8

Facility: Forehand 22 Fed Com 6H

County: Eddy County, New Mexico

Description:
Excavation Area.



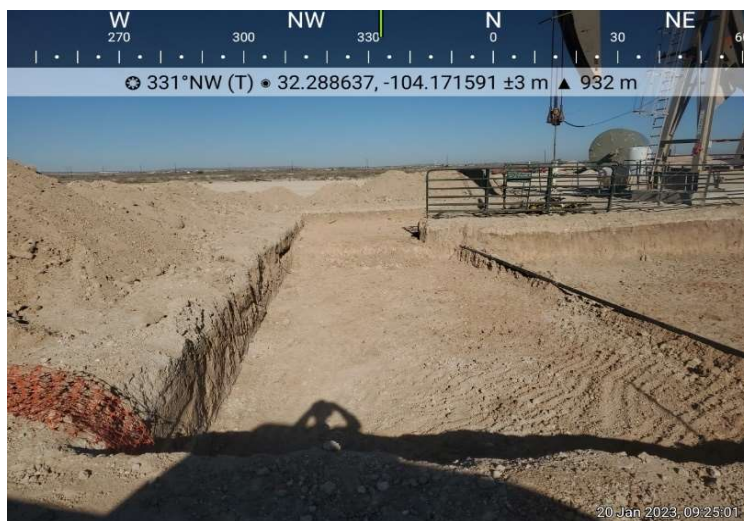
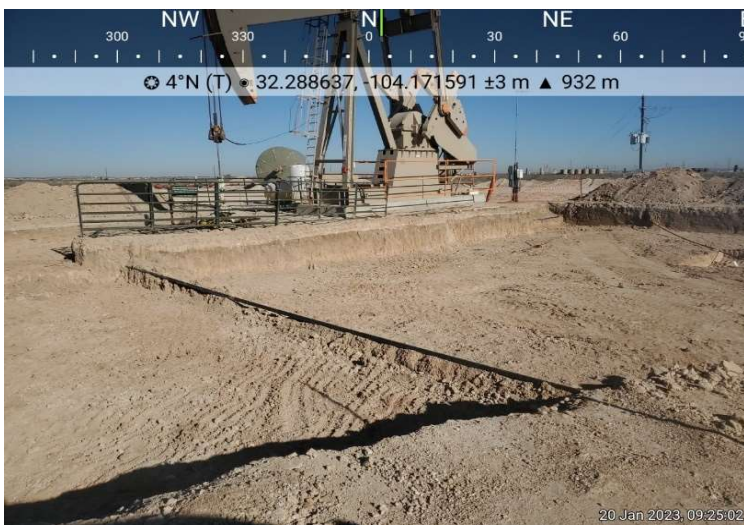
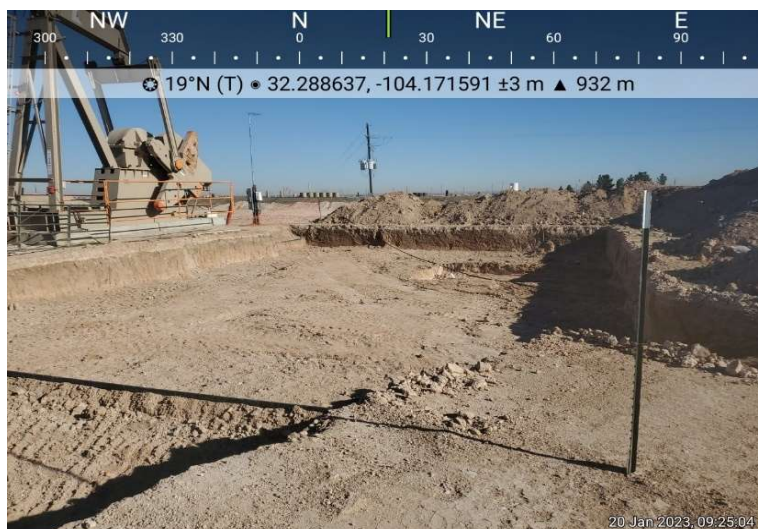
Photograph No. 9

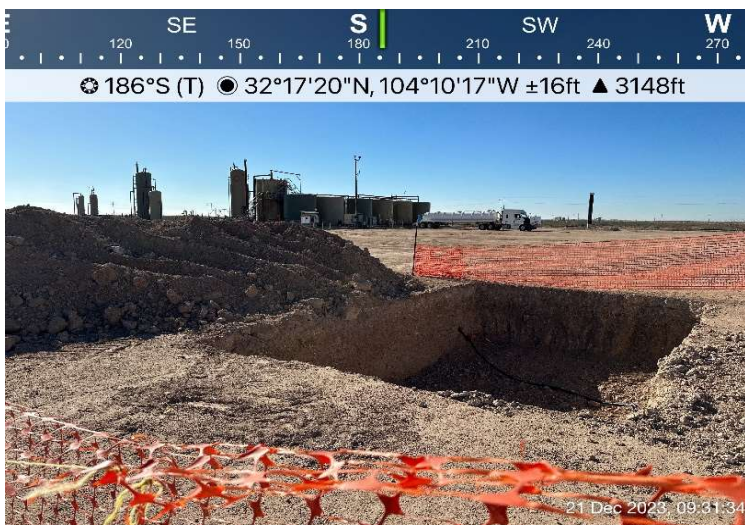
Facility: Forehand 22 Fed Com 6H

County: Eddy County, New Mexico

Description:
Excavation Area.



PHOTOGRAPHIC LOG**Caza Operating, LLC
Forehand 22 Fed Com 6H****Photograph No. 10****Facility:** Forehand 22 Fed Com 6H**County:** Eddy County, New Mexico**Description:**
Excavation Area.**Photograph No. 11****Facility:** Forehand 22 Fed Com 6H**County:** Eddy County, New Mexico**Description:**
Excavation Area.**Photograph No. 12****Facility:** Forehand 22 Fed Com 6H**County:** Eddy County, New Mexico**Description:**
Excavation Area.

PHOTOGRAPHIC LOG**Caza Operating, LLC
Forehand 22 Fed Com 6H****Photograph No. 13****Facility:** Forehand 22 Fed Com 6H**County:** Eddy County, New Mexico**Description:**
Excavation Area.**Photograph No. 14****Facility:** Forehand 22 Fed Com 6H**County:** Eddy County, New Mexico**Description:**
Excavation Area.**Photograph No. 15****Facility:** Forehand 22 Fed Com 6H**County:** Eddy County, New Mexico**Description:**
Excavation Area.

PHOTOGRAPHIC LOG**Caza Operating, LLC
Forehand 22 Fed Com 6H****Photograph No. 16****Facility:** Forehand 22 Fed Com 6H**County:** Eddy County, New Mexico**Description:**
Excavation Area.**Photograph No. 17****Facility:** Forehand 22 Fed Com 6H**County:** Eddy County, New Mexico**Description:**
Excavation Area.**Photograph No. 18****Facility:** Forehand 22 Fed Com 6H**County:** Eddy County, New Mexico**Description:**
Excavation Area.

ATTACHMENT C: CONFIRMATION SAMPLING NOTIFICATIONS



Kellan Smith

From: Ethan Sessums
Sent: Tuesday, April 18, 2023 2:46 PM
To: Kellan Smith
Subject: FW: [EXTERNAL] Sampling Notification

Ethan Sessums
Project Manager
NTG Environmental New Mexico
402 E Wood Ave, Carlsbad, NM 88220
M: 254-266-5456 W: 432-701-2159
Email: esessums@ntglobal.com
<http://www.ntgenvironmental.com/>



From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Wednesday, January 18, 2023 8:20 AM
To: Ethan Sessums <ESessums@ntglobal.com>
Cc: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Sampling Notification

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Ethan,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JH

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
<http://www.emnrd.nm.gov>



From: Ethan Sessums <ESessums@ntglobal.com>
Sent: Tuesday, January 17, 2023 9:42 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Tyler Kimball <TKimball@ntglobal.com>
Subject: [EXTERNAL] Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

NAPP2225141826 FOREHAND 22 FED COM 6H @ 30-015-43720

We will be conducting confirmation sampling at the above-mentioned location on Friday the 20th at 10am on behalf of Caza Operating.

Ethan Sessums
Project Manager
NTGE New Mexico
402 E Wood Ave, Carlsbad, NM 88220
M: (254)-266-5456 W: (432)-701-2159
Email: esessums@ntglobal.com

Air Quality Compliance | EHS Management | Environmental Due Diligence & Audits | Midstream Compliance | Regulatory Compliance & Permitting | Site Assessment, **Remediation & Site Closure** | Water Quality & Natural Resources

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ATTACHMENT D: LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION





Environment Testing America

ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-2931-1

Laboratory Sample Delivery Group: Eddy County
Client Project/Site: Forehand 22 6H

For:

NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Gordon Banks

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

Authorized for release by:

9/22/2022 11:58:13 AM

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

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

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

Client: NT Global
Project/Site: Forehand 22 6H

Laboratory Job ID: 890-2931-1
SDG: Eddy County

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Definitions/Glossary

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

Job ID: 890-2931-1

Laboratory: Eurofins Carlsbad

Narrative	Job Narrative 890-2931-1
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Receipt

The samples were received on 9/9/2022 4:45 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 20.2°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-34852 and analytical batch 880-35059 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

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-34396/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-34396 and analytical batch 880-34334 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.

HPLC/IC

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

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Client Sample Results

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

Client Sample ID: H-1

Lab Sample ID: 890-2931-1

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/22 14:40	09/22/22 05:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/22 14:40	09/22/22 05:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/22 14:40	09/22/22 05:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/19/22 14:40	09/22/22 05:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/22 14:40	09/22/22 05:25	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/19/22 14:40	09/22/22 05:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	09/19/22 14:40	09/22/22 05:25	1
1,4-Difluorobenzene (Surr)	105		70 - 130	09/19/22 14:40	09/22/22 05:25	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/22/22 09:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/14/22 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 10:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 10:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 10:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	09/13/22 15:37	09/14/22 10:57	1
o-Terphenyl	114		70 - 130	09/13/22 15:37	09/14/22 10:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	235		5.00		mg/Kg			09/15/22 13:40	1

Client Sample ID: H-2

Lab Sample ID: 890-2931-2

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/19/22 14:40	09/22/22 05:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/19/22 14:40	09/22/22 05:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/19/22 14:40	09/22/22 05:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/19/22 14:40	09/22/22 05:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/19/22 14:40	09/22/22 05:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/19/22 14:40	09/22/22 05:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	09/19/22 14:40	09/22/22 05:45	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

Client Sample ID: H-2

Lab Sample ID: 890-2931-2

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	103		70 - 130	09/19/22 14:40	09/22/22 05:45	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/22/22 09:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	150		49.9		mg/Kg			09/14/22 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 12:00	1
Diesel Range Organics (Over C10-C28)	150		49.9		mg/Kg		09/13/22 15:37	09/14/22 12:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 12:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				09/13/22 15:37	09/14/22 12:00	1
o-Terphenyl	114		70 - 130				09/13/22 15:37	09/14/22 12:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1290		49.9		mg/Kg			09/15/22 13:45	10

Client Sample ID: H-3

Lab Sample ID: 890-2931-3

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/19/22 14:40	09/22/22 06:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/19/22 14:40	09/22/22 06:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/19/22 14:40	09/22/22 06:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/19/22 14:40	09/22/22 06:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/19/22 14:40	09/22/22 06:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/19/22 14:40	09/22/22 06:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	09/19/22 14:40	09/22/22 06:06	1
1,4-Difluorobenzene (Surr)	105		70 - 130	09/19/22 14:40	09/22/22 06:06	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/22/22 09:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/14/22 09:34	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

Client Sample ID: H-3

Lab Sample ID: 890-2931-3

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Sample Depth: 3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/13/22 15:37	09/14/22 12:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/13/22 15:37	09/14/22 12:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/22 15:37	09/14/22 12:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				09/13/22 15:37	09/14/22 12:21	1
o-Terphenyl	119		70 - 130				09/13/22 15:37	09/14/22 12:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	419		5.00		mg/Kg			09/15/22 14:00	1

Client Sample ID: H-4

Lab Sample ID: 890-2931-4

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/22 14:40	09/22/22 06:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/22 14:40	09/22/22 06:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/22 14:40	09/22/22 06:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/19/22 14:40	09/22/22 06:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/22 14:40	09/22/22 06:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/19/22 14:40	09/22/22 06:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				09/19/22 14:40	09/22/22 06:26	1
1,4-Difluorobenzene (Surr)	106		70 - 130				09/19/22 14:40	09/22/22 06:26	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/22/22 09:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/14/22 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 12:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 12:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 12:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				09/13/22 15:37	09/14/22 12:42	1
o-Terphenyl	118		70 - 130				09/13/22 15:37	09/14/22 12:42	1

Eurofins Carlsbad

Client Sample Results

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

Client Sample ID: H-4

Lab Sample ID: 890-2931-4

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	148		4.96		mg/Kg			09/15/22 14:05	1

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

Lab Sample ID: 890-2931-5

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Sample Depth: 0 - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/22 14:40	09/22/22 06:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/22 14:40	09/22/22 06:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/22 14:40	09/22/22 06:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/22 14:40	09/22/22 06:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/22 14:40	09/22/22 06:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/22 14:40	09/22/22 06:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				09/19/22 14:40	09/22/22 06:47	1
1,4-Difluorobenzene (Surr)	109		70 - 130				09/19/22 14:40	09/22/22 06:47	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			09/22/22 09:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	336		50.0		mg/Kg			09/14/22 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/13/22 15:37	09/14/22 13:03	1
Diesel Range Organics (Over C10-C28)	336		50.0		mg/Kg		09/13/22 15:37	09/14/22 13:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/22 15:37	09/14/22 13:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				09/13/22 15:37	09/14/22 13:03	1
o-Terphenyl	121		70 - 130				09/13/22 15:37	09/14/22 13:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1310		50.0		mg/Kg			09/15/22 14:09	10

Eurofins Carlsbad

Client Sample Results

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

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

Lab Sample ID: 890-2931-6

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Sample Depth: 1 - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/22 14:40	09/22/22 07:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/22 14:40	09/22/22 07:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/22 14:40	09/22/22 07:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/22 14:40	09/22/22 07:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/22 14:40	09/22/22 07:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/22 14:40	09/22/22 07:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	09/19/22 14:40	09/22/22 07:07	1
1,4-Difluorobenzene (Surr)	104		70 - 130	09/19/22 14:40	09/22/22 07:07	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			09/22/22 09:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/14/22 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 13:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 13:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 13:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	09/13/22 15:37	09/14/22 13:24	1
o-Terphenyl	119		70 - 130	09/13/22 15:37	09/14/22 13:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3410		50.4		mg/Kg			09/15/22 14:14	10

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

Lab Sample ID: 890-2931-7

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Sample Depth: 2 - 2.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/22 14:40	09/22/22 07:27	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/22 14:40	09/22/22 07:27	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/22 14:40	09/22/22 07:27	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/19/22 14:40	09/22/22 07:27	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/22 14:40	09/22/22 07:27	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/19/22 14:40	09/22/22 07:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	09/19/22 14:40	09/22/22 07:27	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

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

Lab Sample ID: 890-2931-7

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Sample Depth: 2 - 2.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	108		70 - 130	09/19/22 14:40	09/22/22 07:27	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/22/22 09:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/14/22 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/13/22 15:37	09/14/22 13:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/13/22 15:37	09/14/22 13:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/22 15:37	09/14/22 13:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				09/13/22 15:37	09/14/22 13:44	1
o-Terphenyl	115		70 - 130				09/13/22 15:37	09/14/22 13:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1950		25.2		mg/Kg			09/15/22 14:19	5

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

Lab Sample ID: 890-2931-8

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Sample Depth: 3 - 3.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/22 14:40	09/22/22 07:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/22 14:40	09/22/22 07:48	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/22 14:40	09/22/22 07:48	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/19/22 14:40	09/22/22 07:48	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/22 14:40	09/22/22 07:48	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/19/22 14:40	09/22/22 07:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	09/19/22 14:40	09/22/22 07:48	1
1,4-Difluorobenzene (Surr)	103		70 - 130	09/19/22 14:40	09/22/22 07:48	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/22/22 09:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/14/22 09:34	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

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

Lab Sample ID: 890-2931-8

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Sample Depth: 3 - 3.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 14:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 14:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 14:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				09/13/22 15:37	09/14/22 14:05	1
o-Terphenyl	114		70 - 130				09/13/22 15:37	09/14/22 14:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	968		25.1		mg/Kg			09/15/22 14:24	5

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

Lab Sample ID: 890-2931-9

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Sample Depth: 4 - 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/22 14:40	09/22/22 08:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/22 14:40	09/22/22 08:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/22 14:40	09/22/22 08:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/22 14:40	09/22/22 08:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/22 14:40	09/22/22 08:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/22 14:40	09/22/22 08:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				09/19/22 14:40	09/22/22 08:08	1
1,4-Difluorobenzene (Surr)	105		70 - 130				09/19/22 14:40	09/22/22 08:08	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/22/22 09:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/14/22 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/13/22 15:37	09/14/22 14:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/13/22 15:37	09/14/22 14:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/22 15:37	09/14/22 14:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				09/13/22 15:37	09/14/22 14:25	1
o-Terphenyl	118		70 - 130				09/13/22 15:37	09/14/22 14:25	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

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

Lab Sample ID: 890-2931-9

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Sample Depth: 4 - 4.5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	504		4.97		mg/Kg			09/15/22 14:39	1

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

Lab Sample ID: 890-2931-10

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Sample Depth: 0 - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/22 14:40	09/22/22 09:46	1
Toluene	0.0131		0.00200		mg/Kg		09/19/22 14:40	09/22/22 09:46	1
Ethylbenzene	0.0282		0.00200		mg/Kg		09/19/22 14:40	09/22/22 09:46	1
m-Xylene & p-Xylene	0.249		0.00401		mg/Kg		09/19/22 14:40	09/22/22 09:46	1
o-Xylene	0.102		0.00200		mg/Kg		09/19/22 14:40	09/22/22 09:46	1
Xylenes, Total	0.351		0.00401		mg/Kg		09/19/22 14:40	09/22/22 09:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130				09/19/22 14:40	09/22/22 09:46	1
1,4-Difluorobenzene (Surr)	88		70 - 130				09/19/22 14:40	09/22/22 09:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.392		0.00401		mg/Kg			09/22/22 09:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	901		49.9		mg/Kg			09/14/22 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	191		49.9		mg/Kg		09/13/22 15:37	09/14/22 14:46	1
Diesel Range Organics (Over C10-C28)	710		49.9		mg/Kg		09/13/22 15:37	09/14/22 14:46	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 14:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				09/13/22 15:37	09/14/22 14:46	1
o-Terphenyl	120		70 - 130				09/13/22 15:37	09/14/22 14:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	831		49.9		mg/Kg			09/15/22 14:43	10

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Client Sample Results

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

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

Lab Sample ID: 890-2931-11

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Sample Depth: 1 - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0399	U	0.0399		mg/Kg		09/19/22 14:40	09/22/22 12:09	20
Toluene	0.816		0.0399		mg/Kg		09/19/22 14:40	09/22/22 12:09	20
Ethylbenzene	1.87		0.0399		mg/Kg		09/19/22 14:40	09/22/22 12:09	20
m-Xylene & p-Xylene	10.2		0.0798		mg/Kg		09/19/22 14:40	09/22/22 12:09	20
o-Xylene	2.88		0.0399		mg/Kg		09/19/22 14:40	09/22/22 12:09	20
Xylenes, Total	13.1		0.0798		mg/Kg		09/19/22 14:40	09/22/22 12:09	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	09/19/22 14:40	09/22/22 12:09	20
1,4-Difluorobenzene (Surr)	117		70 - 130	09/19/22 14:40	09/22/22 12:09	20

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	15.8		0.0798		mg/Kg			09/22/22 09:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2060		50.0		mg/Kg			09/14/22 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1010		50.0		mg/Kg		09/13/22 15:37	09/14/22 15:28	1
Diesel Range Organics (Over C10-C28)	1050		50.0		mg/Kg		09/13/22 15:37	09/14/22 15:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/22 15:37	09/14/22 15:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	09/13/22 15:37	09/14/22 15:28	1
o-Terphenyl	118		70 - 130	09/13/22 15:37	09/14/22 15:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	862		50.2		mg/Kg			09/15/22 14:58	10

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

Lab Sample ID: 890-2931-12

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Sample Depth: 2 - 2.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/19/22 14:40	09/22/22 10:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/19/22 14:40	09/22/22 10:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/19/22 14:40	09/22/22 10:07	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/19/22 14:40	09/22/22 10:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/19/22 14:40	09/22/22 10:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/19/22 14:40	09/22/22 10:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	09/19/22 14:40	09/22/22 10:07	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

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

Lab Sample ID: 890-2931-12

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Sample Depth: 2 - 2.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	110		70 - 130	09/19/22 14:40	09/22/22 10:07	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/22/22 09:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	125		49.9		mg/Kg			09/14/22 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 15:49	1
Diesel Range Organics (Over C10-C28)	125		49.9		mg/Kg		09/13/22 15:37	09/14/22 15:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 15:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				09/13/22 15:37	09/14/22 15:49	1
o-Terphenyl	121		70 - 130				09/13/22 15:37	09/14/22 15:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	777		49.7		mg/Kg			09/15/22 15:03	10

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

Lab Sample ID: 890-2931-13

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Sample Depth: 0 - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/19/22 14:40	09/22/22 10:27	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/19/22 14:40	09/22/22 10:27	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/19/22 14:40	09/22/22 10:27	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		09/19/22 14:40	09/22/22 10:27	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/19/22 14:40	09/22/22 10:27	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		09/19/22 14:40	09/22/22 10:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	09/19/22 14:40	09/22/22 10:27	1
1,4-Difluorobenzene (Surr)	114		70 - 130	09/19/22 14:40	09/22/22 10:27	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			09/22/22 09:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	60.9		50.0		mg/Kg			09/14/22 09:34	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

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

Lab Sample ID: 890-2931-13

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Sample Depth: 0 - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/13/22 15:37	09/14/22 16:10	1
Diesel Range Organics (Over C10-C28)	60.9		50.0		mg/Kg		09/13/22 15:37	09/14/22 16:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/22 15:37	09/14/22 16:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				09/13/22 15:37	09/14/22 16:10	1
o-Terphenyl	121		70 - 130				09/13/22 15:37	09/14/22 16:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	991		50.0		mg/Kg			09/15/22 15:08	10

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

Lab Sample ID: 890-2931-14

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Sample Depth: 1 - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/19/22 14:40	09/22/22 10:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/22 14:40	09/22/22 10:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/22 14:40	09/22/22 10:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/22 14:40	09/22/22 10:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/22 14:40	09/22/22 10:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/22 14:40	09/22/22 10:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				09/19/22 14:40	09/22/22 10:47	1
1,4-Difluorobenzene (Surr)	111		70 - 130				09/19/22 14:40	09/22/22 10:47	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			09/22/22 09:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/14/22 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 16:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 16:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 16:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				09/13/22 15:37	09/14/22 16:31	1
o-Terphenyl	121		70 - 130				09/13/22 15:37	09/14/22 16:31	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

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

Lab Sample ID: 890-2931-14

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Sample Depth: 1 - 1.5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4360		101		mg/Kg			09/15/22 15:12	20

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

Lab Sample ID: 890-2931-15

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Sample Depth: 2 - 2.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/22 14:40	09/22/22 11:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/22 14:40	09/22/22 11:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/22 14:40	09/22/22 11:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/19/22 14:40	09/22/22 11:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/22 14:40	09/22/22 11:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/19/22 14:40	09/22/22 11:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				09/19/22 14:40	09/22/22 11:08	1
1,4-Difluorobenzene (Surr)	110		70 - 130				09/19/22 14:40	09/22/22 11:08	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/22/22 09:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/14/22 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 16:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 16:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 16:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				09/13/22 15:37	09/14/22 16:53	1
o-Terphenyl	123		70 - 130				09/13/22 15:37	09/14/22 16:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2100		25.2		mg/Kg			09/15/22 15:17	5

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Client Sample Results

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

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

Lab Sample ID: 890-2931-16

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Sample Depth: 3 - 3.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/22 14:40	09/22/22 11:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/19/22 14:40	09/22/22 11:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/19/22 14:40	09/22/22 11:28	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/19/22 14:40	09/22/22 11:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/19/22 14:40	09/22/22 11:28	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/19/22 14:40	09/22/22 11:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	09/19/22 14:40	09/22/22 11:28	1
1,4-Difluorobenzene (Surr)	110		70 - 130	09/19/22 14:40	09/22/22 11:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/22/22 09:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/14/22 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/13/22 15:37	09/14/22 17:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/13/22 15:37	09/14/22 17:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/13/22 15:37	09/14/22 17:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	09/13/22 15:37	09/14/22 17:14	1
o-Terphenyl	119		70 - 130	09/13/22 15:37	09/14/22 17:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1370		24.8		mg/Kg			09/15/22 15:22	5

Client Sample ID: S-3 (4-4.5)

Lab Sample ID: 890-2931-17

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Sample Depth: 4 - 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/19/22 14:40	09/22/22 11:49	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/19/22 14:40	09/22/22 11:49	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/19/22 14:40	09/22/22 11:49	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		09/19/22 14:40	09/22/22 11:49	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/19/22 14:40	09/22/22 11:49	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		09/19/22 14:40	09/22/22 11:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	09/19/22 14:40	09/22/22 11:49	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

Client Sample ID: S-3 (4-4.5)

Lab Sample ID: 890-2931-17

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Sample Depth: 4 - 4.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	109		70 - 130	09/19/22 14:40	09/22/22 11:49	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			09/22/22 09:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/14/22 09:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/13/22 11:41	09/13/22 23:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/13/22 11:41	09/13/22 23:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/13/22 11:41	09/13/22 23:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				09/13/22 11:41	09/13/22 23:39	1
o-Terphenyl	105		70 - 130				09/13/22 11:41	09/13/22 23:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	774		5.03		mg/Kg			09/15/22 15:27	1

Surrogate Summary

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-19067-A-41-C MS	Matrix Spike	106	96
880-19067-A-41-D MSD	Matrix Spike Duplicate	96	107
890-2931-1	H-1	92	105
890-2931-2	H-2	97	103
890-2931-3	H-3	97	105
890-2931-4	H-4	92	106
890-2931-5	S-1 (0-1)	92	109
890-2931-6	S-1 (1-1.5)	93	104
890-2931-7	S-1 (2-2.5)	93	108
890-2931-8	S-1 (3-3.5)	88	103
890-2931-9	S-1 (4-4.5)	90	105
890-2931-10	S-2 (0-1)	75	88
890-2931-11	S-2 (1-1.5)	132 S1+	117
890-2931-12	S-2 (2-2.5)	82	110
890-2931-13	S-3 (0-1)	89	114
890-2931-14	S-3 (1-1.5)	86	111
890-2931-15	S-3 (2-2.5)	85	110
890-2931-16	S-3 (3-3.5)	86	110
890-2931-17	S-3 (4-4.5)	85	109
LCS 880-34852/1-A	Lab Control Sample	91	108
LCSD 880-34852/2-A	Lab Control Sample Dup	95	102
MB 880-34852/5-A	Method Blank	103	114
MB 880-35058/5-A	Method Blank	105	115
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-19130-A-8-B MS	Matrix Spike	97	86
880-19130-A-8-C MSD	Matrix Spike Duplicate	95	83
890-2931-1	H-1	113	114
890-2931-1 MS	H-1	106	95
890-2931-1 MSD	H-1	106	95
890-2931-2	H-2	114	114
890-2931-3	H-3	114	119
890-2931-4	H-4	115	118
890-2931-5	S-1 (0-1)	120	121
890-2931-6	S-1 (1-1.5)	116	119
890-2931-7	S-1 (2-2.5)	112	115
890-2931-8	S-1 (3-3.5)	111	114
890-2931-9	S-1 (4-4.5)	116	118
890-2931-10	S-2 (0-1)	124	120
890-2931-11	S-2 (1-1.5)	128	118
890-2931-12	S-2 (2-2.5)	121	121

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Surrogate Summary

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-2931-13	S-3 (0-1)	118	121
890-2931-14	S-3 (1-1.5)	119	121
890-2931-15	S-3 (2-2.5)	121	123
890-2931-16	S-3 (3-3.5)	115	119
890-2931-17	S-3 (4-4.5)	104	105
LCS 880-34396/2-A	Lab Control Sample	133 S1+	133 S1+
LCS 880-34417/2-A	Lab Control Sample	99	109
LCSD 880-34396/3-A	Lab Control Sample Dup	130	128
LCSD 880-34417/3-A	Lab Control Sample Dup	97	107
MB 880-34396/1-A	Method Blank	105	110
MB 880-34417/1-A	Method Blank	115	120
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-34852/5-A

Matrix: Solid

Analysis Batch: 35059

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34852

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/22 14:40	09/22/22 04:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/22 14:40	09/22/22 04:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/22 14:40	09/22/22 04:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/19/22 14:40	09/22/22 04:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/22 14:40	09/22/22 04:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/19/22 14:40	09/22/22 04:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	09/19/22 14:40	09/22/22 04:36	1
1,4-Difluorobenzene (Surr)	114		70 - 130	09/19/22 14:40	09/22/22 04:36	1

Lab Sample ID: LCS 880-34852/1-A

Matrix: Solid

Analysis Batch: 35059

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09147		mg/Kg		91	70 - 130
Toluene	0.100	0.08000		mg/Kg		80	70 - 130
Ethylbenzene	0.100	0.07778		mg/Kg		78	70 - 130
m-Xylene & p-Xylene	0.200	0.1632		mg/Kg		82	70 - 130
o-Xylene	0.100	0.08198		mg/Kg		82	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-34852/2-A

Matrix: Solid

Analysis Batch: 35059

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 34852

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09109		mg/Kg		91	70 - 130	0	35
Toluene	0.100	0.08463		mg/Kg		85	70 - 130	6	35
Ethylbenzene	0.100	0.08432		mg/Kg		84	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1777		mg/Kg		89	70 - 130	9	35
o-Xylene	0.100	0.09029		mg/Kg		90	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-19067-A-41-C MS

Matrix: Solid

Analysis Batch: 35059

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 34852

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U F1	0.101	0.06984	F1	mg/Kg		69	70 - 130
Toluene	<0.00202	U	0.101	0.07583		mg/Kg		75	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

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

Lab Sample ID: 880-19067-A-41-C MS

Matrix: Solid

Analysis Batch: 35059

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 34852

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.101	0.07550		mg/Kg		75	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.202	0.1603		mg/Kg		79	70 - 130
o-Xylene	<0.00202	U	0.101	0.08295		mg/Kg		82	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-19067-A-41-D MSD

Matrix: Solid

Analysis Batch: 35059

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 34852

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U F1	0.0996	0.08952		mg/Kg		90	70 - 130	25	35
Toluene	<0.00202	U	0.0996	0.07868		mg/Kg		78	70 - 130	4	35
Ethylbenzene	<0.00202	U	0.0996	0.07621		mg/Kg		77	70 - 130	1	35
m-Xylene & p-Xylene	<0.00403	U	0.199	0.1593		mg/Kg		80	70 - 130	1	35
o-Xylene	<0.00202	U	0.0996	0.08074		mg/Kg		81	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: MB 880-35058/5-A

Matrix: Solid

Analysis Batch: 35059

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35058

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/21/22 11:58	09/21/22 17:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/21/22 11:58	09/21/22 17:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/21/22 11:58	09/21/22 17:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/21/22 11:58	09/21/22 17:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/21/22 11:58	09/21/22 17:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/21/22 11:58	09/21/22 17:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	09/21/22 11:58	09/21/22 17:00	1
1,4-Difluorobenzene (Surr)	115		70 - 130	09/21/22 11:58	09/21/22 17:00	1

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

Lab Sample ID: MB 880-34396/1-A

Matrix: Solid

Analysis Batch: 34334

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34396

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/13/22 11:41	09/13/22 19:23	1

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QC Sample Results

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

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

Lab Sample ID: MB 880-34396/1-A

Matrix: Solid

Analysis Batch: 34334

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34396

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/13/22 11:41	09/13/22 19:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/22 11:41	09/13/22 19:23	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				09/13/22 11:41	09/13/22 19:23	1
o-Terphenyl	110		70 - 130				09/13/22 11:41	09/13/22 19:23	1

Lab Sample ID: LCS 880-34396/2-A

Matrix: Solid

Analysis Batch: 34334

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34396

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	951.8		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	917.8		mg/Kg		92	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	133	S1+	70 - 130				
o-Terphenyl	133	S1+	70 - 130				

Lab Sample ID: LCSD 880-34396/3-A

Matrix: Solid

Analysis Batch: 34334

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 34396

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	842.1		mg/Kg		84	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	981.9		mg/Kg		98	70 - 130	7	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	130		70 - 130						
o-Terphenyl	128		70 - 130						

Lab Sample ID: 880-19130-A-8-B MS

Matrix: Solid

Analysis Batch: 34334

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 34396

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	996	630.3	F1	mg/Kg		62	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	996	913.7		mg/Kg		92	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	97		70 - 130						
o-Terphenyl	86		70 - 130						

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QC Sample Results

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

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

Lab Sample ID: 880-19130-A-8-C MSD
Matrix: Solid
Analysis Batch: 34334

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 34396

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	999	645.9	F1	mg/Kg		63	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	899.8		mg/Kg		90	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	95		70 - 130								
o-Terphenyl	83		70 - 130								

Lab Sample ID: MB 880-34417/1-A
Matrix: Solid
Analysis Batch: 34435

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 34417

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/13/22 15:37	09/14/22 09:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/13/22 15:37	09/14/22 09:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/22 15:37	09/14/22 09:53	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				09/13/22 15:37	09/14/22 09:53	1
o-Terphenyl	120		70 - 130				09/13/22 15:37	09/14/22 09:53	1

Lab Sample ID: LCS 880-34417/2-A
Matrix: Solid
Analysis Batch: 34435

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 34417

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1047		mg/Kg		105	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1022		mg/Kg		102	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	99		70 - 130						
o-Terphenyl	109		70 - 130						

Lab Sample ID: LCSD 880-34417/3-A
Matrix: Solid
Analysis Batch: 34435

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 34417

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	970.3		mg/Kg		97	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	1008		mg/Kg		101	70 - 130	1	20

QC Sample Results

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

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

Lab Sample ID: LCSD 880-34417/3-A

Matrix: Solid

Analysis Batch: 34435

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 34417

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 890-2931-1 MS

Matrix: Solid

Analysis Batch: 34435

Client Sample ID: H-1

Prep Type: Total/NA

Prep Batch: 34417

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	1098		mg/Kg		108	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	996	958.6		mg/Kg		96	70 - 130	
Surrogate	%Recovery	Qualifier	Limits	MS	MS					
1-Chlorooctane	106		70 - 130							
o-Terphenyl	95		70 - 130							

Lab Sample ID: 890-2931-1 MSD

Matrix: Solid

Analysis Batch: 34435

Client Sample ID: H-1

Prep Type: Total/NA

Prep Batch: 34417

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1097		mg/Kg		108	70 - 130	0	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	961.7		mg/Kg		96	70 - 130	0	20	
Surrogate	%Recovery	Qualifier	Limits	MSD	MSD							
1-Chlorooctane	106		70 - 130									
o-Terphenyl	95		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-34414/1-A

Matrix: Solid

Analysis Batch: 34568

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00		mg/Kg			09/15/22 11:58	1	

Lab Sample ID: LCS 880-34414/2-A

Matrix: Solid

Analysis Batch: 34568

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	200	192.2		mg/Kg		96	90 - 110		

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QC Sample Results

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-34414/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 34568											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			200	192.7		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 890-2931-8 MS				Client Sample ID: S-1 (3-3.5)							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 34568											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	968		1260	2304		mg/Kg		106	90 - 110		

Lab Sample ID: 890-2931-8 MSD				Client Sample ID: S-1 (3-3.5)							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 34568											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	968		1260	2295		mg/Kg		106	90 - 110	0	20

QC Association Summary

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

GC VOA

Prep Batch: 34852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2931-1	H-1	Total/NA	Solid	5035	
890-2931-2	H-2	Total/NA	Solid	5035	
890-2931-3	H-3	Total/NA	Solid	5035	
890-2931-4	H-4	Total/NA	Solid	5035	
890-2931-5	S-1 (0-1)	Total/NA	Solid	5035	
890-2931-6	S-1 (1-1.5)	Total/NA	Solid	5035	
890-2931-7	S-1 (2-2.5)	Total/NA	Solid	5035	
890-2931-8	S-1 (3-3.5)	Total/NA	Solid	5035	
890-2931-9	S-1 (4-4.5)	Total/NA	Solid	5035	
890-2931-10	S-2 (0-1)	Total/NA	Solid	5035	
890-2931-11	S-2 (1-1.5)	Total/NA	Solid	5035	
890-2931-12	S-2 (2-2.5)	Total/NA	Solid	5035	
890-2931-13	S-3 (0-1)	Total/NA	Solid	5035	
890-2931-14	S-3 (1-1.5)	Total/NA	Solid	5035	
890-2931-15	S-3 (2-2.5)	Total/NA	Solid	5035	
890-2931-16	S-3 (3-3.5)	Total/NA	Solid	5035	
890-2931-17	S-3 (4-4.5)	Total/NA	Solid	5035	
MB 880-34852/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-34852/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-34852/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-19067-A-41-C MS	Matrix Spike	Total/NA	Solid	5035	
880-19067-A-41-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 35058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-35058/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 35059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2931-1	H-1	Total/NA	Solid	8021B	34852
890-2931-2	H-2	Total/NA	Solid	8021B	34852
890-2931-3	H-3	Total/NA	Solid	8021B	34852
890-2931-4	H-4	Total/NA	Solid	8021B	34852
890-2931-5	S-1 (0-1)	Total/NA	Solid	8021B	34852
890-2931-6	S-1 (1-1.5)	Total/NA	Solid	8021B	34852
890-2931-7	S-1 (2-2.5)	Total/NA	Solid	8021B	34852
890-2931-8	S-1 (3-3.5)	Total/NA	Solid	8021B	34852
890-2931-9	S-1 (4-4.5)	Total/NA	Solid	8021B	34852
890-2931-10	S-2 (0-1)	Total/NA	Solid	8021B	34852
890-2931-11	S-2 (1-1.5)	Total/NA	Solid	8021B	34852
890-2931-12	S-2 (2-2.5)	Total/NA	Solid	8021B	34852
890-2931-13	S-3 (0-1)	Total/NA	Solid	8021B	34852
890-2931-14	S-3 (1-1.5)	Total/NA	Solid	8021B	34852
890-2931-15	S-3 (2-2.5)	Total/NA	Solid	8021B	34852
890-2931-16	S-3 (3-3.5)	Total/NA	Solid	8021B	34852
890-2931-17	S-3 (4-4.5)	Total/NA	Solid	8021B	34852
MB 880-34852/5-A	Method Blank	Total/NA	Solid	8021B	34852
MB 880-35058/5-A	Method Blank	Total/NA	Solid	8021B	35058
LCS 880-34852/1-A	Lab Control Sample	Total/NA	Solid	8021B	34852
LCSD 880-34852/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	34852
880-19067-A-41-C MS	Matrix Spike	Total/NA	Solid	8021B	34852

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QC Association Summary

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

GC VOA (Continued)

Analysis Batch: 35059 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19067-A-41-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	34852

Analysis Batch: 35137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2931-1	H-1	Total/NA	Solid	Total BTEX	
890-2931-2	H-2	Total/NA	Solid	Total BTEX	
890-2931-3	H-3	Total/NA	Solid	Total BTEX	
890-2931-4	H-4	Total/NA	Solid	Total BTEX	
890-2931-5	S-1 (0-1)	Total/NA	Solid	Total BTEX	
890-2931-6	S-1 (1-1.5)	Total/NA	Solid	Total BTEX	
890-2931-7	S-1 (2-2.5)	Total/NA	Solid	Total BTEX	
890-2931-8	S-1 (3-3.5)	Total/NA	Solid	Total BTEX	
890-2931-9	S-1 (4-4.5)	Total/NA	Solid	Total BTEX	
890-2931-10	S-2 (0-1)	Total/NA	Solid	Total BTEX	
890-2931-11	S-2 (1-1.5)	Total/NA	Solid	Total BTEX	
890-2931-12	S-2 (2-2.5)	Total/NA	Solid	Total BTEX	
890-2931-13	S-3 (0-1)	Total/NA	Solid	Total BTEX	
890-2931-14	S-3 (1-1.5)	Total/NA	Solid	Total BTEX	
890-2931-15	S-3 (2-2.5)	Total/NA	Solid	Total BTEX	
890-2931-16	S-3 (3-3.5)	Total/NA	Solid	Total BTEX	
890-2931-17	S-3 (4-4.5)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 34334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2931-17	S-3 (4-4.5)	Total/NA	Solid	8015B NM	34396
MB 880-34396/1-A	Method Blank	Total/NA	Solid	8015B NM	34396
LCS 880-34396/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	34396
LCSD 880-34396/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	34396
880-19130-A-8-B MS	Matrix Spike	Total/NA	Solid	8015B NM	34396
880-19130-A-8-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	34396

Prep Batch: 34396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2931-17	S-3 (4-4.5)	Total/NA	Solid	8015NM Prep	
MB 880-34396/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-34396/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-34396/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-19130-A-8-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-19130-A-8-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 34417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2931-1	H-1	Total/NA	Solid	8015NM Prep	
890-2931-2	H-2	Total/NA	Solid	8015NM Prep	
890-2931-3	H-3	Total/NA	Solid	8015NM Prep	
890-2931-4	H-4	Total/NA	Solid	8015NM Prep	
890-2931-5	S-1 (0-1)	Total/NA	Solid	8015NM Prep	
890-2931-6	S-1 (1-1.5)	Total/NA	Solid	8015NM Prep	
890-2931-7	S-1 (2-2.5)	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

GC Semi VOA (Continued)

Prep Batch: 34417 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2931-8	S-1 (3-3.5)	Total/NA	Solid	8015NM Prep	
890-2931-9	S-1 (4-4.5)	Total/NA	Solid	8015NM Prep	
890-2931-10	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
890-2931-11	S-2 (1-1.5)	Total/NA	Solid	8015NM Prep	
890-2931-12	S-2 (2-2.5)	Total/NA	Solid	8015NM Prep	
890-2931-13	S-3 (0-1)	Total/NA	Solid	8015NM Prep	
890-2931-14	S-3 (1-1.5)	Total/NA	Solid	8015NM Prep	
890-2931-15	S-3 (2-2.5)	Total/NA	Solid	8015NM Prep	
890-2931-16	S-3 (3-3.5)	Total/NA	Solid	8015NM Prep	
MB 880-34417/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-34417/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-34417/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2931-1 MS	H-1	Total/NA	Solid	8015NM Prep	
890-2931-1 MSD	H-1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 34435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2931-1	H-1	Total/NA	Solid	8015B NM	34417
890-2931-2	H-2	Total/NA	Solid	8015B NM	34417
890-2931-3	H-3	Total/NA	Solid	8015B NM	34417
890-2931-4	H-4	Total/NA	Solid	8015B NM	34417
890-2931-5	S-1 (0-1)	Total/NA	Solid	8015B NM	34417
890-2931-6	S-1 (1-1.5)	Total/NA	Solid	8015B NM	34417
890-2931-7	S-1 (2-2.5)	Total/NA	Solid	8015B NM	34417
890-2931-8	S-1 (3-3.5)	Total/NA	Solid	8015B NM	34417
890-2931-9	S-1 (4-4.5)	Total/NA	Solid	8015B NM	34417
890-2931-10	S-2 (0-1')	Total/NA	Solid	8015B NM	34417
890-2931-11	S-2 (1-1.5)	Total/NA	Solid	8015B NM	34417
890-2931-12	S-2 (2-2.5)	Total/NA	Solid	8015B NM	34417
890-2931-13	S-3 (0-1)	Total/NA	Solid	8015B NM	34417
890-2931-14	S-3 (1-1.5)	Total/NA	Solid	8015B NM	34417
890-2931-15	S-3 (2-2.5)	Total/NA	Solid	8015B NM	34417
890-2931-16	S-3 (3-3.5)	Total/NA	Solid	8015B NM	34417
MB 880-34417/1-A	Method Blank	Total/NA	Solid	8015B NM	34417
LCS 880-34417/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	34417
LCSD 880-34417/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	34417
890-2931-1 MS	H-1	Total/NA	Solid	8015B NM	34417
890-2931-1 MSD	H-1	Total/NA	Solid	8015B NM	34417

Analysis Batch: 34478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2931-1	H-1	Total/NA	Solid	8015 NM	
890-2931-2	H-2	Total/NA	Solid	8015 NM	
890-2931-3	H-3	Total/NA	Solid	8015 NM	
890-2931-4	H-4	Total/NA	Solid	8015 NM	
890-2931-5	S-1 (0-1)	Total/NA	Solid	8015 NM	
890-2931-6	S-1 (1-1.5)	Total/NA	Solid	8015 NM	
890-2931-7	S-1 (2-2.5)	Total/NA	Solid	8015 NM	
890-2931-8	S-1 (3-3.5)	Total/NA	Solid	8015 NM	
890-2931-9	S-1 (4-4.5)	Total/NA	Solid	8015 NM	
890-2931-10	S-2 (0-1')	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

GC Semi VOA (Continued)

Analysis Batch: 34478 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2931-11	S-2 (1-1.5)	Total/NA	Solid	8015 NM	
890-2931-12	S-2 (2-2.5)	Total/NA	Solid	8015 NM	
890-2931-13	S-3 (0-1)	Total/NA	Solid	8015 NM	
890-2931-14	S-3 (1-1.5)	Total/NA	Solid	8015 NM	
890-2931-15	S-3 (2-2.5)	Total/NA	Solid	8015 NM	
890-2931-16	S-3 (3-3.5)	Total/NA	Solid	8015 NM	
890-2931-17	S-3 (4-4.5)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 34414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2931-1	H-1	Soluble	Solid	DI Leach	
890-2931-2	H-2	Soluble	Solid	DI Leach	
890-2931-3	H-3	Soluble	Solid	DI Leach	
890-2931-4	H-4	Soluble	Solid	DI Leach	
890-2931-5	S-1 (0-1)	Soluble	Solid	DI Leach	
890-2931-6	S-1 (1-1.5)	Soluble	Solid	DI Leach	
890-2931-7	S-1 (2-2.5)	Soluble	Solid	DI Leach	
890-2931-8	S-1 (3-3.5)	Soluble	Solid	DI Leach	
890-2931-9	S-1 (4-4.5)	Soluble	Solid	DI Leach	
890-2931-10	S-2 (0-1)	Soluble	Solid	DI Leach	
890-2931-11	S-2 (1-1.5)	Soluble	Solid	DI Leach	
890-2931-12	S-2 (2-2.5)	Soluble	Solid	DI Leach	
890-2931-13	S-3 (0-1)	Soluble	Solid	DI Leach	
890-2931-14	S-3 (1-1.5)	Soluble	Solid	DI Leach	
890-2931-15	S-3 (2-2.5)	Soluble	Solid	DI Leach	
890-2931-16	S-3 (3-3.5)	Soluble	Solid	DI Leach	
890-2931-17	S-3 (4-4.5)	Soluble	Solid	DI Leach	
MB 880-34414/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-34414/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-34414/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2931-8 MS	S-1 (3-3.5)	Soluble	Solid	DI Leach	
890-2931-8 MSD	S-1 (3-3.5)	Soluble	Solid	DI Leach	

Analysis Batch: 34568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2931-1	H-1	Soluble	Solid	300.0	34414
890-2931-2	H-2	Soluble	Solid	300.0	34414
890-2931-3	H-3	Soluble	Solid	300.0	34414
890-2931-4	H-4	Soluble	Solid	300.0	34414
890-2931-5	S-1 (0-1)	Soluble	Solid	300.0	34414
890-2931-6	S-1 (1-1.5)	Soluble	Solid	300.0	34414
890-2931-7	S-1 (2-2.5)	Soluble	Solid	300.0	34414
890-2931-8	S-1 (3-3.5)	Soluble	Solid	300.0	34414
890-2931-9	S-1 (4-4.5)	Soluble	Solid	300.0	34414
890-2931-10	S-2 (0-1)	Soluble	Solid	300.0	34414
890-2931-11	S-2 (1-1.5)	Soluble	Solid	300.0	34414
890-2931-12	S-2 (2-2.5)	Soluble	Solid	300.0	34414
890-2931-13	S-3 (0-1)	Soluble	Solid	300.0	34414
890-2931-14	S-3 (1-1.5)	Soluble	Solid	300.0	34414

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QC Association Summary

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

HPLC/IC (Continued)

Analysis Batch: 34568 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2931-15	S-3 (2-2.5)	Soluble	Solid	300.0	34414
890-2931-16	S-3 (3-3.5)	Soluble	Solid	300.0	34414
890-2931-17	S-3 (4-4.5)	Soluble	Solid	300.0	34414
MB 880-34414/1-A	Method Blank	Soluble	Solid	300.0	34414
LCS 880-34414/2-A	Lab Control Sample	Soluble	Solid	300.0	34414
LCSD 880-34414/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	34414
890-2931-8 MS	S-1 (3-3.5)	Soluble	Solid	300.0	34414
890-2931-8 MSD	S-1 (3-3.5)	Soluble	Solid	300.0	34414

Lab Chronicle

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

Client Sample ID: H-1
Date Collected: 09/09/22 00:00
Date Received: 09/09/22 16:45

Lab Sample ID: 890-2931-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	34852	09/19/22 14:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35059	09/22/22 05:25	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35137	09/22/22 09:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34478	09/14/22 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34417	09/13/22 15:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34435	09/14/22 10:57	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	34414	09/13/22 15:08	KS	EET MID
Soluble	Analysis	300.0		1			34568	09/15/22 13:40	CH	EET MID

Client Sample ID: H-2
Date Collected: 09/09/22 00:00
Date Received: 09/09/22 16:45

Lab Sample ID: 890-2931-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	34852	09/19/22 14:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35059	09/22/22 05:45	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35137	09/22/22 09:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34478	09/14/22 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34417	09/13/22 15:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34435	09/14/22 12:00	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	34414	09/13/22 15:08	KS	EET MID
Soluble	Analysis	300.0		10			34568	09/15/22 13:45	CH	EET MID

Client Sample ID: H-3
Date Collected: 09/09/22 00:00
Date Received: 09/09/22 16:45

Lab Sample ID: 890-2931-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	34852	09/19/22 14:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35059	09/22/22 06:06	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35137	09/22/22 09:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34478	09/14/22 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	34417	09/13/22 15:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34435	09/14/22 12:21	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	34414	09/13/22 15:08	KS	EET MID
Soluble	Analysis	300.0		1			34568	09/15/22 14:00	CH	EET MID

Client Sample ID: H-4
Date Collected: 09/09/22 00:00
Date Received: 09/09/22 16:45

Lab Sample ID: 890-2931-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	34852	09/19/22 14:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35059	09/22/22 06:26	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35137	09/22/22 09:48	AJ	EET MID

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Lab Chronicle

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

Client Sample ID: H-4
Date Collected: 09/09/22 00:00
Date Received: 09/09/22 16:45

Lab Sample ID: 890-2931-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			34478	09/14/22 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34417	09/13/22 15:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34435	09/14/22 12:42	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	34414	09/13/22 15:08	KS	EET MID
Soluble	Analysis	300.0		1			34568	09/15/22 14:05	CH	EET MID

Client Sample ID: S-1 (0-1)_
Date Collected: 09/09/22 00:00
Date Received: 09/09/22 16:45

Lab Sample ID: 890-2931-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	34852	09/19/22 14:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35059	09/22/22 06:47	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35137	09/22/22 09:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34478	09/14/22 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34417	09/13/22 15:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34435	09/14/22 13:03	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	34414	09/13/22 15:08	KS	EET MID
Soluble	Analysis	300.0		10			34568	09/15/22 14:09	CH	EET MID

Client Sample ID: S-1 (1-1.5)
Date Collected: 09/09/22 00:00
Date Received: 09/09/22 16:45

Lab Sample ID: 890-2931-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	34852	09/19/22 14:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35059	09/22/22 07:07	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35137	09/22/22 09:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34478	09/14/22 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34417	09/13/22 15:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34435	09/14/22 13:24	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	34414	09/13/22 15:08	KS	EET MID
Soluble	Analysis	300.0		10			34568	09/15/22 14:14	CH	EET MID

Client Sample ID: S-1 (2-2.5)
Date Collected: 09/09/22 00:00
Date Received: 09/09/22 16:45

Lab Sample ID: 890-2931-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	34852	09/19/22 14:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35059	09/22/22 07:27	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35137	09/22/22 09:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34478	09/14/22 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34417	09/13/22 15:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34435	09/14/22 13:44	SM	EET MID

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Lab Chronicle

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

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

Lab Sample ID: 890-2931-7

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	34414	09/13/22 15:08	KS	EET MID
Soluble	Analysis	300.0		5			34568	09/15/22 14:19	CH	EET MID

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

Lab Sample ID: 890-2931-8

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	34852	09/19/22 14:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35059	09/22/22 07:48	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35137	09/22/22 09:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34478	09/14/22 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34417	09/13/22 15:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34435	09/14/22 14:05	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	34414	09/13/22 15:08	KS	EET MID
Soluble	Analysis	300.0		5			34568	09/15/22 14:24	CH	EET MID

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

Lab Sample ID: 890-2931-9

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

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	34852	09/19/22 14:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35059	09/22/22 08:08	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35137	09/22/22 09:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34478	09/14/22 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	34417	09/13/22 15:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34435	09/14/22 14:25	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	34414	09/13/22 15:08	KS	EET MID
Soluble	Analysis	300.0		1			34568	09/15/22 14:39	CH	EET MID

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

Lab Sample ID: 890-2931-10

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	34852	09/19/22 14:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35059	09/22/22 09:46	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35137	09/22/22 09:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34478	09/14/22 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34417	09/13/22 15:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34435	09/14/22 14:46	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	34414	09/13/22 15:08	KS	EET MID
Soluble	Analysis	300.0		10			34568	09/15/22 14:43	CH	EET MID

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Lab Chronicle

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

Client Sample ID: S-2 (1-1.5)
Date Collected: 09/09/22 00:00
Date Received: 09/09/22 16:45

Lab Sample ID: 890-2931-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	34852	09/19/22 14:40	EL	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	35059	09/22/22 12:09	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35137	09/22/22 09:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34478	09/14/22 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34417	09/13/22 15:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34435	09/14/22 15:28	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	34414	09/13/22 15:08	KS	EET MID
Soluble	Analysis	300.0		10			34568	09/15/22 14:58	CH	EET MID

Client Sample ID: S-2 (2-2.5)
Date Collected: 09/09/22 00:00
Date Received: 09/09/22 16:45

Lab Sample ID: 890-2931-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	34852	09/19/22 14:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35059	09/22/22 10:07	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35137	09/22/22 09:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34478	09/14/22 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34417	09/13/22 15:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34435	09/14/22 15:49	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	34414	09/13/22 15:08	KS	EET MID
Soluble	Analysis	300.0		10			34568	09/15/22 15:03	CH	EET MID

Client Sample ID: S-3 (0-1)
Date Collected: 09/09/22 00:00
Date Received: 09/09/22 16:45

Lab Sample ID: 890-2931-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	34852	09/19/22 14:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35059	09/22/22 10:27	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35137	09/22/22 09:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34478	09/14/22 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34417	09/13/22 15:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34435	09/14/22 16:10	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	34414	09/13/22 15:08	KS	EET MID
Soluble	Analysis	300.0		10			34568	09/15/22 15:08	CH	EET MID

Client Sample ID: S-3 (1-1.5)
Date Collected: 09/09/22 00:00
Date Received: 09/09/22 16:45

Lab Sample ID: 890-2931-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	34852	09/19/22 14:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35059	09/22/22 10:47	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35137	09/22/22 09:48	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

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

Lab Sample ID: 890-2931-14

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			34478	09/14/22 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34417	09/13/22 15:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34435	09/14/22 16:31	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	34414	09/13/22 15:08	KS	EET MID
Soluble	Analysis	300.0		20			34568	09/15/22 15:12	CH	EET MID

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

Lab Sample ID: 890-2931-15

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	34852	09/19/22 14:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35059	09/22/22 11:08	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35137	09/22/22 09:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34478	09/14/22 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34417	09/13/22 15:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34435	09/14/22 16:53	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	34414	09/13/22 15:08	KS	EET MID
Soluble	Analysis	300.0		5			34568	09/15/22 15:17	CH	EET MID

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

Lab Sample ID: 890-2931-16

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	34852	09/19/22 14:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35059	09/22/22 11:28	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35137	09/22/22 09:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34478	09/14/22 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	34417	09/13/22 15:37	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34435	09/14/22 17:14	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	34414	09/13/22 15:08	KS	EET MID
Soluble	Analysis	300.0		5			34568	09/15/22 15:22	CH	EET MID

Client Sample ID: S-3 (4-4.5)

Lab Sample ID: 890-2931-17

Date Collected: 09/09/22 00:00

Matrix: Solid

Date Received: 09/09/22 16:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	34852	09/19/22 14:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35059	09/22/22 11:49	MR	EET MID
Total/NA	Analysis	Total BTEX		1			35137	09/22/22 09:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34478	09/14/22 09:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34396	09/13/22 11:41	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34334	09/13/22 23:39	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

Client Sample ID: S-3 (4-4.5)
Date Collected: 09/09/22 00:00
Date Received: 09/09/22 16:45

Lab Sample ID: 890-2931-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	34414	09/13/22 15:08	KS	EET MID
Soluble	Analysis	300.0		1			34568	09/15/22 15:27	CH	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

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

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

- 1
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Method Summary

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

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

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

Sample Summary

Client: NT Global
Project/Site: Forehand 22 6H

Job ID: 890-2931-1
SDG: Eddy County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2931-1	H-1	Solid	09/09/22 00:00	09/09/22 16:45	1
890-2931-2	H-2	Solid	09/09/22 00:00	09/09/22 16:45	2
890-2931-3	H-3	Solid	09/09/22 00:00	09/09/22 16:45	3
890-2931-4	H-4	Solid	09/09/22 00:00	09/09/22 16:45	4
890-2931-5	S-1 (0-1)	Solid	09/09/22 00:00	09/09/22 16:45	0 - 1
890-2931-6	S-1 (1-1.5)	Solid	09/09/22 00:00	09/09/22 16:45	1 - 1.5
890-2931-7	S-1 (2-2.5)	Solid	09/09/22 00:00	09/09/22 16:45	2 - 2.5
890-2931-8	S-1 (3-3.5)	Solid	09/09/22 00:00	09/09/22 16:45	3 - 3.5
890-2931-9	S-1 (4-4.5)	Solid	09/09/22 00:00	09/09/22 16:45	4 - 4.5
890-2931-10	S-2 (0-1')	Solid	09/09/22 00:00	09/09/22 16:45	0 - 1
890-2931-11	S-2 (1-1.5)	Solid	09/09/22 00:00	09/09/22 16:45	1 - 1.5
890-2931-12	S-2 (2-2.5)	Solid	09/09/22 00:00	09/09/22 16:45	2 - 2.5
890-2931-13	S-3 (0-1)	Solid	09/09/22 00:00	09/09/22 16:45	0 - 1
890-2931-14	S-3 (1-1.5)	Solid	09/09/22 00:00	09/09/22 16:45	1 - 1.5
890-2931-15	S-3 (2-2.5)	Solid	09/09/22 00:00	09/09/22 16:45	2 - 2.5
890-2931-16	S-3 (3-3.5)	Solid	09/09/22 00:00	09/09/22 16:45	3 - 3.5
890-2931-17	S-3 (4-4.5)	Solid	09/09/22 00:00	09/09/22 16:45	4 - 4.5



Chain of Custody

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Work Order No: _____

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Project Manager:	Ethan Sessums	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	
Address:	402 E Wood Ave	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	254-266-5456	Email:	

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Forthland 22 6H		<input checked="" type="checkbox"/> Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes																
Project Number:			<input type="checkbox"/> Routine <input type="checkbox"/> Rush													None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NASO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SACP																
Project Location:	Eddy County		Due Date:	TAT starts the day received by the lab, if received by 4:30pm																												
Sampler's Name:	Caleb Kimball																															
PO #:																																
SAMPLE RECEIPT	Temp Blank:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Wet Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																												
Received Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID:	11111111																													
Cooler Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Correction Factor:	-0.0																													
Sample Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Temperature Reading:	80.4																													
Total Containers:			Corrected Temperature:	80.0																												
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B						TPH 8015M (GRO + DRO + MRO)						Chloride 4500						HOLD						Sample Comments	
H-1	9.9		X		Grab	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
H-2	9.9		X		Grab	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
H-3	9.9		X		Grab	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
H-4	9.9		X		Grab	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
S-1 (C-1)	9.9		X		Grab	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
S-1 (1-1S)	9.9		X		Grab	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
S-1 (2-2S)	9.9		X		Grab	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
S-1 (3-3S)	9.9		X		Grab	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
S-1 (4-4S)	9.9		X		Grab	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
S-2 (C-1)	9.9		X		Grab	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	9.9.20 1645			



Chain of Custody

Work Order No: _____

Page 2 of 2

Project Manager:	Ethan Sessums	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	
Address:	402 E Wood Ave	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	254-266-5456	Email:	

Work Order Comments	
Program: UST/PT	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund
State of Project:	
Reporting Level II	<input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	Forehand 226H	Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes			
Project Number:		<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush		None: NO	DI Water: H ₂ O												
Project Location	Eddy County	Due Date:	TAT starts the day received by the lab, if received by 4:30pm												Cool: Cool	MeOH: Me		
Sampler's Name:	Cyber Umbrell														HCL: HC	HNO ₃ : HN		
PO #:															H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	Yes No	Parameters										HOLD		
Received Intact:	Yes No	Thermometer (B):				BTEX 8021B										H ₃ PO ₄ : HP		
Cooler Custody Seals:	Yes No N/A	Correction Factor:				TPH 8015M (GRO + DRO + MRO)										NaHSO ₄ : NABIS		
Sample Custody Seals:	Yes No N/A	Temperature Reading:				Chloride 4500										Na ₂ S ₂ O ₃ : NaSO ₃		
Total Containers:		Corrected Temperature:														Zn Acetate+NaOH: Zn		
																NaOH+Ascorbic Acid: SARC		
Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont											Sample Comments	
S-2 (1-1.5)	9.9		X		gab	1	X	X	X	X								
S-2 (2-2.5)	9.9		X		gab	1	X	X	X	X								
S-3 (0-1)	9.9		X		gab	1	X	X	X	X								
S-3 (1-1.5)	9.9		X		gab	1	X	X	X	X								
S-3 (2-2.5)	9.9		X		gab	1	X	X	X	X								
S-3 (3-3.5)	9.9		X		gab	1	X	X	X	X								
S-3 (4-4.5)	9.9		X		gab	1	X	X	X	X								

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$65.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		9.9.22 1645			
3		4			
5		6			

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-2931-1

SDG Number: Eddy County

Login Number: 2931

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
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.	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	

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-2931-1

SDG Number: Eddy County

Login Number: 2931

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 09/13/22 10:37 AM

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



Environment Testing America

ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-3178-1

Laboratory Sample Delivery Group: 226349

Client Project/Site: FOREHAND RANCH 22 6H

For:

NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Gordon Banks

A handwritten signature in black ink, appearing to read "Jessica Kramer".

Authorized for release by:

10/17/2022 11:28:34 AM

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

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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: FOREHAND RANCH 22 6H

Laboratory Job ID: 890-3178-1
SDG: 226349

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Definitions/Glossary

Client: NT Global
Project/Site: FOREHAND RANCH 22 6H

Job ID: 890-3178-1
SDG: 226349

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: NT Global
Project/Site: FOREHAND RANCH 22 6H

Job ID: 890-3178-1
SDG: 226349

Job ID: 890-3178-1**Laboratory: Eurofins Carlsbad****Narrative****Job Narrative
890-3178-1****Receipt**

The samples were received on 10/6/2022 3:41 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 26.6°C

Receipt Exceptions

The following samples were submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): H-5 (890-3178-1), H-6 (890-3178-2), H-7 (890-3178-3), S-2 (6') (890-3178-4), S-2 (7') (890-3178-5), S-2 (9') (890-3178-6), S-2 (10') (890-3178-7), S-3 (5') (890-3178-8), S-3 (6') (890-3178-9), S-3 (7') (890-3178-10), H-5 (2) (890-3178-11) and H-5 (3) (890-3178-12) H-5 (2) and H-5 (3) Container lid states HOLD

The following samples were received and analyzed from an unpreserved bulk soil jar: H-5 (890-3178-1), H-6 (890-3178-2), H-7 (890-3178-3), S-2 (6') (890-3178-4), S-2 (7') (890-3178-5), S-2 (9') (890-3178-6), S-2 (10') (890-3178-7), S-3 (5') (890-3178-8), S-3 (6') (890-3178-9), S-3 (7') (890-3178-10), H-5 (2) (890-3178-11) and H-5 (3) (890-3178-12).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-36943 and analytical batch 880-36926 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 880-36521 and analytical batch 880-36824 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: NT Global
Project/Site: FOREHAND RANCH 22 6H

Job ID: 890-3178-1
SDG: 226349

Client Sample ID: H-5

Lab Sample ID: 890-3178-1

Date Collected: 10/06/22 00:00

Matrix: Solid

Date Received: 10/06/22 15:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F2 F1	0.00200		mg/Kg		10/14/22 10:26	10/15/22 08:46	1
Toluene	<0.00200	U F2 F1	0.00200		mg/Kg		10/14/22 10:26	10/15/22 08:46	1
Ethylbenzene	<0.00200	U F2 F1	0.00200		mg/Kg		10/14/22 10:26	10/15/22 08:46	1
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.00401		mg/Kg		10/14/22 10:26	10/15/22 08:46	1
o-Xylene	<0.00200	U F2 F1	0.00200		mg/Kg		10/14/22 10:26	10/15/22 08:46	1
Xylenes, Total	<0.00401	U F2 F1	0.00401		mg/Kg		10/14/22 10:26	10/15/22 08:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	10/14/22 10:26	10/15/22 08:46	1
1,4-Difluorobenzene (Surr)	94		70 - 130	10/14/22 10:26	10/15/22 08:46	1

Method: TAL SOP 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			10/17/22 10:10	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/12/22 10:45	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/10/22 07:33	10/11/22 18:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/22 07:33	10/11/22 18:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/22 07:33	10/11/22 18:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	10/10/22 07:33	10/11/22 18:32	1
o-Terphenyl	78		70 - 130	10/10/22 07:33	10/11/22 18:32	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	136		49.9		mg/Kg			10/13/22 12:21	10

Client Sample ID: H-6

Lab Sample ID: 890-3178-2

Date Collected: 10/06/22 00:00

Matrix: Solid

Date Received: 10/06/22 15:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/14/22 10:26	10/15/22 09:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/22 10:26	10/15/22 09:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/22 10:26	10/15/22 09:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/22 10:26	10/15/22 09:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/14/22 10:26	10/15/22 09:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/14/22 10:26	10/15/22 09:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	10/14/22 10:26	10/15/22 09:06	1
1,4-Difluorobenzene (Surr)	87		70 - 130	10/14/22 10:26	10/15/22 09:06	1

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Client Sample Results

Client: NT Global
Project/Site: FOREHAND RANCH 22 6H

Job ID: 890-3178-1
SDG: 226349

Client Sample ID: H-6

Lab Sample ID: 890-3178-2

Date Collected: 10/06/22 00:00

Matrix: Solid

Date Received: 10/06/22 15:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/17/22 10:10	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/12/22 10:45	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/10/22 07:33	10/11/22 18:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/22 07:33	10/11/22 18:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/22 07:33	10/11/22 18:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				10/10/22 07:33	10/11/22 18:54	1
o-Terphenyl	79		70 - 130				10/10/22 07:33	10/11/22 18:54	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1380		49.8		mg/Kg			10/13/22 12:26	10

Client Sample ID: H-7

Lab Sample ID: 890-3178-3

Date Collected: 10/06/22 00:00

Matrix: Solid

Date Received: 10/06/22 15:41

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/14/22 10:26	10/15/22 09:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/14/22 10:26	10/15/22 09:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/14/22 10:26	10/15/22 09:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/14/22 10:26	10/15/22 09:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/14/22 10:26	10/15/22 09:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/14/22 10:26	10/15/22 09:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130				10/14/22 10:26	10/15/22 09:27	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/14/22 10:26	10/15/22 09:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/17/22 10:10	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/12/22 10:45	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/10/22 07:33	10/11/22 19:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/10/22 07:33	10/11/22 19:16	1

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Client Sample Results

Client: NT Global
Project/Site: FOREHAND RANCH 22 6H

Job ID: 890-3178-1
SDG: 226349

Client Sample ID: H-7

Lab Sample ID: 890-3178-3

Date Collected: 10/06/22 00:00

Matrix: Solid

Date Received: 10/06/22 15:41

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/10/22 07:33	10/11/22 19:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				10/10/22 07:33	10/11/22 19:16	1
o-Terphenyl	78		70 - 130				10/10/22 07:33	10/11/22 19:16	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1030	F1	25.0		mg/Kg			10/13/22 12:31	5

Client Sample ID: S-2 (6')

Lab Sample ID: 890-3178-4

Date Collected: 10/06/22 00:00

Matrix: Solid

Date Received: 10/06/22 15:41

Sample Depth: 6

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/14/22 10:26	10/15/22 09:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/14/22 10:26	10/15/22 09:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/14/22 10:26	10/15/22 09:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/14/22 10:26	10/15/22 09:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/14/22 10:26	10/15/22 09:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/14/22 10:26	10/15/22 09:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				10/14/22 10:26	10/15/22 09:48	1
1,4-Difluorobenzene (Surr)	104		70 - 130				10/14/22 10:26	10/15/22 09:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/17/22 10:10	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/12/22 10:45	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/10/22 07:33	10/11/22 19:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/22 07:33	10/11/22 19:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/22 07:33	10/11/22 19:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				10/10/22 07:33	10/11/22 19:38	1
o-Terphenyl	78		70 - 130				10/10/22 07:33	10/11/22 19:38	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1000		24.8		mg/Kg			10/13/22 12:45	5

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Client Sample Results

Client: NT Global
Project/Site: FOREHAND RANCH 22 6H

Job ID: 890-3178-1
SDG: 226349

Client Sample ID: S-3 (5')

Lab Sample ID: 890-3178-8

Date Collected: 10/06/22 00:00

Matrix: Solid

Date Received: 10/06/22 15:41

Sample Depth: 5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/14/22 10:26	10/15/22 10:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/14/22 10:26	10/15/22 10:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/14/22 10:26	10/15/22 10:08	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/14/22 10:26	10/15/22 10:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/14/22 10:26	10/15/22 10:08	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/14/22 10:26	10/15/22 10:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	10/14/22 10:26	10/15/22 10:08	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/14/22 10:26	10/15/22 10:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/17/22 10:10	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/12/22 10:45	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/10/22 07:33	10/11/22 19:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/10/22 07:33	10/11/22 19:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/10/22 07:33	10/11/22 19:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	10/10/22 07:33	10/11/22 19:59	1
o-Terphenyl	79		70 - 130	10/10/22 07:33	10/11/22 19:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1230		25.1		mg/Kg			10/13/22 12:50	5

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Surrogate Summary

Client: NT Global
Project/Site: FOREHAND RANCH 22 6H

Job ID: 890-3178-1
SDG: 226349

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-3178-1	H-5	97	94
890-3178-1 MS	H-5	94	109
890-3178-1 MSD	H-5	106	93
890-3178-2	H-6	79	87
890-3178-3	H-7	76	99
890-3178-4	S-2 (6')	95	104
890-3178-8	S-3 (5')	102	101
LCS 880-36943/1-A	Lab Control Sample	122	91
LCSD 880-36943/2-A	Lab Control Sample Dup	98	104
MB 880-36687/5-A	Method Blank	86	96
MB 880-36943/5-A	Method Blank	87	94
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-3177-A-1-C MS	Matrix Spike	106	83
890-3177-A-1-D MSD	Matrix Spike Duplicate	93	83
890-3178-1	H-5	89	78
890-3178-2	H-6	89	79
890-3178-3	H-7	85	78
890-3178-4	S-2 (6')	87	78
890-3178-8	S-3 (5')	87	79
LCS 880-36497/2-A	Lab Control Sample	99	99
LCSD 880-36497/3-A	Lab Control Sample Dup	107	108
MB 880-36497/1-A	Method Blank	121	112
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: NT Global
Project/Site: FOREHAND RANCH 22 6H

Job ID: 890-3178-1
SDG: 226349

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-36687/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 36926							Prep Batch: 36687		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/11/22 14:39	10/14/22 21:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/11/22 14:39	10/14/22 21:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/11/22 14:39	10/14/22 21:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/11/22 14:39	10/14/22 21:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/11/22 14:39	10/14/22 21:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/11/22 14:39	10/14/22 21:49	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				10/11/22 14:39	10/14/22 21:49	1
1,4-Difluorobenzene (Surr)	96		70 - 130				10/11/22 14:39	10/14/22 21:49	1

Lab Sample ID: MB 880-36943/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 36926							Prep Batch: 36943		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/14/22 10:26	10/15/22 08:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/14/22 10:26	10/15/22 08:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/14/22 10:26	10/15/22 08:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/14/22 10:26	10/15/22 08:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/14/22 10:26	10/15/22 08:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/14/22 10:26	10/15/22 08:24	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				10/14/22 10:26	10/15/22 08:24	1
1,4-Difluorobenzene (Surr)	94		70 - 130				10/14/22 10:26	10/15/22 08:24	1

Lab Sample ID: LCS 880-36943/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 36926							Prep Batch: 36943		
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.09578		mg/Kg		96	70 - 130		
Toluene	0.100	0.1041		mg/Kg		104	70 - 130		
Ethylbenzene	0.100	0.1050		mg/Kg		105	70 - 130		
m-Xylene & p-Xylene	0.200	0.2304		mg/Kg		115	70 - 130		
o-Xylene	0.100	0.1153		mg/Kg		115	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	122		70 - 130						
1,4-Difluorobenzene (Surr)	91		70 - 130						

Lab Sample ID: LCSD 880-36943/2-A							Client Sample ID: Lab Control Sample Dup		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 36926							Prep Batch: 36943		
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09781		mg/Kg		98	70 - 130	2	35

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QC Sample Results

Client: NT Global
Project/Site: FOREHAND RANCH 22 6H

Job ID: 890-3178-1
SDG: 226349

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

Lab Sample ID: LCSD 880-36943/2-A
Matrix: Solid
Analysis Batch: 36926

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 36943

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	
	Added	Result	Qualifier				Limits	RPD	Limit
Toluene	0.100	0.09059		mg/Kg		91	70 - 130	14	35
Ethylbenzene	0.100	0.08699		mg/Kg		87	70 - 130	19	35
m-Xylene & p-Xylene	0.200	0.1801		mg/Kg		90	70 - 130	25	35
o-Xylene	0.100	0.08975		mg/Kg		90	70 - 130	25	35
	LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	98		70 - 130						
1,4-Difluorobenzene (Surr)	104		70 - 130						

Lab Sample ID: 890-3178-1 MS
Matrix: Solid
Analysis Batch: 36926

Client Sample ID: H-5
Prep Type: Total/NA
Prep Batch: 36943

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00200	U F2 F1	0.100	0.09149		mg/Kg		91	70 - 130		
Toluene	<0.00200	U F2 F1	0.100	0.07422		mg/Kg		74	70 - 130		
Ethylbenzene	<0.00200	U F2 F1	0.100	0.07059		mg/Kg		70	70 - 130		
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.201	0.1430		mg/Kg		71	70 - 130		
o-Xylene	<0.00200	U F2 F1	0.100	0.07440		mg/Kg		74	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	94		70 - 130								
1,4-Difluorobenzene (Surr)	109		70 - 130								

Lab Sample ID: 890-3178-1 MSD
Matrix: Solid
Analysis Batch: 36926

Client Sample ID: H-5
Prep Type: Total/NA
Prep Batch: 36943

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
Benzene	<0.00200	U F2 F1	0.0998	0.03440	F2 F1	mg/Kg		34	70 - 130	91	35
Toluene	<0.00200	U F2 F1	0.0998	0.03575	F2 F1	mg/Kg		36	70 - 130	70	35
Ethylbenzene	<0.00200	U F2 F1	0.0998	0.04228	F2 F1	mg/Kg		42	70 - 130	50	35
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.200	0.08475	F2 F1	mg/Kg		42	70 - 130	51	35
o-Xylene	<0.00200	U F2 F1	0.0998	0.04859	F2 F1	mg/Kg		49	70 - 130	42	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	106		70 - 130								
1,4-Difluorobenzene (Surr)	93		70 - 130								

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

Lab Sample ID: MB 880-36497/1-A
Matrix: Solid
Analysis Batch: 36635

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 36497

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/10/22 07:33	10/11/22 10:35	1

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QC Sample Results

Client: NT Global

Job ID: 890-3178-1

Project/Site: FOREHAND RANCH 22 6H

SDG: 226349

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

Lab Sample ID: MB 880-36497/1-A

Matrix: Solid

Analysis Batch: 36635

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36497

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/22 07:33	10/11/22 10:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/22 07:33	10/11/22 10:35	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				10/10/22 07:33	10/11/22 10:35	1
o-Terphenyl	112		70 - 130				10/10/22 07:33	10/11/22 10:35	1

Lab Sample ID: LCS 880-36497/2-A

Matrix: Solid

Analysis Batch: 36635

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36497

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	803.9		mg/Kg		80	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1014		mg/Kg		101	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	99		70 - 130				
o-Terphenyl	99		70 - 130				

Lab Sample ID: LCSD 880-36497/3-A

Matrix: Solid

Analysis Batch: 36635

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36497

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	853.0		mg/Kg		85	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	1103		mg/Kg		110	70 - 130	8	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	107		70 - 130						
o-Terphenyl	108		70 - 130						

Lab Sample ID: 890-3177-A-1-C MS

Matrix: Solid

Analysis Batch: 36635

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 36497

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	736.6		mg/Kg		74	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	996	844.3		mg/Kg		85	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	106		70 - 130						
o-Terphenyl	83		70 - 130						

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QC Sample Results

Client: NT Global
Project/Site: FOREHAND RANCH 22 6H

Job ID: 890-3178-1
SDG: 226349

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

Lab Sample ID: 890-3177-A-1-D MSD

Matrix: Solid

Analysis Batch: 36635

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 36497

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	734.4		mg/Kg		74	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	841.0		mg/Kg		84	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	93		70 - 130								
o-Terphenyl	83		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-36521/1-A

Matrix: Solid

Analysis Batch: 36824

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/13/22 10:23	1

Lab Sample ID: LCS 880-36521/2-A

Matrix: Solid

Analysis Batch: 36824

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.3		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-36521/3-A

Matrix: Solid

Analysis Batch: 36824

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	250.8		mg/Kg		100	90 - 110	3	20

Lab Sample ID: 890-3178-3 MS

Matrix: Solid

Analysis Batch: 36824

Client Sample ID: H-7

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1030	F1	1250	2459	F1	mg/Kg		114	90 - 110

Lab Sample ID: 890-3178-3 MSD

Matrix: Solid

Analysis Batch: 36824

Client Sample ID: H-7

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1030	F1	1250	2413		mg/Kg		110	90 - 110	2	20

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QC Association Summary

Client: NT Global
Project/Site: FOREHAND RANCH 22 6H

Job ID: 890-3178-1
SDG: 226349

GC VOA

Prep Batch: 36687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-36687/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 36926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3178-1	H-5	Total/NA	Solid	8021B	36943
890-3178-2	H-6	Total/NA	Solid	8021B	36943
890-3178-3	H-7	Total/NA	Solid	8021B	36943
890-3178-4	S-2 (6')	Total/NA	Solid	8021B	36943
890-3178-8	S-3 (5')	Total/NA	Solid	8021B	36943
MB 880-36687/5-A	Method Blank	Total/NA	Solid	8021B	36687
MB 880-36943/5-A	Method Blank	Total/NA	Solid	8021B	36943
LCS 880-36943/1-A	Lab Control Sample	Total/NA	Solid	8021B	36943
LCSD 880-36943/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	36943
890-3178-1 MS	H-5	Total/NA	Solid	8021B	36943
890-3178-1 MSD	H-5	Total/NA	Solid	8021B	36943

Prep Batch: 36943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3178-1	H-5	Total/NA	Solid	5035	
890-3178-2	H-6	Total/NA	Solid	5035	
890-3178-3	H-7	Total/NA	Solid	5035	
890-3178-4	S-2 (6')	Total/NA	Solid	5035	
890-3178-8	S-3 (5')	Total/NA	Solid	5035	
MB 880-36943/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-36943/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-36943/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3178-1 MS	H-5	Total/NA	Solid	5035	
890-3178-1 MSD	H-5	Total/NA	Solid	5035	

Analysis Batch: 37121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3178-1	H-5	Total/NA	Solid	Total BTEX	
890-3178-2	H-6	Total/NA	Solid	Total BTEX	
890-3178-3	H-7	Total/NA	Solid	Total BTEX	
890-3178-4	S-2 (6')	Total/NA	Solid	Total BTEX	
890-3178-8	S-3 (5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 36497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3178-1	H-5	Total/NA	Solid	8015NM Prep	
890-3178-2	H-6	Total/NA	Solid	8015NM Prep	
890-3178-3	H-7	Total/NA	Solid	8015NM Prep	
890-3178-4	S-2 (6')	Total/NA	Solid	8015NM Prep	
890-3178-8	S-3 (5')	Total/NA	Solid	8015NM Prep	
MB 880-36497/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-36497/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-36497/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3177-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3177-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: NT Global
Project/Site: FOREHAND RANCH 22 6H

Job ID: 890-3178-1
SDG: 226349

GC Semi VOA

Analysis Batch: 36635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3178-1	H-5	Total/NA	Solid	8015B NM	36497
890-3178-2	H-6	Total/NA	Solid	8015B NM	36497
890-3178-3	H-7	Total/NA	Solid	8015B NM	36497
890-3178-4	S-2 (6')	Total/NA	Solid	8015B NM	36497
890-3178-8	S-3 (5')	Total/NA	Solid	8015B NM	36497
MB 880-36497/1-A	Method Blank	Total/NA	Solid	8015B NM	36497
LCS 880-36497/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	36497
LCSD 880-36497/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	36497
890-3177-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	36497
890-3177-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	36497

Analysis Batch: 36743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3178-1	H-5	Total/NA	Solid	8015 NM	
890-3178-2	H-6	Total/NA	Solid	8015 NM	
890-3178-3	H-7	Total/NA	Solid	8015 NM	
890-3178-4	S-2 (6')	Total/NA	Solid	8015 NM	
890-3178-8	S-3 (5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 36521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3178-1	H-5	Soluble	Solid	DI Leach	
890-3178-2	H-6	Soluble	Solid	DI Leach	
890-3178-3	H-7	Soluble	Solid	DI Leach	
890-3178-4	S-2 (6')	Soluble	Solid	DI Leach	
890-3178-8	S-3 (5')	Soluble	Solid	DI Leach	
MB 880-36521/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-36521/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-36521/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3178-3 MS	H-7	Soluble	Solid	DI Leach	
890-3178-3 MSD	H-7	Soluble	Solid	DI Leach	

Analysis Batch: 36824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3178-1	H-5	Soluble	Solid	300.0	36521
890-3178-2	H-6	Soluble	Solid	300.0	36521
890-3178-3	H-7	Soluble	Solid	300.0	36521
890-3178-4	S-2 (6')	Soluble	Solid	300.0	36521
890-3178-8	S-3 (5')	Soluble	Solid	300.0	36521
MB 880-36521/1-A	Method Blank	Soluble	Solid	300.0	36521
LCS 880-36521/2-A	Lab Control Sample	Soluble	Solid	300.0	36521
LCSD 880-36521/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	36521
890-3178-3 MS	H-7	Soluble	Solid	300.0	36521
890-3178-3 MSD	H-7	Soluble	Solid	300.0	36521

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Lab Chronicle

Client: NT Global
Project/Site: FOREHAND RANCH 22 6H

Job ID: 890-3178-1
SDG: 226349

Client Sample ID: H-5
Date Collected: 10/06/22 00:00
Date Received: 10/06/22 15:41

Lab Sample ID: 890-3178-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	36943	10/14/22 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36926	10/15/22 08:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37121	10/17/22 10:10	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36743	10/12/22 10:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36497	10/10/22 07:33	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36635	10/11/22 18:32	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	36521	10/10/22 10:07	CH	EET MID
Soluble	Analysis	300.0		10			36824	10/13/22 12:21	CH	EET MID

Client Sample ID: H-6
Date Collected: 10/06/22 00:00
Date Received: 10/06/22 15:41

Lab Sample ID: 890-3178-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	36943	10/14/22 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36926	10/15/22 09:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37121	10/17/22 10:10	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36743	10/12/22 10:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	36497	10/10/22 07:33	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36635	10/11/22 18:54	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	36521	10/10/22 10:07	CH	EET MID
Soluble	Analysis	300.0		10			36824	10/13/22 12:26	CH	EET MID

Client Sample ID: H-7
Date Collected: 10/06/22 00:00
Date Received: 10/06/22 15:41

Lab Sample ID: 890-3178-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	36943	10/14/22 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36926	10/15/22 09:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37121	10/17/22 10:10	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36743	10/12/22 10:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	36497	10/10/22 07:33	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36635	10/11/22 19:16	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	36521	10/10/22 10:07	CH	EET MID
Soluble	Analysis	300.0		5			36824	10/13/22 12:31	CH	EET MID

Client Sample ID: S-2 (6')
Date Collected: 10/06/22 00:00
Date Received: 10/06/22 15:41

Lab Sample ID: 890-3178-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	36943	10/14/22 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36926	10/15/22 09:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37121	10/17/22 10:10	AJ	EET MID

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Lab Chronicle

Client: NT Global
Project/Site: FOREHAND RANCH 22 6H

Job ID: 890-3178-1
SDG: 226349

Client Sample ID: S-2 (6')
Date Collected: 10/06/22 00:00
Date Received: 10/06/22 15:41

Lab Sample ID: 890-3178-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			36743	10/12/22 10:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36497	10/10/22 07:33	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36635	10/11/22 19:38	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	36521	10/10/22 10:07	CH	EET MID
Soluble	Analysis	300.0		5			36824	10/13/22 12:45	CH	EET MID

Client Sample ID: S-3 (5')
Date Collected: 10/06/22 00:00
Date Received: 10/06/22 15:41

Lab Sample ID: 890-3178-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	36943	10/14/22 10:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36926	10/15/22 10:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37121	10/17/22 10:10	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36743	10/12/22 10:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	36497	10/10/22 07:33	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36635	10/11/22 19:59	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	36521	10/10/22 10:07	CH	EET MID
Soluble	Analysis	300.0		5			36824	10/13/22 12:50	CH	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: NT Global
Project/Site: FOREHAND RANCH 22 6H

Job ID: 890-3178-1
SDG: 226349

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

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

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

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

Method Summary

Client: NT Global
Project/Site: FOREHAND RANCH 22 6H

Job ID: 890-3178-1
SDG: 226349

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

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

Sample Summary

Client: NT Global
Project/Site: FOREHAND RANCH 22 6H

Job ID: 890-3178-1
SDG: 226349

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3178-1	H-5	Solid	10/06/22 00:00	10/06/22 15:41	
890-3178-2	H-6	Solid	10/06/22 00:00	10/06/22 15:41	
890-3178-3	H-7	Solid	10/06/22 00:00	10/06/22 15:41	
890-3178-4	S-2 (6')	Solid	10/06/22 00:00	10/06/22 15:41	6
890-3178-8	S-3 (5')	Solid	10/06/22 00:00	10/06/22 15:41	5



Chain of Custody

Work Order No: _____

Page 1 of 1

Project Manager:	Ethan Sessums	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	Caza
Address:	402 E Wood Ave	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	254-266-5456	Email:	

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Unperfund <input type="checkbox"/>	
State of Project:	
Reporting Level: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Forehand Ranch 22 6H	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number:	226349	Due Date:			
Project Location:	Eddy County	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Tyler Kimball				
PO #:					
SAMPLE RECEIPT	Temp Blank: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	Wet Ice: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes			
Received Inact:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	Thermometer ID: 11111111			
Cooler Custody Seals:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	Correction Factor: -0.2			
Sample Custody Seals:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	Temperature Reading: 26.8			
Total Containers:	10	Corrected Temperature: 26.6			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
H-5	10/6/2022		X		Grab/	1	BTEX 8021B		None: NO	
H-6	10/6/2022		X		Grab/	1	TPH 8015M (GRO + DRO + MRO)		DI Water: H ₂ O	
H-7	10/6/2022		X		Grab/	1	Chloride 4500		Cool: Cool	
S-2 (6')	10/6/2022		X		Grab/	1			HCL: HC	
S-2 (7')	10/6/2022		X		Grab/	1			H ₂ SO ₄ : H ₂	
S-2 (9')	10/6/2022		X		Grab/	1			H ₃ PO ₄ : HP	
S-2 (10')	10/6/2022		X		Grab/	1			NaHSO ₄ : NABIS	
S-3 (6')	10/6/2022		X		Grab/	1			Na ₂ S ₂ O ₃ : NaSO ₃	
S-3 (7')	10/6/2022		X		Grab/	1			Zn Acetate+NaOH: Zn	
									NaOH+Ascorbic Acid: SAPC	

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		10.6.22 1541			

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-3178-1

SDG Number: 226349

Login Number: 3178

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
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.	N/A	Refer to Job Narrative for details.
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	

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-3178-1

SDG Number: 226349

Login Number: 3178

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 10/10/22 08:41 AM

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Gordon Banks
NT Global

701 Tradewinds Blvd
Midland, Texas 79706

Generated 12/5/2022 2:18:06 PM

JOB DESCRIPTION

Forehand Ranch
SDG NUMBER 226349

JOB NUMBER

890-3569-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad**Job Notes**

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated
12/5/2022 2:18:06 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: NT Global
Project/Site: Forehand Ranch

Laboratory Job ID: 890-3569-1
SDG: 226349

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Definitions/Glossary

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

Glossary

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

Case Narrative

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Job ID: 890-3569-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3569-1

Receipt

The samples were received on 11/28/2022 4:35 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 7.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-1 (890-3569-1), SW-2 (890-3569-2), SW-3 (890-3569-3), SW-4 (890-3569-4), SW-5 (890-3569-5), SW-6 (890-3569-6), SW-7 (890-3569-7), S-1 (2') (890-3569-8), S-2 (2') (890-3569-9), S-3 (4') (890-3569-10), S-4 (4') (890-3569-11), S-5 (4') (890-3569-12), S-6 (4') (890-3569-13), S-7 (4') (890-3569-14), S-8 (4') (890-3569-15), S-9 (4') (890-3569-16), S-10 (4') (890-3569-17), S-11 (4') (890-3569-18) and S-12 (4') (890-3569-19).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-40773 and analytical batch 880-40842 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is 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

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-40737/32), (CCV 880-40737/48), (LCS 880-40765/2-A) and (LCSD 880-40765/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-40765 and analytical batch 880-40737 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-1 (890-3569-1), SW-2 (890-3569-2), SW-3 (890-3569-3), SW-4 (890-3569-4), SW-5 (890-3569-5), SW-6 (890-3569-6), SW-7 (890-3569-7), S-1 (2') (890-3569-8), S-2 (2') (890-3569-9), S-3 (4') (890-3569-10) and (890-3569-A-1-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-4 (4') (890-3569-11), S-5 (4') (890-3569-12), S-6 (4') (890-3569-13), S-7 (4') (890-3569-14), S-8 (4') (890-3569-15), S-9 (4') (890-3569-16), S-10 (4') (890-3569-17), S-11 (4') (890-3569-18) and S-12 (4') (890-3569-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-40765 and analytical batch 880-40737 were outside control limits. Non-homogeneity is 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.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-40723 and analytical batch 880-40841 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are: SW-2 (890-3569-2), SW-3 (890-3569-3), SW-4 (890-3569-4), SW-5 (890-3569-5), SW-6 (890-3569-6), SW-7 (890-3569-7), S-1 (2') (890-3569-8), S-2 (2') (890-3569-9), S-3 (4') (890-3569-10), S-4 (4') (890-3569-11), (890-3569-A-11-B MS) and (890-3569-A-11-C MSD).

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

Client Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Client Sample ID: SW-1

Lab Sample ID: 890-3569-1

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U F1 F2	0.00198		mg/Kg		12/01/22 11:26	12/03/22 15:48	1
Ethylbenzene	<0.00198	U F1 F2	0.00198		mg/Kg		12/01/22 11:26	12/03/22 15:48	1
Toluene	<0.00198	U F1 F2	0.00198		mg/Kg		12/01/22 11:26	12/03/22 15:48	1
Xylenes, Total	<0.00396	U F1 F2	0.00396		mg/Kg		12/01/22 11:26	12/03/22 15:48	1
m-Xylene & p-Xylene	<0.00396	U F1 F2	0.00396		mg/Kg		12/01/22 11:26	12/03/22 15:48	1
o-Xylene	<0.00198	U F1	0.00198		mg/Kg		12/01/22 11:26	12/03/22 15:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				12/01/22 11:26	12/03/22 15:48	1
1,4-Difluorobenzene (Surr)	98		70 - 130				12/01/22 11:26	12/03/22 15:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/05/22 14:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.2		50.0		mg/Kg			12/02/22 14:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/01/22 23:31	1
Diesel Range Organics (Over C10-C28)	54.2	F1	50.0		mg/Kg		12/01/22 10:39	12/01/22 23:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/01/22 23:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				12/01/22 10:39	12/01/22 23:31	1
o-Terphenyl	139	S1+	70 - 130				12/01/22 10:39	12/01/22 23:31	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		5.04		mg/Kg			12/02/22 01:40	1

Client Sample ID: SW-2

Lab Sample ID: 890-3569-2

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/01/22 11:26	12/03/22 16:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/01/22 11:26	12/03/22 16:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/01/22 11:26	12/03/22 16:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/01/22 11:26	12/03/22 16:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/01/22 11:26	12/03/22 16:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/01/22 11:26	12/03/22 16:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				12/01/22 11:26	12/03/22 16:14	1
1,4-Difluorobenzene (Surr)	97		70 - 130				12/01/22 11:26	12/03/22 16:14	1

Eurofins Carlsbad

Client Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Client Sample ID: SW-2

Lab Sample ID: 890-3569-2

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/05/22 14:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.7		49.9		mg/Kg			12/02/22 14:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 00:36	1
Diesel Range Organics (Over C10-C28)	50.7		49.9		mg/Kg		12/01/22 10:39	12/02/22 00:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 00:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				12/01/22 10:39	12/02/22 00:36	1
o-Terphenyl	140	S1+	70 - 130				12/01/22 10:39	12/02/22 00:36	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	387		4.99		mg/Kg			12/02/22 02:00	1

Client Sample ID: SW-3

Lab Sample ID: 890-3569-3

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/03/22 16:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/03/22 16:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/03/22 16:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/01/22 11:26	12/03/22 16:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/01/22 11:26	12/03/22 16:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/03/22 16:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				12/01/22 11:26	12/03/22 16:41	1
1,4-Difluorobenzene (Surr)	87		70 - 130				12/01/22 11:26	12/03/22 16:41	1

Method: TAL SOP 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			12/05/22 14:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/02/22 14:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 00:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 00:57	1

Eurofins Carlsbad

Client Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Client Sample ID: SW-3

Lab Sample ID: 890-3569-3

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 00:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				12/01/22 10:39	12/02/22 00:57	1
o-Terphenyl	150	S1+	70 - 130				12/01/22 10:39	12/02/22 00:57	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.7		5.03		mg/Kg			12/02/22 02:06	1

Client Sample ID: SW-4

Lab Sample ID: 890-3569-4

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/03/22 17:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/03/22 17:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/03/22 17:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/01/22 11:26	12/03/22 17:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/01/22 11:26	12/03/22 17:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/03/22 17:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				12/01/22 11:26	12/03/22 17:07	1
1,4-Difluorobenzene (Surr)	91		70 - 130				12/01/22 11:26	12/03/22 17:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/05/22 14:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/02/22 14:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 01:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 01:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 01:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				12/01/22 10:39	12/02/22 01:19	1
o-Terphenyl	148	S1+	70 - 130				12/01/22 10:39	12/02/22 01:19	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.7		4.99		mg/Kg			12/02/22 02:13	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Client Sample ID: SW-5

Lab Sample ID: 890-3569-5

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/03/22 17:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/03/22 17:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/03/22 17:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/01/22 11:26	12/03/22 17:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/01/22 11:26	12/03/22 17:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/03/22 17:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				12/01/22 11:26	12/03/22 17:34	1
1,4-Difluorobenzene (Surr)	95		70 - 130				12/01/22 11:26	12/03/22 17:34	1

Method: TAL SOP 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			12/05/22 14:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/02/22 14:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 01:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 01:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 01:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				12/01/22 10:39	12/02/22 01:40	1
o-Terphenyl	149	S1+	70 - 130				12/01/22 10:39	12/02/22 01:40	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		4.99		mg/Kg			12/02/22 02:20	1

Client Sample ID: SW-6

Lab Sample ID: 890-3569-6

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/01/22 11:26	12/03/22 18:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/01/22 11:26	12/03/22 18:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/01/22 11:26	12/03/22 18:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/01/22 11:26	12/03/22 18:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/01/22 11:26	12/03/22 18:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/01/22 11:26	12/03/22 18:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				12/01/22 11:26	12/03/22 18:00	1
1,4-Difluorobenzene (Surr)	90		70 - 130				12/01/22 11:26	12/03/22 18:00	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Client Sample ID: SW-6

Lab Sample ID: 890-3569-6

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/05/22 14:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/02/22 14:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 02:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 02:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 02:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	150	S1+	70 - 130				12/01/22 10:39	12/02/22 02:01	1
o-Terphenyl	176	S1+	70 - 130				12/01/22 10:39	12/02/22 02:01	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.5		4.98		mg/Kg			12/02/22 02:40	1

Client Sample ID: SW-7

Lab Sample ID: 890-3569-7

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/01/22 11:26	12/03/22 18:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/01/22 11:26	12/03/22 18:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/01/22 11:26	12/03/22 18:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/01/22 11:26	12/03/22 18:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/01/22 11:26	12/03/22 18:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/01/22 11:26	12/03/22 18:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				12/01/22 11:26	12/03/22 18:27	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/01/22 11:26	12/03/22 18:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/05/22 14:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/02/22 14:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 02:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 02:22	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Client Sample ID: SW-7

Lab Sample ID: 890-3569-7

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 02:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130				12/01/22 10:39	12/02/22 02:22	1
o-Terphenyl	163	S1+	70 - 130				12/01/22 10:39	12/02/22 02:22	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	291		4.97		mg/Kg			12/02/22 02:46	1

Client Sample ID: S-1 (2')

Lab Sample ID: 890-3569-8

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Sample Depth: 2

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/03/22 18:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/03/22 18:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/03/22 18:54	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/01/22 11:26	12/03/22 18:54	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/01/22 11:26	12/03/22 18:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/03/22 18:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				12/01/22 11:26	12/03/22 18:54	1
1,4-Difluorobenzene (Surr)	96		70 - 130				12/01/22 11:26	12/03/22 18:54	1

Method: TAL SOP 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			12/05/22 14:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/02/22 14:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 02:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 02:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 02:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	151	S1+	70 - 130				12/01/22 10:39	12/02/22 02:44	1
o-Terphenyl	175	S1+	70 - 130				12/01/22 10:39	12/02/22 02:44	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.2		5.01		mg/Kg			12/02/22 02:53	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Client Sample ID: S-2 (2')

Lab Sample ID: 890-3569-9

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Sample Depth: 2

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/03/22 19:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/03/22 19:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/03/22 19:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/01/22 11:26	12/03/22 19:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/01/22 11:26	12/03/22 19:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/03/22 19:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				12/01/22 11:26	12/03/22 19:21	1
1,4-Difluorobenzene (Surr)	87		70 - 130				12/01/22 11:26	12/03/22 19:21	1

Method: TAL SOP 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			12/05/22 14:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/02/22 14:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 03:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 03:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 03:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130				12/01/22 10:39	12/02/22 03:05	1
o-Terphenyl	168	S1+	70 - 130				12/01/22 10:39	12/02/22 03:05	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.4		4.99		mg/Kg			12/02/22 02:59	1

Client Sample ID: S-3 (4')

Lab Sample ID: 890-3569-10

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/03/22 19:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/03/22 19:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/03/22 19:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/01/22 11:26	12/03/22 19:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/01/22 11:26	12/03/22 19:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/03/22 19:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				12/01/22 11:26	12/03/22 19:48	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Client Sample ID: S-3 (4')

Lab Sample ID: 890-3569-10

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	97		70 - 130	12/01/22 11:26	12/03/22 19:48	1

Method: TAL SOP 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			12/05/22 14:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/02/22 14:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 03:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 03:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 03:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	147	S1+	70 - 130				12/01/22 10:39	12/02/22 03:26	1
o-Terphenyl	173	S1+	70 - 130				12/01/22 10:39	12/02/22 03:26	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.1		4.95		mg/Kg			12/02/22 03:06	1

Client Sample ID: S-4 (4)

Lab Sample ID: 890-3569-11

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/03/22 21:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/03/22 21:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/03/22 21:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/01/22 11:26	12/03/22 21:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/01/22 11:26	12/03/22 21:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/03/22 21:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				12/01/22 11:26	12/03/22 21:38	1
1,4-Difluorobenzene (Surr)	97		70 - 130				12/01/22 11:26	12/03/22 21:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/05/22 14:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/02/22 14:08	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Client Sample ID: S-4 (4)

Lab Sample ID: 890-3569-11

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Sample Depth: 4

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 04:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 04:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 04:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130				12/01/22 10:39	12/02/22 04:09	1
o-Terphenyl	167	S1+	70 - 130				12/01/22 10:39	12/02/22 04:09	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.6	F1	4.97		mg/Kg			12/02/22 03:13	1

Client Sample ID: S-5 (4')

Lab Sample ID: 890-3569-12

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/01/22 11:26	12/03/22 22:06	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/01/22 11:26	12/03/22 22:06	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/01/22 11:26	12/03/22 22:06	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/01/22 11:26	12/03/22 22:06	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/01/22 11:26	12/03/22 22:06	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/01/22 11:26	12/03/22 22:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				12/01/22 11:26	12/03/22 22:06	1
1,4-Difluorobenzene (Surr)	90		70 - 130				12/01/22 11:26	12/03/22 22:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/05/22 14:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/02/22 14:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 04:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 04:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 04:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				12/01/22 10:39	12/02/22 04:31	1
o-Terphenyl	145	S1+	70 - 130				12/01/22 10:39	12/02/22 04:31	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Client Sample ID: S-5 (4')

Lab Sample ID: 890-3569-12

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Sample Depth: 4

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.2		5.00		mg/Kg			12/02/22 03:33	1

Client Sample ID: S-6 (4')

Lab Sample ID: 890-3569-13

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/03/22 22:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/03/22 22:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/03/22 22:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/01/22 11:26	12/03/22 22:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/01/22 11:26	12/03/22 22:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/03/22 22:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				12/01/22 11:26	12/03/22 22:32	1
1,4-Difluorobenzene (Surr)	93		70 - 130				12/01/22 11:26	12/03/22 22:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/05/22 14:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/02/22 14:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 04:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 04:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 04:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				12/01/22 10:39	12/02/22 04:52	1
o-Terphenyl	151	S1+	70 - 130				12/01/22 10:39	12/02/22 04:52	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.0		4.99		mg/Kg			12/02/22 03:39	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Client Sample ID: S-7 (4')

Lab Sample ID: 890-3569-14

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/03/22 22:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/03/22 22:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/03/22 22:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/01/22 11:26	12/03/22 22:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/01/22 11:26	12/03/22 22:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/03/22 22:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				12/01/22 11:26	12/03/22 22:57	1
1,4-Difluorobenzene (Surr)	91		70 - 130				12/01/22 11:26	12/03/22 22:57	1

Method: TAL SOP 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			12/05/22 14:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/02/22 14:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 05:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 05:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 05:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130				12/01/22 10:39	12/02/22 05:14	1
o-Terphenyl	160	S1+	70 - 130				12/01/22 10:39	12/02/22 05:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.9		5.01		mg/Kg			12/02/22 04:00	1

Client Sample ID: S-8 (4')

Lab Sample ID: 890-3569-15

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/01/22 11:26	12/03/22 23:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/01/22 11:26	12/03/22 23:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/01/22 11:26	12/03/22 23:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/01/22 11:26	12/03/22 23:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/01/22 11:26	12/03/22 23:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/01/22 11:26	12/03/22 23:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				12/01/22 11:26	12/03/22 23:22	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Client Sample ID: S-8 (4')

Lab Sample ID: 890-3569-15

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	97		70 - 130	12/01/22 11:26	12/03/22 23:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/05/22 14:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/02/22 14:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 05:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 05:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 05:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130				12/01/22 10:39	12/02/22 05:35	1
o-Terphenyl	167	S1+	70 - 130				12/01/22 10:39	12/02/22 05:35	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.0		4.98		mg/Kg			12/02/22 04:06	1

Client Sample ID: S-9 (4')

Lab Sample ID: 890-3569-16

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/03/22 23:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/03/22 23:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/03/22 23:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/01/22 11:26	12/03/22 23:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/01/22 11:26	12/03/22 23:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/03/22 23:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				12/01/22 11:26	12/03/22 23:47	1
1,4-Difluorobenzene (Surr)	92		70 - 130				12/01/22 11:26	12/03/22 23:47	1

Method: TAL SOP 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			12/05/22 14:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	168		49.9		mg/Kg			12/02/22 14:08	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Client Sample ID: S-9 (4')

Lab Sample ID: 890-3569-16

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Sample Depth: 4

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 05:56	1
Diesel Range Organics (Over C10-C28)	168		49.9		mg/Kg		12/01/22 10:39	12/02/22 05:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 05:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				12/01/22 10:39	12/02/22 05:56	1
o-Terphenyl	150	S1+	70 - 130				12/01/22 10:39	12/02/22 05:56	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.1		4.99		mg/Kg			12/02/22 04:13	1

Client Sample ID: S-10 (4')

Lab Sample ID: 890-3569-17

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/04/22 00:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/04/22 00:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/04/22 00:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/01/22 11:26	12/04/22 00:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/01/22 11:26	12/04/22 00:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/01/22 11:26	12/04/22 00:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				12/01/22 11:26	12/04/22 00:12	1
1,4-Difluorobenzene (Surr)	90		70 - 130				12/01/22 11:26	12/04/22 00:12	1

Method: TAL SOP 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			12/05/22 14:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/02/22 14:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 06:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 06:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 06:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				12/01/22 10:39	12/02/22 06:18	1
o-Terphenyl	132	S1+	70 - 130				12/01/22 10:39	12/02/22 06:18	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Client Sample ID: S-10 (4')

Lab Sample ID: 890-3569-17

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Sample Depth: 4

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.1		4.96		mg/Kg			12/02/22 04:20	1

Client Sample ID: S-11 (4')

Lab Sample ID: 890-3569-18

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/01/22 11:26	12/04/22 00:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/01/22 11:26	12/04/22 00:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/01/22 11:26	12/04/22 00:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/01/22 11:26	12/04/22 00:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/01/22 11:26	12/04/22 00:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/01/22 11:26	12/04/22 00:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130				12/01/22 11:26	12/04/22 00:38	1
1,4-Difluorobenzene (Surr)	100		70 - 130				12/01/22 11:26	12/04/22 00:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/05/22 14:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/02/22 14:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 06:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 06:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 06:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				12/01/22 10:39	12/02/22 06:39	1
o-Terphenyl	144	S1+	70 - 130				12/01/22 10:39	12/02/22 06:39	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.6		5.05		mg/Kg			12/02/22 04:26	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Client Sample ID: S-12 (4')

Lab Sample ID: 890-3569-19

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/04/22 01:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/04/22 01:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/04/22 01:03	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/01/22 11:26	12/04/22 01:03	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/01/22 11:26	12/04/22 01:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/04/22 01:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	12/01/22 11:26	12/04/22 01:03	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/01/22 11:26	12/04/22 01:03	1

Method: TAL SOP 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			12/05/22 14:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/02/22 14:08	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 07:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 07:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 07:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	12/01/22 10:39	12/02/22 07:01	1
o-Terphenyl	150	S1+	70 - 130	12/01/22 10:39	12/02/22 07:01	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.8		4.98		mg/Kg			12/02/22 04:33	1

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Surrogate Summary

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Method: 8021B - Volatile Organic Compounds (GC)
Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
890-3569-1	SW-1	116	98				
890-3569-1 MS	SW-1	109	105				
890-3569-1 MSD	SW-1	114	91				
890-3569-2	SW-2	117	97				
890-3569-3	SW-3	116	87				
890-3569-4	SW-4	115	91				
890-3569-5	SW-5	112	95				
890-3569-6	SW-6	99	90				
890-3569-7	SW-7	120	99				
890-3569-8	S-1 (2')	107	96				
890-3569-9	S-2 (2')	115	87				
890-3569-10	S-3 (4')	111	97				
890-3569-11	S-4 (4)	92	97				
890-3569-12	S-5 (4')	105	90				
890-3569-13	S-6 (4')	115	93				
890-3569-14	S-7 (4')	115	91				
890-3569-15	S-8 (4')	115	97				
890-3569-16	S-9 (4')	109	92				
890-3569-17	S-10 (4')	119	90				
890-3569-18	S-11 (4')	134 S1+	100				
890-3569-19	S-12 (4')	125	96				
LCS 880-40773/1-A	Lab Control Sample	104	98				
LCSD 880-40773/2-A	Lab Control Sample Dup	100	93				
MB 880-40640/5-A	Method Blank	70	90				
MB 880-40773/5-A	Method Blank	73	93				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
890-3569-1	SW-1	114	139 S1+				
890-3569-1 MS	SW-1	117	126				
890-3569-1 MSD	SW-1	136 S1+	142 S1+				
890-3569-2	SW-2	115	140 S1+				
890-3569-3	SW-3	122	150 S1+				
890-3569-4	SW-4	122	148 S1+				
890-3569-5	SW-5	122	149 S1+				
890-3569-6	SW-6	150 S1+	176 S1+				
890-3569-7	SW-7	139 S1+	163 S1+				
890-3569-8	S-1 (2')	151 S1+	175 S1+				
890-3569-9	S-2 (2')	142 S1+	168 S1+				
890-3569-10	S-3 (4')	147 S1+	173 S1+				
890-3569-11	S-4 (4)	144 S1+	167 S1+				
890-3569-12	S-5 (4')	119	145 S1+				

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Surrogate Summary

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-3569-13	S-6 (4')	125	151 S1+
890-3569-14	S-7 (4')	137 S1+	160 S1+
890-3569-15	S-8 (4')	143 S1+	167 S1+
890-3569-16	S-9 (4')	131 S1+	150 S1+
890-3569-17	S-10 (4')	108	132 S1+
890-3569-18	S-11 (4')	125	144 S1+
890-3569-19	S-12 (4')	128	150 S1+
LCS 880-40765/2-A	Lab Control Sample	179 S1+	213 S1+
LCSD 880-40765/3-A	Lab Control Sample Dup	172 S1+	204 S1+
MB 880-40765/1-A	Method Blank	108	140 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-40640/5-A
Matrix: Solid
Analysis Batch: 40842

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40640

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/29/22 16:47	12/03/22 01:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/29/22 16:47	12/03/22 01:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/29/22 16:47	12/03/22 01:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/29/22 16:47	12/03/22 01:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/29/22 16:47	12/03/22 01:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/29/22 16:47	12/03/22 01:35	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130				11/29/22 16:47	12/03/22 01:35	1
1,4-Difluorobenzene (Surr)	90		70 - 130				11/29/22 16:47	12/03/22 01:35	1

Lab Sample ID: MB 880-40773/5-A
Matrix: Solid
Analysis Batch: 40842

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40773

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/03/22 15:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/03/22 15:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/03/22 15:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/01/22 11:26	12/03/22 15:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/01/22 11:26	12/03/22 15:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/03/22 15:22	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130				12/01/22 11:26	12/03/22 15:22	1
1,4-Difluorobenzene (Surr)	93		70 - 130				12/01/22 11:26	12/03/22 15:22	1

Lab Sample ID: LCS 880-40773/1-A
Matrix: Solid
Analysis Batch: 40842

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40773

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09907		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.08512		mg/Kg		85	70 - 130
Toluene	0.100	0.09397		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1701		mg/Kg		85	70 - 130
o-Xylene	0.100	0.08923		mg/Kg		89	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	104		70 - 130				
1,4-Difluorobenzene (Surr)	98		70 - 130				

Lab Sample ID: LCSD 880-40773/2-A
Matrix: Solid
Analysis Batch: 40842

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 40773

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1024		mg/Kg		102	70 - 130	3	35

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QC Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

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

Lab Sample ID: LCSD 880-40773/2-A

Matrix: Solid

Analysis Batch: 40842

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 40773

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Ethylbenzene	0.100	0.08397		mg/Kg		84	70 - 130	1		35
Toluene	0.100	0.09595		mg/Kg		96	70 - 130	2		35
m-Xylene & p-Xylene	0.200	0.1682		mg/Kg		84	70 - 130	1		35
o-Xylene	0.100	0.08778		mg/Kg		88	70 - 130	2		35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 890-3569-1 MS

Matrix: Solid

Analysis Batch: 40842

Client Sample ID: SW-1

Prep Type: Total/NA

Prep Batch: 40773

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Benzene	<0.00198	U F1 F2	0.0996	0.04955	F1	mg/Kg		50	70 - 130	
Ethylbenzene	<0.00198	U F1 F2	0.0996	0.04857	F1	mg/Kg		49	70 - 130	
Toluene	<0.00198	U F1 F2	0.0996	0.04833	F1	mg/Kg		49	70 - 130	
m-Xylene & p-Xylene	<0.00396	U F1 F2	0.199	0.07212	F1	mg/Kg		36	70 - 130	
o-Xylene	<0.00198	U F1	0.0996	0.05347	F1	mg/Kg		54	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 890-3569-1 MSD

Matrix: Solid

Analysis Batch: 40842

Client Sample ID: SW-1

Prep Type: Total/NA

Prep Batch: 40773

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Benzene	<0.00198	U F1 F2	0.100	0.07596	F2	mg/Kg		76	70 - 130	42		35
Ethylbenzene	<0.00198	U F1 F2	0.100	0.07084	F2	mg/Kg		71	70 - 130	37		35
Toluene	<0.00198	U F1 F2	0.100	0.07856	F2	mg/Kg		78	70 - 130	48		35
m-Xylene & p-Xylene	<0.00396	U F1 F2	0.200	0.1424	F2	mg/Kg		71	70 - 130	65		35
o-Xylene	<0.00198	U F1	0.100	0.07536		mg/Kg		75	70 - 130	34		35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

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

Lab Sample ID: MB 880-40765/1-A

Matrix: Solid

Analysis Batch: 40737

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 40765

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/01/22 22:24	1

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QC Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

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

Lab Sample ID: MB 880-40765/1-A

Matrix: Solid

Analysis Batch: 40737

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 40765

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/01/22 22:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/01/22 22:24	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	108		70 - 130				12/01/22 10:39	12/01/22 22:24	1
o-Terphenyl	140	S1+	70 - 130				12/01/22 10:39	12/01/22 22:24	1

Lab Sample ID: LCS 880-40765/2-A

Matrix: Solid

Analysis Batch: 40737

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 40765

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	846.1		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1070		mg/Kg		107	70 - 130		
Surrogate	LCS	LCS	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	179	S1+	70 - 130						
o-Terphenyl	213	S1+	70 - 130						

Lab Sample ID: LCSD 880-40765/3-A

Matrix: Solid

Analysis Batch: 40737

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 40765

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	805.9		mg/Kg		81	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	1023		mg/Kg		102	70 - 130	5	20
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	172	S1+	70 - 130						
o-Terphenyl	204	S1+	70 - 130						

Lab Sample ID: 890-3569-1 MS

Matrix: Solid

Analysis Batch: 40737

Client Sample ID: SW-1

Prep Type: Total/NA

Prep Batch: 40765

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
	Result	Qualifier									
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1065		mg/Kg		107	70 - 130		
Diesel Range Organics (Over C10-C28)	54.2	F1	999	1306		mg/Kg		125	70 - 130		
Surrogate	MS	MS	Limits								
	%Recovery	Qualifier									
1-Chlorooctane	117		70 - 130								
o-Terphenyl	126		70 - 130								

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QC Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

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

Lab Sample ID: 890-3569-1 MSD

Matrix: Solid

Analysis Batch: 40737

Client Sample ID: SW-1

Prep Type: Total/NA

Prep Batch: 40765

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1233		mg/Kg		124	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	54.2	F1	997	1501	F1	mg/Kg		145	70 - 130	14	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	136	S1+	70 - 130								
o-Terphenyl	142	S1+	70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-40723/1-A

Matrix: Solid

Analysis Batch: 40841

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/02/22 01:20	1

Lab Sample ID: LCS 880-40723/2-A

Matrix: Solid

Analysis Batch: 40841

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	260.4		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-40723/3-A

Matrix: Solid

Analysis Batch: 40841

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	258.8		mg/Kg		104	90 - 110	1	20

Lab Sample ID: 890-3569-1 MS

Matrix: Solid

Analysis Batch: 40841

Client Sample ID: SW-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	210		252	456.5		mg/Kg		98	90 - 110

Lab Sample ID: 890-3569-1 MSD

Matrix: Solid

Analysis Batch: 40841

Client Sample ID: SW-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	210		252	460.4		mg/Kg		99	90 - 110	1	20

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QC Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-3569-11 MS											Client Sample ID: S-4 (4)		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 40841													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	17.6	F1	249	301.6	F1	mg/Kg		114	90 - 110				

Lab Sample ID: 890-3569-11 MSD											Client Sample ID: S-4 (4)		
Matrix: Solid											Prep Type: Soluble		
Analysis Batch: 40841													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	17.6	F1	249	299.0	F1	mg/Kg		113	90 - 110	1	20		

QC Association Summary

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

GC VOA

Prep Batch: 40640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-40640/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 40773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3569-1	SW-1	Total/NA	Solid	5035	
890-3569-2	SW-2	Total/NA	Solid	5035	
890-3569-3	SW-3	Total/NA	Solid	5035	
890-3569-4	SW-4	Total/NA	Solid	5035	
890-3569-5	SW-5	Total/NA	Solid	5035	
890-3569-6	SW-6	Total/NA	Solid	5035	
890-3569-7	SW-7	Total/NA	Solid	5035	
890-3569-8	S-1 (2')	Total/NA	Solid	5035	
890-3569-9	S-2 (2')	Total/NA	Solid	5035	
890-3569-10	S-3 (4')	Total/NA	Solid	5035	
890-3569-11	S-4 (4)	Total/NA	Solid	5035	
890-3569-12	S-5 (4')	Total/NA	Solid	5035	
890-3569-13	S-6 (4')	Total/NA	Solid	5035	
890-3569-14	S-7 (4')	Total/NA	Solid	5035	
890-3569-15	S-8 (4')	Total/NA	Solid	5035	
890-3569-16	S-9 (4')	Total/NA	Solid	5035	
890-3569-17	S-10 (4')	Total/NA	Solid	5035	
890-3569-18	S-11 (4')	Total/NA	Solid	5035	
890-3569-19	S-12 (4')	Total/NA	Solid	5035	
MB 880-40773/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-40773/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-40773/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3569-1 MS	SW-1	Total/NA	Solid	5035	
890-3569-1 MSD	SW-1	Total/NA	Solid	5035	

Analysis Batch: 40842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3569-1	SW-1	Total/NA	Solid	8021B	40773
890-3569-2	SW-2	Total/NA	Solid	8021B	40773
890-3569-3	SW-3	Total/NA	Solid	8021B	40773
890-3569-4	SW-4	Total/NA	Solid	8021B	40773
890-3569-5	SW-5	Total/NA	Solid	8021B	40773
890-3569-6	SW-6	Total/NA	Solid	8021B	40773
890-3569-7	SW-7	Total/NA	Solid	8021B	40773
890-3569-8	S-1 (2')	Total/NA	Solid	8021B	40773
890-3569-9	S-2 (2')	Total/NA	Solid	8021B	40773
890-3569-10	S-3 (4')	Total/NA	Solid	8021B	40773
890-3569-11	S-4 (4)	Total/NA	Solid	8021B	40773
890-3569-12	S-5 (4')	Total/NA	Solid	8021B	40773
890-3569-13	S-6 (4')	Total/NA	Solid	8021B	40773
890-3569-14	S-7 (4')	Total/NA	Solid	8021B	40773
890-3569-15	S-8 (4')	Total/NA	Solid	8021B	40773
890-3569-16	S-9 (4')	Total/NA	Solid	8021B	40773
890-3569-17	S-10 (4')	Total/NA	Solid	8021B	40773
890-3569-18	S-11 (4')	Total/NA	Solid	8021B	40773
890-3569-19	S-12 (4')	Total/NA	Solid	8021B	40773
MB 880-40640/5-A	Method Blank	Total/NA	Solid	8021B	40640

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QC Association Summary

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

GC VOA (Continued)

Analysis Batch: 40842 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-40773/5-A	Method Blank	Total/NA	Solid	8021B	40773
LCS 880-40773/1-A	Lab Control Sample	Total/NA	Solid	8021B	40773
LCSD 880-40773/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	40773
890-3569-1 MS	SW-1	Total/NA	Solid	8021B	40773
890-3569-1 MSD	SW-1	Total/NA	Solid	8021B	40773

Analysis Batch: 41060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3569-1	SW-1	Total/NA	Solid	Total BTEX	
890-3569-2	SW-2	Total/NA	Solid	Total BTEX	
890-3569-3	SW-3	Total/NA	Solid	Total BTEX	
890-3569-4	SW-4	Total/NA	Solid	Total BTEX	
890-3569-5	SW-5	Total/NA	Solid	Total BTEX	
890-3569-6	SW-6	Total/NA	Solid	Total BTEX	
890-3569-7	SW-7	Total/NA	Solid	Total BTEX	
890-3569-8	S-1 (2')	Total/NA	Solid	Total BTEX	
890-3569-9	S-2 (2')	Total/NA	Solid	Total BTEX	
890-3569-10	S-3 (4')	Total/NA	Solid	Total BTEX	
890-3569-11	S-4 (4)	Total/NA	Solid	Total BTEX	
890-3569-12	S-5 (4')	Total/NA	Solid	Total BTEX	
890-3569-13	S-6 (4')	Total/NA	Solid	Total BTEX	
890-3569-14	S-7 (4')	Total/NA	Solid	Total BTEX	
890-3569-15	S-8 (4')	Total/NA	Solid	Total BTEX	
890-3569-16	S-9 (4')	Total/NA	Solid	Total BTEX	
890-3569-17	S-10 (4')	Total/NA	Solid	Total BTEX	
890-3569-18	S-11 (4')	Total/NA	Solid	Total BTEX	
890-3569-19	S-12 (4')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 40737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3569-1	SW-1	Total/NA	Solid	8015B NM	40765
890-3569-2	SW-2	Total/NA	Solid	8015B NM	40765
890-3569-3	SW-3	Total/NA	Solid	8015B NM	40765
890-3569-4	SW-4	Total/NA	Solid	8015B NM	40765
890-3569-5	SW-5	Total/NA	Solid	8015B NM	40765
890-3569-6	SW-6	Total/NA	Solid	8015B NM	40765
890-3569-7	SW-7	Total/NA	Solid	8015B NM	40765
890-3569-8	S-1 (2')	Total/NA	Solid	8015B NM	40765
890-3569-9	S-2 (2')	Total/NA	Solid	8015B NM	40765
890-3569-10	S-3 (4')	Total/NA	Solid	8015B NM	40765
890-3569-11	S-4 (4)	Total/NA	Solid	8015B NM	40765
890-3569-12	S-5 (4')	Total/NA	Solid	8015B NM	40765
890-3569-13	S-6 (4')	Total/NA	Solid	8015B NM	40765
890-3569-14	S-7 (4')	Total/NA	Solid	8015B NM	40765
890-3569-15	S-8 (4')	Total/NA	Solid	8015B NM	40765
890-3569-16	S-9 (4')	Total/NA	Solid	8015B NM	40765
890-3569-17	S-10 (4')	Total/NA	Solid	8015B NM	40765
890-3569-18	S-11 (4')	Total/NA	Solid	8015B NM	40765
890-3569-19	S-12 (4')	Total/NA	Solid	8015B NM	40765

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QC Association Summary

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

GC Semi VOA (Continued)

Analysis Batch: 40737 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-40765/1-A	Method Blank	Total/NA	Solid	8015B NM	40765
LCS 880-40765/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	40765
LCSD 880-40765/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	40765
890-3569-1 MS	SW-1	Total/NA	Solid	8015B NM	40765
890-3569-1 MSD	SW-1	Total/NA	Solid	8015B NM	40765

Prep Batch: 40765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3569-1	SW-1	Total/NA	Solid	8015NM Prep	
890-3569-2	SW-2	Total/NA	Solid	8015NM Prep	
890-3569-3	SW-3	Total/NA	Solid	8015NM Prep	
890-3569-4	SW-4	Total/NA	Solid	8015NM Prep	
890-3569-5	SW-5	Total/NA	Solid	8015NM Prep	
890-3569-6	SW-6	Total/NA	Solid	8015NM Prep	
890-3569-7	SW-7	Total/NA	Solid	8015NM Prep	
890-3569-8	S-1 (2')	Total/NA	Solid	8015NM Prep	
890-3569-9	S-2 (2')	Total/NA	Solid	8015NM Prep	
890-3569-10	S-3 (4')	Total/NA	Solid	8015NM Prep	
890-3569-11	S-4 (4)	Total/NA	Solid	8015NM Prep	
890-3569-12	S-5 (4')	Total/NA	Solid	8015NM Prep	
890-3569-13	S-6 (4')	Total/NA	Solid	8015NM Prep	
890-3569-14	S-7 (4')	Total/NA	Solid	8015NM Prep	
890-3569-15	S-8 (4')	Total/NA	Solid	8015NM Prep	
890-3569-16	S-9 (4')	Total/NA	Solid	8015NM Prep	
890-3569-17	S-10 (4')	Total/NA	Solid	8015NM Prep	
890-3569-18	S-11 (4')	Total/NA	Solid	8015NM Prep	
890-3569-19	S-12 (4')	Total/NA	Solid	8015NM Prep	
MB 880-40765/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-40765/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-40765/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3569-1 MS	SW-1	Total/NA	Solid	8015NM Prep	
890-3569-1 MSD	SW-1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 40904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3569-1	SW-1	Total/NA	Solid	8015 NM	
890-3569-2	SW-2	Total/NA	Solid	8015 NM	
890-3569-3	SW-3	Total/NA	Solid	8015 NM	
890-3569-4	SW-4	Total/NA	Solid	8015 NM	
890-3569-5	SW-5	Total/NA	Solid	8015 NM	
890-3569-6	SW-6	Total/NA	Solid	8015 NM	
890-3569-7	SW-7	Total/NA	Solid	8015 NM	
890-3569-8	S-1 (2')	Total/NA	Solid	8015 NM	
890-3569-9	S-2 (2')	Total/NA	Solid	8015 NM	
890-3569-10	S-3 (4')	Total/NA	Solid	8015 NM	
890-3569-11	S-4 (4)	Total/NA	Solid	8015 NM	
890-3569-12	S-5 (4')	Total/NA	Solid	8015 NM	
890-3569-13	S-6 (4')	Total/NA	Solid	8015 NM	
890-3569-14	S-7 (4')	Total/NA	Solid	8015 NM	
890-3569-15	S-8 (4')	Total/NA	Solid	8015 NM	
890-3569-16	S-9 (4')	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

GC Semi VOA (Continued)

Analysis Batch: 40904 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3569-17	S-10 (4')	Total/NA	Solid	8015 NM	
890-3569-18	S-11 (4')	Total/NA	Solid	8015 NM	
890-3569-19	S-12 (4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 40723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3569-1	SW-1	Soluble	Solid	DI Leach	
890-3569-2	SW-2	Soluble	Solid	DI Leach	
890-3569-3	SW-3	Soluble	Solid	DI Leach	
890-3569-4	SW-4	Soluble	Solid	DI Leach	
890-3569-5	SW-5	Soluble	Solid	DI Leach	
890-3569-6	SW-6	Soluble	Solid	DI Leach	
890-3569-7	SW-7	Soluble	Solid	DI Leach	
890-3569-8	S-1 (2')	Soluble	Solid	DI Leach	
890-3569-9	S-2 (2')	Soluble	Solid	DI Leach	
890-3569-10	S-3 (4')	Soluble	Solid	DI Leach	
890-3569-11	S-4 (4)	Soluble	Solid	DI Leach	
890-3569-12	S-5 (4')	Soluble	Solid	DI Leach	
890-3569-13	S-6 (4')	Soluble	Solid	DI Leach	
890-3569-14	S-7 (4')	Soluble	Solid	DI Leach	
890-3569-15	S-8 (4')	Soluble	Solid	DI Leach	
890-3569-16	S-9 (4')	Soluble	Solid	DI Leach	
890-3569-17	S-10 (4')	Soluble	Solid	DI Leach	
890-3569-18	S-11 (4')	Soluble	Solid	DI Leach	
890-3569-19	S-12 (4')	Soluble	Solid	DI Leach	
MB 880-40723/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-40723/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-40723/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3569-1 MS	SW-1	Soluble	Solid	DI Leach	
890-3569-1 MSD	SW-1	Soluble	Solid	DI Leach	
890-3569-11 MS	S-4 (4)	Soluble	Solid	DI Leach	
890-3569-11 MSD	S-4 (4)	Soluble	Solid	DI Leach	

Analysis Batch: 40841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3569-1	SW-1	Soluble	Solid	300.0	40723
890-3569-2	SW-2	Soluble	Solid	300.0	40723
890-3569-3	SW-3	Soluble	Solid	300.0	40723
890-3569-4	SW-4	Soluble	Solid	300.0	40723
890-3569-5	SW-5	Soluble	Solid	300.0	40723
890-3569-6	SW-6	Soluble	Solid	300.0	40723
890-3569-7	SW-7	Soluble	Solid	300.0	40723
890-3569-8	S-1 (2')	Soluble	Solid	300.0	40723
890-3569-9	S-2 (2')	Soluble	Solid	300.0	40723
890-3569-10	S-3 (4')	Soluble	Solid	300.0	40723
890-3569-11	S-4 (4)	Soluble	Solid	300.0	40723
890-3569-12	S-5 (4')	Soluble	Solid	300.0	40723
890-3569-13	S-6 (4')	Soluble	Solid	300.0	40723
890-3569-14	S-7 (4')	Soluble	Solid	300.0	40723

Eurofins Carlsbad

QC Association Summary

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

HPLC/IC (Continued)

Analysis Batch: 40841 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3569-15	S-8 (4')	Soluble	Solid	300.0	40723
890-3569-16	S-9 (4')	Soluble	Solid	300.0	40723
890-3569-17	S-10 (4')	Soluble	Solid	300.0	40723
890-3569-18	S-11 (4')	Soluble	Solid	300.0	40723
890-3569-19	S-12 (4')	Soluble	Solid	300.0	40723
MB 880-40723/1-A	Method Blank	Soluble	Solid	300.0	40723
LCS 880-40723/2-A	Lab Control Sample	Soluble	Solid	300.0	40723
LCSD 880-40723/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	40723
890-3569-1 MS	SW-1	Soluble	Solid	300.0	40723
890-3569-1 MSD	SW-1	Soluble	Solid	300.0	40723
890-3569-11 MS	S-4 (4)	Soluble	Solid	300.0	40723
890-3569-11 MSD	S-4 (4)	Soluble	Solid	300.0	40723

Lab Chronicle

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Client Sample ID: SW-1
Date Collected: 11/28/22 00:00
Date Received: 11/28/22 16:35

Lab Sample ID: 890-3569-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	40773	12/01/22 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40842	12/03/22 15:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41060	12/05/22 14:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40904	12/02/22 14:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40765	12/01/22 10:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40737	12/01/22 23:31	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	40723	11/30/22 15:41	SMC	EET MID
Soluble	Analysis	300.0		1			40841	12/02/22 01:40	SMC	EET MID

Client Sample ID: SW-2
Date Collected: 11/28/22 00:00
Date Received: 11/28/22 16:35

Lab Sample ID: 890-3569-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	40773	12/01/22 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40842	12/03/22 16:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41060	12/05/22 14:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40904	12/02/22 14:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	40765	12/01/22 10:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40737	12/02/22 00:36	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	40723	11/30/22 15:41	SMC	EET MID
Soluble	Analysis	300.0		1			40841	12/02/22 02:00	SMC	EET MID

Client Sample ID: SW-3
Date Collected: 11/28/22 00:00
Date Received: 11/28/22 16:35

Lab Sample ID: 890-3569-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	40773	12/01/22 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40842	12/03/22 16:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41060	12/05/22 14:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40904	12/02/22 14:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	40765	12/01/22 10:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40737	12/02/22 00:57	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	40723	11/30/22 15:41	SMC	EET MID
Soluble	Analysis	300.0		1			40841	12/02/22 02:06	SMC	EET MID

Client Sample ID: SW-4
Date Collected: 11/28/22 00:00
Date Received: 11/28/22 16:35

Lab Sample ID: 890-3569-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	40773	12/01/22 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40842	12/03/22 17:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41060	12/05/22 14:17	AJ	EET MID

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Lab Chronicle

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Client Sample ID: SW-4
Date Collected: 11/28/22 00:00
Date Received: 11/28/22 16:35

Lab Sample ID: 890-3569-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			40904	12/02/22 14:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40765	12/01/22 10:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40737	12/02/22 01:19	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	40723	11/30/22 15:41	SMC	EET MID
Soluble	Analysis	300.0		1			40841	12/02/22 02:13	SMC	EET MID

Client Sample ID: SW-5
Date Collected: 11/28/22 00:00
Date Received: 11/28/22 16:35

Lab Sample ID: 890-3569-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	40773	12/01/22 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40842	12/03/22 17:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41060	12/05/22 14:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40904	12/02/22 14:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	40765	12/01/22 10:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40737	12/02/22 01:40	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	40723	11/30/22 15:41	SMC	EET MID
Soluble	Analysis	300.0		1			40841	12/02/22 02:20	SMC	EET MID

Client Sample ID: SW-6
Date Collected: 11/28/22 00:00
Date Received: 11/28/22 16:35

Lab Sample ID: 890-3569-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	40773	12/01/22 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40842	12/03/22 18:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41060	12/05/22 14:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40904	12/02/22 14:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40765	12/01/22 10:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40737	12/02/22 02:01	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	40723	11/30/22 15:41	SMC	EET MID
Soluble	Analysis	300.0		1			40841	12/02/22 02:40	SMC	EET MID

Client Sample ID: SW-7
Date Collected: 11/28/22 00:00
Date Received: 11/28/22 16:35

Lab Sample ID: 890-3569-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	40773	12/01/22 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40842	12/03/22 18:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41060	12/05/22 14:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40904	12/02/22 14:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	40765	12/01/22 10:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40737	12/02/22 02:22	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Client Sample ID: SW-7
Date Collected: 11/28/22 00:00
Date Received: 11/28/22 16:35

Lab Sample ID: 890-3569-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	40723	11/30/22 15:41	SMC	EET MID
Soluble	Analysis	300.0		1			40841	12/02/22 02:46	SMC	EET MID

Client Sample ID: S-1 (2')
Date Collected: 11/28/22 00:00
Date Received: 11/28/22 16:35

Lab Sample ID: 890-3569-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	40773	12/01/22 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40842	12/03/22 18:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41060	12/05/22 14:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40904	12/02/22 14:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40765	12/01/22 10:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40737	12/02/22 02:44	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	40723	11/30/22 15:41	SMC	EET MID
Soluble	Analysis	300.0		1			40841	12/02/22 02:53	SMC	EET MID

Client Sample ID: S-2 (2')
Date Collected: 11/28/22 00:00
Date Received: 11/28/22 16:35

Lab Sample ID: 890-3569-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	40773	12/01/22 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40842	12/03/22 19:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41060	12/05/22 14:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40904	12/02/22 14:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	40765	12/01/22 10:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40737	12/02/22 03:05	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	40723	11/30/22 15:41	SMC	EET MID
Soluble	Analysis	300.0		1			40841	12/02/22 02:59	SMC	EET MID

Client Sample ID: S-3 (4')
Date Collected: 11/28/22 00:00
Date Received: 11/28/22 16:35

Lab Sample ID: 890-3569-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	40773	12/01/22 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40842	12/03/22 19:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41060	12/05/22 14:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40904	12/02/22 14:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	40765	12/01/22 10:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40737	12/02/22 03:26	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	40723	11/30/22 15:41	SMC	EET MID
Soluble	Analysis	300.0		1			40841	12/02/22 03:06	SMC	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Client Sample ID: S-4 (4)
Date Collected: 11/28/22 00:00
Date Received: 11/28/22 16:35

Lab Sample ID: 890-3569-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	40773	12/01/22 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40842	12/03/22 21:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41060	12/05/22 14:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40904	12/02/22 14:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	40765	12/01/22 10:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40737	12/02/22 04:09	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	40723	11/30/22 15:41	SMC	EET MID
Soluble	Analysis	300.0		1			40841	12/02/22 03:13	SMC	EET MID

Client Sample ID: S-5 (4')
Date Collected: 11/28/22 00:00
Date Received: 11/28/22 16:35

Lab Sample ID: 890-3569-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	40773	12/01/22 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40842	12/03/22 22:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41060	12/05/22 14:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40904	12/02/22 14:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40765	12/01/22 10:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40737	12/02/22 04:31	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	40723	11/30/22 15:41	SMC	EET MID
Soluble	Analysis	300.0		1			40841	12/02/22 03:33	SMC	EET MID

Client Sample ID: S-6 (4')
Date Collected: 11/28/22 00:00
Date Received: 11/28/22 16:35

Lab Sample ID: 890-3569-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	40773	12/01/22 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40842	12/03/22 22:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41060	12/05/22 14:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40904	12/02/22 14:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	40765	12/01/22 10:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40737	12/02/22 04:52	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	40723	11/30/22 15:41	SMC	EET MID
Soluble	Analysis	300.0		1			40841	12/02/22 03:39	SMC	EET MID

Client Sample ID: S-7 (4')
Date Collected: 11/28/22 00:00
Date Received: 11/28/22 16:35

Lab Sample ID: 890-3569-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	40773	12/01/22 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40842	12/03/22 22:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41060	12/05/22 14:17	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Client Sample ID: S-7 (4')
Date Collected: 11/28/22 00:00
Date Received: 11/28/22 16:35

Lab Sample ID: 890-3569-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			40904	12/02/22 14:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	40765	12/01/22 10:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40737	12/02/22 05:14	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	40723	11/30/22 15:41	SMC	EET MID
Soluble	Analysis	300.0		1			40841	12/02/22 04:00	SMC	EET MID

Client Sample ID: S-8 (4')
Date Collected: 11/28/22 00:00
Date Received: 11/28/22 16:35

Lab Sample ID: 890-3569-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	40773	12/01/22 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40842	12/03/22 23:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41060	12/05/22 14:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40904	12/02/22 14:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40765	12/01/22 10:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40737	12/02/22 05:35	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	40723	11/30/22 15:41	SMC	EET MID
Soluble	Analysis	300.0		1			40841	12/02/22 04:06	SMC	EET MID

Client Sample ID: S-9 (4')
Date Collected: 11/28/22 00:00
Date Received: 11/28/22 16:35

Lab Sample ID: 890-3569-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	40773	12/01/22 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40842	12/03/22 23:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41060	12/05/22 14:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40904	12/02/22 14:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	40765	12/01/22 10:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40737	12/02/22 05:56	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	40723	11/30/22 15:41	SMC	EET MID
Soluble	Analysis	300.0		1			40841	12/02/22 04:13	SMC	EET MID

Client Sample ID: S-10 (4')
Date Collected: 11/28/22 00:00
Date Received: 11/28/22 16:35

Lab Sample ID: 890-3569-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	40773	12/01/22 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40842	12/04/22 00:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41060	12/05/22 14:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40904	12/02/22 14:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40765	12/01/22 10:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40737	12/02/22 06:18	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Client Sample ID: S-10 (4')

Lab Sample ID: 890-3569-17

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	40723	11/30/22 15:41	SMC	EET MID
Soluble	Analysis	300.0		1			40841	12/02/22 04:20	SMC	EET MID

Client Sample ID: S-11 (4')

Lab Sample ID: 890-3569-18

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	40773	12/01/22 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40842	12/04/22 00:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41060	12/05/22 14:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40904	12/02/22 14:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	40765	12/01/22 10:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40737	12/02/22 06:39	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	40723	11/30/22 15:41	SMC	EET MID
Soluble	Analysis	300.0		1			40841	12/02/22 04:26	SMC	EET MID

Client Sample ID: S-12 (4')

Lab Sample ID: 890-3569-19

Date Collected: 11/28/22 00:00

Matrix: Solid

Date Received: 11/28/22 16:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	40773	12/01/22 11:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40842	12/04/22 01:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41060	12/05/22 14:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40904	12/02/22 14:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	40765	12/01/22 10:39	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40737	12/02/22 07:01	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	40723	11/30/22 15:41	SMC	EET MID
Soluble	Analysis	300.0		1			40841	12/02/22 04:33	SMC	EET MID

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

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

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

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

Method Summary

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

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

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

Sample Summary

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3569-1
SDG: 226349

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3569-1	SW-1	Solid	11/28/22 00:00	11/28/22 16:35	
890-3569-2	SW-2	Solid	11/28/22 00:00	11/28/22 16:35	
890-3569-3	SW-3	Solid	11/28/22 00:00	11/28/22 16:35	
890-3569-4	SW-4	Solid	11/28/22 00:00	11/28/22 16:35	
890-3569-5	SW-5	Solid	11/28/22 00:00	11/28/22 16:35	
890-3569-6	SW-6	Solid	11/28/22 00:00	11/28/22 16:35	
890-3569-7	SW-7	Solid	11/28/22 00:00	11/28/22 16:35	
890-3569-8	S-1 (2')	Solid	11/28/22 00:00	11/28/22 16:35	2
890-3569-9	S-2 (2')	Solid	11/28/22 00:00	11/28/22 16:35	2
890-3569-10	S-3 (4')	Solid	11/28/22 00:00	11/28/22 16:35	4
890-3569-11	S-4 (4')	Solid	11/28/22 00:00	11/28/22 16:35	4
890-3569-12	S-5 (4')	Solid	11/28/22 00:00	11/28/22 16:35	4
890-3569-13	S-6 (4')	Solid	11/28/22 00:00	11/28/22 16:35	4
890-3569-14	S-7 (4')	Solid	11/28/22 00:00	11/28/22 16:35	4
890-3569-15	S-8 (4')	Solid	11/28/22 00:00	11/28/22 16:35	4
890-3569-16	S-9 (4')	Solid	11/28/22 00:00	11/28/22 16:35	4
890-3569-17	S-10 (4')	Solid	11/28/22 00:00	11/28/22 16:35	4
890-3569-18	S-11 (4')	Solid	11/28/22 00:00	11/28/22 16:35	4
890-3569-19	S-12 (4')	Solid	11/28/22 00:00	11/28/22 16:35	4




Work Order No: _____

Page 1 of 2

Project Manager:	Gordon Banks	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	Caza Petroleum
Address:	402 E Wood Ave	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	281 682-7998	Email:	



Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: _____	

Project Name:		Foreland Ranch		Turn Around								Pres. Code		ANALYSIS REQUEST								Preservative Codes					
Project Number:		226349		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush																		None; NO					
Project Location		Eddy County		Due Date:																		Cool; Cool MeOH; Me					
Sampler's Name:		Tyler Kimball		TAT starts the day received by the lab, if received by 4:30pm																		HCL; HC HNO ₃ ; HN					
PO #:																						H ₂ SO ₄ ; H ₂					
SAMPLE RECEIPT		Temp Blank:		<input checked="" type="radio"/> Yes / <input type="radio"/> No		Wet Ice:		<input checked="" type="radio"/> Yes / <input type="radio"/> No												H ₃ PO ₄ ; HP							
Received Intact:		(Yes) No		Thermometer ID:		7M2003														NaHSO ₄ ; NABIS							
Cooder Custody Seals:		Yes No (N/A)		Correction Factor:		-0.0														Na ₂ S ₂ O ₃ ; NaSO ₃							
Sample Custody Seals:		Yes No (N/A)		Temperature Reading:		7.0														Zn Acetate+NaOH; Zn							
Total Containers:		19		Corrected Temperature:		7.0														NaOH+Ascorbic Acid; SAPC							
Parameters																								HOLD			
BTEX 8021B																											
H 8015M (GRO + DRO + MRO)																											
Chloride 4500																											
 890-3569 Chain of Custody																											

[illegible]

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco. Its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expense 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
		11-28-22 1635			

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Chain of Custody

Work Order No: _____

Page 2 of 2

Project Manager:	Gordon Banks	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	Caza Petroleum
Address:	402 E Wood Ave	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	281 682-7998	Email:	

Work Order Comments	
Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund	
State of Project:	
Reporting Level: <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV	
Deliverables: <input type="checkbox"/> EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Forehand Ranch	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes		
Project Number:	226349																	None: NO	DI Water: H ₂ O	
Project Location:	Eddy County	Due Date:																Cool: Cool	MeOH: Me	
Sampler's Name:	Tyler Kimball	TAT starts the day received by the lab, if received by 4:30pm																HCL: HC	HNO ₃ : HN	
PO #:																		H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT	Temp Blank:	Yes	No	Well Ice:	Yes	No													H ₃ PO ₄ : HP	
Received Intact:	Yes	No	Thermometer ID:															NaHSO ₄ : NABIS		
Cooler Custody Seals:	Yes	No	Correction Factor:															Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:	Yes	No	Temperature Reading:															Zn Acetate+NaOH: Zn		
Total Containers:	19	Corrected Temperature:																NaOH+Ascorbic Acid: SAPC		

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments	
S-4 (4')	11/28/2022				Comp	1	BTEX 8021B													
S-5 (4')	11/28/2022				Comp	1	TPH 8015M (GRO + DRO + MRO)													
S-6 (4')	11/28/2022				Comp	1	Chloride 4500													
S-7 (4')	11/28/2022				Comp	1														
S-8 (4')	11/28/2022				Comp	1														
S-9 (4')	11/28/2022				Comp	1														
S-10 (4')	11/28/2022				Comp	1														
S-11 (4')	11/28/2022				Comp	1														
S-12 (4')	11/28/2022				Comp	1														

Additional Comments:

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

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

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-3569-1

SDG Number: 226349

Login Number: 3569

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
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.	N/A	Refer to Job Narrative for details.
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	

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-3569-1

SDG Number: 226349

Login Number: 3569

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 11/30/22 12:31 PM

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: C Davis

NT Global

701 Tradewinds Blvd

Midland, Texas 79706

Generated 12/27/2022 9:17:54 AM

JOB DESCRIPTION

Forehand Ranch

SDG NUMBER Eddy County NM

JOB NUMBER

890-3653-1


Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
12/27/2022 9:17:54 AM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: NT Global
Project/Site: Forehand Ranch

Laboratory Job ID: 890-3653-1
SDG: Eddy County NM

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Definitions/Glossary

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3653-1
SDG: Eddy County NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3653-1
SDG: Eddy County NM

Job ID: 890-3653-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3653-1

Receipt

The samples were received on 12/14/2022 1:35 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 6.4°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-9 (5') (890-3653-1), SW-8 (890-3653-2), SW-9 (890-3653-3) and SW-10 (890-3653-4).

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-22702-A-66-A), (880-22702-A-66-B MS) and (880-22702-A-66-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-41834 and analytical batch 880-41874 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

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

Client Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3653-1
SDG: Eddy County NM

Client Sample ID: CS-9 (5')

Lab Sample ID: 890-3653-1

Date Collected: 12/14/22 00:00

Matrix: Solid

Date Received: 12/14/22 13:35

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/22/22 12:14	12/27/22 00:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/22/22 12:14	12/27/22 00:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/22/22 12:14	12/27/22 00:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/22/22 12:14	12/27/22 00:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/22/22 12:14	12/27/22 00:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/22/22 12:14	12/27/22 00:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	12/22/22 12:14	12/27/22 00:52	1
1,4-Difluorobenzene (Surr)	108		70 - 130	12/22/22 12:14	12/27/22 00:52	1

Method: TAL SOP 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			12/27/22 09:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/15/22 16:24	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/15/22 12:00	12/15/22 14:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/15/22 12:00	12/15/22 14:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/15/22 12:00	12/15/22 14:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	12/15/22 12:00	12/15/22 14:55	1
o-Terphenyl	95		70 - 130	12/15/22 12:00	12/15/22 14:55	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.5		5.04		mg/Kg			12/15/22 19:57	1

Client Sample ID: SW-8

Lab Sample ID: 890-3653-2

Date Collected: 12/14/22 00:00

Matrix: Solid

Date Received: 12/14/22 13:35

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/22/22 12:14	12/27/22 01:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/22/22 12:14	12/27/22 01:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/22/22 12:14	12/27/22 01:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/22/22 12:14	12/27/22 01:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/22/22 12:14	12/27/22 01:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/22/22 12:14	12/27/22 01:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	12/22/22 12:14	12/27/22 01:13	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/22/22 12:14	12/27/22 01:13	1

Eurofins Carlsbad

Client Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3653-1
SDG: Eddy County NM

Client Sample ID: SW-8

Lab Sample ID: 890-3653-2

Date Collected: 12/14/22 00:00

Matrix: Solid

Date Received: 12/14/22 13:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/27/22 09:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/15/22 16:24	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/15/22 12:00	12/15/22 15:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/15/22 12:00	12/15/22 15:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/15/22 12:00	12/15/22 15:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/15/22 12:00	12/15/22 15:17	1
o-Terphenyl	88		70 - 130				12/15/22 12:00	12/15/22 15:17	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.91		5.03		mg/Kg			12/15/22 20:02	1

Client Sample ID: SW-9

Lab Sample ID: 890-3653-3

Date Collected: 12/14/22 00:00

Matrix: Solid

Date Received: 12/14/22 13:35

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/22/22 12:14	12/27/22 01:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/22/22 12:14	12/27/22 01:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/22/22 12:14	12/27/22 01:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/22/22 12:14	12/27/22 01:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/22/22 12:14	12/27/22 01:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/22/22 12:14	12/27/22 01:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				12/22/22 12:14	12/27/22 01:34	1
1,4-Difluorobenzene (Surr)	104		70 - 130				12/22/22 12:14	12/27/22 01:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/27/22 09:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/15/22 16:24	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/15/22 12:00	12/15/22 15:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/15/22 12:00	12/15/22 15:39	1

Eurofins Carlsbad

Client Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3653-1
SDG: Eddy County NM

Client Sample ID: SW-9

Lab Sample ID: 890-3653-3

Date Collected: 12/14/22 00:00

Matrix: Solid

Date Received: 12/14/22 13:35

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/15/22 12:00	12/15/22 15:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				12/15/22 12:00	12/15/22 15:39	1
o-Terphenyl	73		70 - 130				12/15/22 12:00	12/15/22 15:39	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.0		5.05		mg/Kg			12/15/22 20:07	1

Client Sample ID: SW-10

Lab Sample ID: 890-3653-4

Date Collected: 12/14/22 00:00

Matrix: Solid

Date Received: 12/14/22 13:35

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/22/22 12:14	12/27/22 01:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/22/22 12:14	12/27/22 01:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/22/22 12:14	12/27/22 01:55	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/22/22 12:14	12/27/22 01:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/22/22 12:14	12/27/22 01:55	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/22/22 12:14	12/27/22 01:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				12/22/22 12:14	12/27/22 01:55	1
1,4-Difluorobenzene (Surr)	106		70 - 130				12/22/22 12:14	12/27/22 01:55	1

Method: TAL SOP 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			12/27/22 09:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/15/22 16:24	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/15/22 12:00	12/15/22 16:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/15/22 12:00	12/15/22 16:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/15/22 12:00	12/15/22 16:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				12/15/22 12:00	12/15/22 16:01	1
o-Terphenyl	74		70 - 130				12/15/22 12:00	12/15/22 16:01	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.6		4.95		mg/Kg			12/15/22 20:12	1

Eurofins Carlsbad

Surrogate Summary

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3653-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-3653-1	CS-9 (5')	118	108
890-3653-2	SW-8	120	105
890-3653-3	SW-9	116	104
890-3653-4	SW-10	118	106
890-3662-A-1-H MS	Matrix Spike	114	101
890-3662-A-1-I MSD	Matrix Spike Duplicate	99	94
LCS 880-42514/1-A	Lab Control Sample	96	93
LCSD 880-42514/2-A	Lab Control Sample Dup	98	93
MB 880-42487/5-A	Method Blank	97	92
MB 880-42514/5-A	Method Blank	107	97

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-22702-A-66-B MS	Matrix Spike	132 S1+	95
880-22702-A-66-C MSD	Matrix Spike Duplicate	136 S1+	97
890-3653-1	CS-9 (5')	98	95
890-3653-2	SW-8	99	88
890-3653-3	SW-9	78	73
890-3653-4	SW-10	81	74
LCS 880-41834/2-A	Lab Control Sample	94	103
LCSD 880-41834/3-A	Lab Control Sample Dup	101	112
MB 880-41834/1-A	Method Blank	130	123

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3653-1
SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-42487/5-A

Matrix: Solid

Analysis Batch: 42596

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42487

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/22/22 10:36	12/26/22 13:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/22/22 10:36	12/26/22 13:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/22/22 10:36	12/26/22 13:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/22/22 10:36	12/26/22 13:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/22/22 10:36	12/26/22 13:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/22/22 10:36	12/26/22 13:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	12/22/22 10:36	12/26/22 13:51	1
1,4-Difluorobenzene (Surr)	92		70 - 130	12/22/22 10:36	12/26/22 13:51	1

Lab Sample ID: MB 880-42514/5-A

Matrix: Solid

Analysis Batch: 42596

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42514

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/22/22 12:14	12/26/22 23:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/22/22 12:14	12/26/22 23:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/22/22 12:14	12/26/22 23:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/22/22 12:14	12/26/22 23:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/22/22 12:14	12/26/22 23:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/22/22 12:14	12/26/22 23:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	12/22/22 12:14	12/26/22 23:30	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/22/22 12:14	12/26/22 23:30	1

Lab Sample ID: LCS 880-42514/1-A

Matrix: Solid

Analysis Batch: 42596

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42514

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09444		mg/Kg		94	70 - 130
Toluene	0.100	0.09109		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.08635		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1924		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09703		mg/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 880-42514/2-A

Matrix: Solid

Analysis Batch: 42596

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42514

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09605		mg/Kg		96	70 - 130	2	35

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QC Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3653-1
SDG: Eddy County NM

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

Lab Sample ID: LCSD 880-42514/2-A

Matrix: Solid

Analysis Batch: 42596

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42514

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Toluene	0.100	0.09288		mg/Kg		93	70 - 130	2		35
Ethylbenzene	0.100	0.08850		mg/Kg		89	70 - 130	2		35
m-Xylene & p-Xylene	0.200	0.1984		mg/Kg		99	70 - 130	3		35
o-Xylene	0.100	0.1003		mg/Kg		100	70 - 130	3		35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 890-3662-A-1-H MS

Matrix: Solid

Analysis Batch: 42596

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 42514

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Benzene	<0.00201	U	0.100	0.08976		mg/Kg		90	70 - 130	
Toluene	<0.00201	U F1	0.100	0.07517		mg/Kg		75	70 - 130	
Ethylbenzene	<0.00201	U F1	0.100	0.05923	F1	mg/Kg		59	70 - 130	
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.1329	F1	mg/Kg		66	70 - 130	
o-Xylene	<0.00201	U F1	0.100	0.06702	F1	mg/Kg		67	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-3662-A-1-I MSD

Matrix: Solid

Analysis Batch: 42596

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 42514

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Benzene	<0.00201	U	0.0996	0.07551		mg/Kg		76	70 - 130	17
Toluene	<0.00201	U F1	0.0996	0.06302	F1	mg/Kg		63	70 - 130	18
Ethylbenzene	<0.00201	U F1	0.0996	0.04699	F1	mg/Kg		47	70 - 130	23
m-Xylene & p-Xylene	<0.00402	U F1	0.199	0.1036	F1	mg/Kg		52	70 - 130	25
o-Xylene	<0.00201	U F1	0.0996	0.05231	F1	mg/Kg		53	70 - 130	25

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

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

Lab Sample ID: MB 880-41834/1-A

Matrix: Solid

Analysis Batch: 41874

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41834

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/14/22 13:21	12/15/22 08:42	1

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QC Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3653-1
SDG: Eddy County NM

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

Lab Sample ID: MB 880-41834/1-A

Matrix: Solid

Analysis Batch: 41874

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41834

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/14/22 13:21	12/15/22 08:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/14/22 13:21	12/15/22 08:42	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	130		70 - 130				12/14/22 13:21	12/15/22 08:42	1
o-Terphenyl	123		70 - 130				12/14/22 13:21	12/15/22 08:42	1

Lab Sample ID: LCS 880-41834/2-A

Matrix: Solid

Analysis Batch: 41874

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41834

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	842.1		mg/Kg		84	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	855.1		mg/Kg		86	70 - 130		
Surrogate	LCS	LCS	Limits						
1-Chlorooctane	94		70 - 130						
o-Terphenyl	103		70 - 130						

Lab Sample ID: LCSD 880-41834/3-A

Matrix: Solid

Analysis Batch: 41874

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41834

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	923.6		mg/Kg		92	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	985.0		mg/Kg		99	70 - 130	14	20
Surrogate	LCSD	LCSD	Limits						
1-Chlorooctane	101		70 - 130						
o-Terphenyl	112		70 - 130						

Lab Sample ID: 880-22702-A-66-B MS

Matrix: Solid

Analysis Batch: 41874

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 41834

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
	Result	Qualifier									
Gasoline Range Organics (GRO)-C6-C10	2370	F1	999	2758	F1	mg/Kg		39	70 - 130		
Diesel Range Organics (Over C10-C28)	2240	F1	999	2784	F1	mg/Kg		55	70 - 130		
Surrogate	MS	MS	Limits								
1-Chlorooctane	132	S1+	70 - 130								
o-Terphenyl	95		70 - 130								

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QC Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3653-1
SDG: Eddy County NM

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

Lab Sample ID: 880-22702-A-66-C MSD

Matrix: Solid

Analysis Batch: 41874

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 41834

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	2370	F1	997	2823	F1	mg/Kg		45	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	2240	F1	997	2911	F1	mg/Kg		67	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	136	S1+	70 - 130								
o-Terphenyl	97		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-41907/1-A

Matrix: Solid

Analysis Batch: 41937

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/15/22 19:28	1

Lab Sample ID: LCS 880-41907/2-A

Matrix: Solid

Analysis Batch: 41937

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	239.2		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-41907/3-A

Matrix: Solid

Analysis Batch: 41937

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	234.5		mg/Kg		94	90 - 110	2	20

Lab Sample ID: 890-3651-A-1-B MS

Matrix: Solid

Analysis Batch: 41937

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	80.6		250	326.6		mg/Kg		98	90 - 110

Lab Sample ID: 890-3651-A-1-C MSD

Matrix: Solid

Analysis Batch: 41937

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	80.6		250	323.1		mg/Kg		97	90 - 110	1	20

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QC Association Summary

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3653-1
SDG: Eddy County NM

GC VOA

Prep Batch: 42487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-42487/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 42514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3653-1	CS-9 (5')	Total/NA	Solid	5035	
890-3653-2	SW-8	Total/NA	Solid	5035	
890-3653-3	SW-9	Total/NA	Solid	5035	
890-3653-4	SW-10	Total/NA	Solid	5035	
MB 880-42514/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42514/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42514/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3662-A-1-H MS	Matrix Spike	Total/NA	Solid	5035	
890-3662-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 42596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3653-1	CS-9 (5')	Total/NA	Solid	8021B	42514
890-3653-2	SW-8	Total/NA	Solid	8021B	42514
890-3653-3	SW-9	Total/NA	Solid	8021B	42514
890-3653-4	SW-10	Total/NA	Solid	8021B	42514
MB 880-42487/5-A	Method Blank	Total/NA	Solid	8021B	42487
MB 880-42514/5-A	Method Blank	Total/NA	Solid	8021B	42514
LCS 880-42514/1-A	Lab Control Sample	Total/NA	Solid	8021B	42514
LCSD 880-42514/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42514
890-3662-A-1-H MS	Matrix Spike	Total/NA	Solid	8021B	42514
890-3662-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	42514

Analysis Batch: 42650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3653-1	CS-9 (5')	Total/NA	Solid	Total BTEX	
890-3653-2	SW-8	Total/NA	Solid	Total BTEX	
890-3653-3	SW-9	Total/NA	Solid	Total BTEX	
890-3653-4	SW-10	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 41834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3653-1	CS-9 (5')	Total/NA	Solid	8015NM Prep	
890-3653-2	SW-8	Total/NA	Solid	8015NM Prep	
890-3653-3	SW-9	Total/NA	Solid	8015NM Prep	
890-3653-4	SW-10	Total/NA	Solid	8015NM Prep	
MB 880-41834/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41834/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22702-A-66-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-22702-A-66-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 41874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3653-1	CS-9 (5')	Total/NA	Solid	8015B NM	41834

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QC Association Summary

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3653-1
SDG: Eddy County NM

GC Semi VOA (Continued)

Analysis Batch: 41874 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3653-2	SW-8	Total/NA	Solid	8015B NM	41834
890-3653-3	SW-9	Total/NA	Solid	8015B NM	41834
890-3653-4	SW-10	Total/NA	Solid	8015B NM	41834
MB 880-41834/1-A	Method Blank	Total/NA	Solid	8015B NM	41834
LCS 880-41834/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41834
LCSD 880-41834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41834
880-22702-A-66-B MS	Matrix Spike	Total/NA	Solid	8015B NM	41834
880-22702-A-66-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	41834

Analysis Batch: 41952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3653-1	CS-9 (5')	Total/NA	Solid	8015 NM	
890-3653-2	SW-8	Total/NA	Solid	8015 NM	
890-3653-3	SW-9	Total/NA	Solid	8015 NM	
890-3653-4	SW-10	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 41907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3653-1	CS-9 (5')	Soluble	Solid	DI Leach	
890-3653-2	SW-8	Soluble	Solid	DI Leach	
890-3653-3	SW-9	Soluble	Solid	DI Leach	
890-3653-4	SW-10	Soluble	Solid	DI Leach	
MB 880-41907/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41907/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41907/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3651-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-3651-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 41937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3653-1	CS-9 (5')	Soluble	Solid	300.0	41907
890-3653-2	SW-8	Soluble	Solid	300.0	41907
890-3653-3	SW-9	Soluble	Solid	300.0	41907
890-3653-4	SW-10	Soluble	Solid	300.0	41907
MB 880-41907/1-A	Method Blank	Soluble	Solid	300.0	41907
LCS 880-41907/2-A	Lab Control Sample	Soluble	Solid	300.0	41907
LCSD 880-41907/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41907
890-3651-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	41907
890-3651-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	41907

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Lab Chronicle

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3653-1
SDG: Eddy County NM

Client Sample ID: CS-9 (5')

Lab Sample ID: 890-3653-1

Date Collected: 12/14/22 00:00

Matrix: Solid

Date Received: 12/14/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	42514	12/22/22 12:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42596	12/27/22 00:52	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			42650	12/27/22 09:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			41952	12/15/22 16:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41834	12/15/22 12:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41874	12/15/22 14:55	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	41907	12/15/22 11:04	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41937	12/15/22 19:57	CH	EET MID

Client Sample ID: SW-8

Lab Sample ID: 890-3653-2

Date Collected: 12/14/22 00:00

Matrix: Solid

Date Received: 12/14/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42514	12/22/22 12:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42596	12/27/22 01:13	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			42650	12/27/22 09:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			41952	12/15/22 16:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41834	12/15/22 12:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41874	12/15/22 15:17	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	41907	12/15/22 11:04	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41937	12/15/22 20:02	CH	EET MID

Client Sample ID: SW-9

Lab Sample ID: 890-3653-3

Date Collected: 12/14/22 00:00

Matrix: Solid

Date Received: 12/14/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	42514	12/22/22 12:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42596	12/27/22 01:34	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			42650	12/27/22 09:32	AJ	EET MID
Total/NA	Analysis	8015 NM		1			41952	12/15/22 16:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41834	12/15/22 12:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41874	12/15/22 15:39	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	41907	12/15/22 11:04	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41937	12/15/22 20:07	CH	EET MID

Client Sample ID: SW-10

Lab Sample ID: 890-3653-4

Date Collected: 12/14/22 00:00

Matrix: Solid

Date Received: 12/14/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	42514	12/22/22 12:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42596	12/27/22 01:55	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			42650	12/27/22 09:32	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3653-1
SDG: Eddy County NM

Client Sample ID: SW-10
Date Collected: 12/14/22 00:00
Date Received: 12/14/22 13:35

Lab Sample ID: 890-3653-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			41952	12/15/22 16:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41834	12/15/22 12:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41874	12/15/22 16:01	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	41907	12/15/22 11:04	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	41937	12/15/22 20:12	CH	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3653-1
SDG: Eddy County NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

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

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

Method Summary

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3653-1
SDG: Eddy County NM

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

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

Sample Summary

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3653-1
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-3653-1	CS-9 (5')	Solid	12/14/22 00:00	12/14/22 13:35
890-3653-2	SW-8	Solid	12/14/22 00:00	12/14/22 13:35
890-3653-3	SW-9	Solid	12/14/22 00:00	12/14/22 13:35
890-3653-4	SW-10	Solid	12/14/22 00:00	12/14/22 13:35

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Chain of Custody

Work Order No: _____

Page 1 of 1

Project Manager:	Gordon Banks	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	Caza
Address:	402 E Wood Ave	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	281 682-7998	Email:	



Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: <input type="checkbox"/>	

Project Name:	Foreland Ranch	Tum Around	Pres. Code	ANALYSIS REQUEST						Preservative Codes					
Project Number:	226349	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush										None: NO	DI Water: H ₂ O		
Project Location:	Eddy County, NM	Due Date:	24HR									Cool: Cool	MeOH: Me		
Sampler's Name:	Kellan Smith	TAT starts the day received by the lab, if received by 4:30pm										HCL: HC	HNO ₃ : HN		
PO #:												H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT	Tamp Blank:	<input checked="" type="radio"/> Yes <input type="radio"/> No	Well Ice:	<input checked="" type="radio"/> Yes <input type="radio"/> No											
Received Intact:	<input checked="" type="radio"/> Yes <input type="radio"/> No	Thermometer ID:	7111007												
Cooler Custody Seals:	<input checked="" type="radio"/> Yes <input type="radio"/> No	N/A	Correction Factor:	-0.2											
Sample Custody Seals:	<input checked="" type="radio"/> Yes <input type="radio"/> No	N/A	Temperature Reading:	16.16											
Total Containers:	4	Corrected Temperature:	16.4												
Parameters															
BTEX 8021B															
H 8015M (GRO + DRO + MRO)															
Chloride 4500															
 890-3653 Chain of Custody															
HOLD															
H ₃ PO ₄ : HP															
NaHSO ₄ : NABIS															
Na ₂ S ₂ O ₃ : NaSO ₃															
Zn Acetate+NaOH: Zn															
NaOH+Ascorbic Acid: SASC															

[illegible]

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		12-14-22 1335			

Printed Date: 05/01/2020 Row: 2020

Eurofins Carlsbad

1089 N Canal St.
Carlsbad, NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing

[illegible]

1089 N Canal St
Carlsbad, NM 88220
Phone 575-988-3199 Fax. 575-988-3199

Chain of Custody Record



Environment Testing

[illegible]

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-3653-1

SDG Number: Eddy County NM

Login Number: 3653

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
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.	N/A	Refer to Job Narrative for details.
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	

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-3653-1

SDG Number: Eddy County NM

Login Number: 3653

List Number: 2

Creator: Teel, Brianna

List Source: Eurofins Midland

List Creation: 12/15/22 11:29 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
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").	True	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Gordon Banks

NT Global

701 Tradewinds Blvd

Midland, Texas 79706

Generated 2/4/2023 9:29:26 AM

JOB DESCRIPTION

Forehand Ranch

SDG NUMBER 226349

JOB NUMBER

890-3914-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
2/4/2023 9:29:26 AM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: NT Global
Project/Site: Forehand Ranch

Laboratory Job ID: 890-3914-1
SDG: 226349

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Definitions/Glossary

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

Job ID: 890-3914-1

Laboratory: Eurofins Carlsbad

Narrative

**Job Narrative
890-3914-1**

Receipt

The samples were received on 1/20/2023 9:57 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 5.4°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-11 (0-4') (890-3914-1), SW-12 (0-4') (890-3914-2), SW-13 (0-4') (890-3914-3), SW-14 (0-4') (890-3914-4), CS-12 (4') (890-3914-5), CS-13 (4') (890-3914-6), CS-14 (4') (890-3914-7), CS-15 (4') (890-3914-8), CS-16 (4') (890-3914-9), CS-17 (4') (890-3914-10), CS-18 (4') (890-3914-11), CS-19 (4') (890-3914-12) and CS-20 (4') (890-3914-13).

The following sample(s) was listed on the Chain of Custody (COC); however, no sample(s) was received Sample #5 was on COC, did not receive sample.

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-45260 and analytical batch 880-45231 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is 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

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-45246 and analytical batch 880-45303 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-44760 and analytical batch 880-44877 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

Client Sample ID: SW-11 (0-4')

Lab Sample ID: 890-3914-1

Date Collected: 01/20/23 08:00

Matrix: Solid

Date Received: 01/20/23 09:57

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/02/23 09:32	02/02/23 16:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/02/23 09:32	02/02/23 16:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/02/23 09:32	02/02/23 16:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/02/23 09:32	02/02/23 16:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/02/23 09:32	02/02/23 16:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/02/23 09:32	02/02/23 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	02/02/23 09:32	02/02/23 16:39	1
1,4-Difluorobenzene (Surr)	98		70 - 130	02/02/23 09:32	02/02/23 16:39	1

Method: TAL SOP 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			02/03/23 08:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	58.1		50.0		mg/Kg			02/04/23 09:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		02/02/23 10:56	02/03/23 21:02	1
Diesel Range Organics (Over C10-C28)	58.1		50.0		mg/Kg		02/02/23 10:56	02/03/23 21:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/23 10:56	02/03/23 21:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	02/02/23 10:56	02/03/23 21:02	1
o-Terphenyl	80		70 - 130	02/02/23 10:56	02/03/23 21:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	247		5.00		mg/Kg			01/27/23 19:35	1

Client Sample ID: SW-12 (0-4')

Lab Sample ID: 890-3914-2

Date Collected: 01/20/23 08:00

Matrix: Solid

Date Received: 01/20/23 09:57

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/02/23 09:32	02/02/23 16:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/02/23 09:32	02/02/23 16:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/02/23 09:32	02/02/23 16:59	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/02/23 09:32	02/02/23 16:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/02/23 09:32	02/02/23 16:59	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/02/23 09:32	02/02/23 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	02/02/23 09:32	02/02/23 16:59	1
1,4-Difluorobenzene (Surr)	109		70 - 130	02/02/23 09:32	02/02/23 16:59	1

Eurofins Carlsbad

Client Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

Client Sample ID: SW-12 (0-4')

Lab Sample ID: 890-3914-2

Date Collected: 01/20/23 08:00

Matrix: Solid

Date Received: 01/20/23 09:57

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/03/23 08:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/04/23 09:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		02/02/23 10:56	02/03/23 22:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 10:56	02/03/23 22:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 10:56	02/03/23 22:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				02/02/23 10:56	02/03/23 22:02	1
o-Terphenyl	83		70 - 130				02/02/23 10:56	02/03/23 22:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13600		101		mg/Kg			01/27/23 19:40	20

Client Sample ID: SW-13 (0-4')

Lab Sample ID: 890-3914-3

Date Collected: 01/20/23 08:00

Matrix: Solid

Date Received: 01/20/23 09:57

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/02/23 09:32	02/02/23 17:20	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/02/23 09:32	02/02/23 17:20	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/02/23 09:32	02/02/23 17:20	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/02/23 09:32	02/02/23 17:20	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/02/23 09:32	02/02/23 17:20	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/02/23 09:32	02/02/23 17:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				02/02/23 09:32	02/02/23 17:20	1
1,4-Difluorobenzene (Surr)	112		70 - 130				02/02/23 09:32	02/02/23 17:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/03/23 08:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/04/23 09:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		02/02/23 10:56	02/03/23 22:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/23 10:56	02/03/23 22:23	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

Client Sample ID: SW-13 (0-4')

Lab Sample ID: 890-3914-3

Date Collected: 01/20/23 08:00

Matrix: Solid

Date Received: 01/20/23 09:57

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/23 10:56	02/03/23 22:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				02/02/23 10:56	02/03/23 22:23	1
o-Terphenyl	84		70 - 130				02/02/23 10:56	02/03/23 22:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6170		50.2		mg/Kg			01/27/23 19:45	10

Client Sample ID: SW-14 (0-4')

Lab Sample ID: 890-3914-4

Date Collected: 01/20/23 08:00

Matrix: Solid

Date Received: 01/20/23 09:57

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:32	02/02/23 17:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:32	02/02/23 17:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:32	02/02/23 17:41	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/02/23 09:32	02/02/23 17:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:32	02/02/23 17:41	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/02/23 09:32	02/02/23 17:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				02/02/23 09:32	02/02/23 17:41	1
1,4-Difluorobenzene (Surr)	110		70 - 130				02/02/23 09:32	02/02/23 17:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/03/23 08:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/04/23 09:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		02/02/23 10:56	02/03/23 22:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/23 10:56	02/03/23 22:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/23 10:56	02/03/23 22:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				02/02/23 10:56	02/03/23 22:44	1
o-Terphenyl	86		70 - 130				02/02/23 10:56	02/03/23 22:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	311		4.98		mg/Kg			01/27/23 19:49	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

Client Sample ID: CS-13 (4')

Lab Sample ID: 890-3914-6

Date Collected: 01/20/23 08:00

Matrix: Solid

Date Received: 01/20/23 09:57

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/02/23 09:32	02/02/23 18:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/02/23 09:32	02/02/23 18:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/02/23 09:32	02/02/23 18:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/02/23 09:32	02/02/23 18:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/02/23 09:32	02/02/23 18:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/02/23 09:32	02/02/23 18:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	02/02/23 09:32	02/02/23 18:02	1
1,4-Difluorobenzene (Surr)	109		70 - 130	02/02/23 09:32	02/02/23 18:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/03/23 08:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/04/23 09:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		02/02/23 10:56	02/03/23 23:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 10:56	02/03/23 23:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 10:56	02/03/23 23:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	02/02/23 10:56	02/03/23 23:05	1
o-Terphenyl	89		70 - 130	02/02/23 10:56	02/03/23 23:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	134	F1	4.96		mg/Kg			01/27/23 19:54	1

Client Sample ID: CS-14 (4')

Lab Sample ID: 890-3914-7

Date Collected: 01/20/23 08:00

Matrix: Solid

Date Received: 01/20/23 09:57

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:32	02/02/23 18:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:32	02/02/23 18:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:32	02/02/23 18:22	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/02/23 09:32	02/02/23 18:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:32	02/02/23 18:22	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/02/23 09:32	02/02/23 18:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	02/02/23 09:32	02/02/23 18:22	1
1,4-Difluorobenzene (Surr)	105		70 - 130	02/02/23 09:32	02/02/23 18:22	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

Client Sample ID: CS-14 (4')

Lab Sample ID: 890-3914-7

Date Collected: 01/20/23 08:00

Matrix: Solid

Date Received: 01/20/23 09:57

Method: TAL SOP 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			02/03/23 08:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/04/23 09:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		02/02/23 10:56	02/03/23 23:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 10:56	02/03/23 23:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 10:56	02/03/23 23:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				02/02/23 10:56	02/03/23 23:25	1
o-Terphenyl	77		70 - 130				02/02/23 10:56	02/03/23 23:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<25.2	U	25.2		mg/Kg			01/27/23 20:09	5

Client Sample ID: CS-15 (4')

Lab Sample ID: 890-3914-8

Date Collected: 01/20/23 08:00

Matrix: Solid

Date Received: 01/20/23 09:57

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:32	02/02/23 18:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:32	02/02/23 18:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:32	02/02/23 18:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/02/23 09:32	02/02/23 18:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:32	02/02/23 18:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/02/23 09:32	02/02/23 18:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				02/02/23 09:32	02/02/23 18:43	1
1,4-Difluorobenzene (Surr)	99		70 - 130				02/02/23 09:32	02/02/23 18:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/03/23 08:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/04/23 09:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		02/02/23 10:56	02/03/23 23:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 10:56	02/03/23 23:46	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

Client Sample ID: CS-15 (4')
Date Collected: 01/20/23 08:00
Date Received: 01/20/23 09:57

Lab Sample ID: 890-3914-8
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 10:56	02/03/23 23:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				02/02/23 10:56	02/03/23 23:46	1
o-Terphenyl	76		70 - 130				02/02/23 10:56	02/03/23 23:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117		4.97		mg/Kg			01/27/23 20:13	1

Client Sample ID: CS-16 (4')
Date Collected: 01/20/23 08:00
Date Received: 01/20/23 09:57

Lab Sample ID: 890-3914-9
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/02/23 09:32	02/02/23 19:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/02/23 09:32	02/02/23 19:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/02/23 09:32	02/02/23 19:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/02/23 09:32	02/02/23 19:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/02/23 09:32	02/02/23 19:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/02/23 09:32	02/02/23 19:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				02/02/23 09:32	02/02/23 19:04	1
1,4-Difluorobenzene (Surr)	103		70 - 130				02/02/23 09:32	02/02/23 19:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/03/23 08:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/04/23 09:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		02/02/23 10:56	02/04/23 00:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 10:56	02/04/23 00:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 10:56	02/04/23 00:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				02/02/23 10:56	02/04/23 00:07	1
o-Terphenyl	77		70 - 130				02/02/23 10:56	02/04/23 00:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.5		5.03		mg/Kg			01/27/23 20:28	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

Client Sample ID: CS-17 (4')

Lab Sample ID: 890-3914-10

Date Collected: 01/20/23 08:00

Matrix: Solid

Date Received: 01/20/23 09:57

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:32	02/02/23 19:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:32	02/02/23 19:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:32	02/02/23 19:24	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/02/23 09:32	02/02/23 19:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:32	02/02/23 19:24	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/02/23 09:32	02/02/23 19:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	02/02/23 09:32	02/02/23 19:24	1
1,4-Difluorobenzene (Surr)	106		70 - 130	02/02/23 09:32	02/02/23 19:24	1

Method: TAL SOP 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			02/03/23 08:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	105		49.9		mg/Kg			02/04/23 09:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		02/02/23 10:56	02/04/23 00:27	1
Diesel Range Organics (Over C10-C28)	105		49.9		mg/Kg		02/02/23 10:56	02/04/23 00:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 10:56	02/04/23 00:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130	02/02/23 10:56	02/04/23 00:27	1
o-Terphenyl	75		70 - 130	02/02/23 10:56	02/04/23 00:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	208		25.0		mg/Kg			01/27/23 20:33	5

Client Sample ID: CS-18 (4')

Lab Sample ID: 890-3914-11

Date Collected: 01/20/23 08:00

Matrix: Solid

Date Received: 01/20/23 09:57

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/02/23 09:32	02/02/23 19:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/02/23 09:32	02/02/23 19:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/02/23 09:32	02/02/23 19:45	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		02/02/23 09:32	02/02/23 19:45	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/02/23 09:32	02/02/23 19:45	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		02/02/23 09:32	02/02/23 19:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	02/02/23 09:32	02/02/23 19:45	1
1,4-Difluorobenzene (Surr)	110		70 - 130	02/02/23 09:32	02/02/23 19:45	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

Client Sample ID: CS-18 (4')

Lab Sample ID: 890-3914-11

Date Collected: 01/20/23 08:00

Matrix: Solid

Date Received: 01/20/23 09:57

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			02/03/23 08:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	60.0		50.0		mg/Kg			02/04/23 09:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		02/02/23 10:56	02/04/23 00:48	1
Diesel Range Organics (Over C10-C28)	60.0		50.0		mg/Kg		02/02/23 10:56	02/04/23 00:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/23 10:56	02/04/23 00:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130				02/02/23 10:56	02/04/23 00:48	1
o-Terphenyl	72		70 - 130				02/02/23 10:56	02/04/23 00:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	474		49.8		mg/Kg			01/27/23 20:37	10

Client Sample ID: CS-19 (4')

Lab Sample ID: 890-3914-12

Date Collected: 01/20/23 08:00

Matrix: Solid

Date Received: 01/20/23 09:57

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/02/23 12:47	02/03/23 00:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/02/23 12:47	02/03/23 00:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/02/23 12:47	02/03/23 00:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/02/23 12:47	02/03/23 00:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/02/23 12:47	02/03/23 00:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/02/23 12:47	02/03/23 00:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				02/02/23 12:47	02/03/23 00:24	1
1,4-Difluorobenzene (Surr)	92		70 - 130				02/02/23 12:47	02/03/23 00:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/03/23 09:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	198		49.9		mg/Kg			02/04/23 09:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		02/02/23 10:56	02/04/23 01:29	1
Diesel Range Organics (Over C10-C28)	198		49.9		mg/Kg		02/02/23 10:56	02/04/23 01:29	1

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Client Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

Client Sample ID: CS-19 (4')

Lab Sample ID: 890-3914-12

Date Collected: 01/20/23 08:00

Matrix: Solid

Date Received: 01/20/23 09:57

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 10:56	02/04/23 01:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				02/02/23 10:56	02/04/23 01:29	1
o-Terphenyl	82		70 - 130				02/02/23 10:56	02/04/23 01:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	889		49.7		mg/Kg			01/27/23 20:42	10

Client Sample ID: CS-20 (4')

Lab Sample ID: 890-3914-13

Date Collected: 01/20/23 08:00

Matrix: Solid

Date Received: 01/20/23 09:57

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/02/23 12:47	02/03/23 00:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/02/23 12:47	02/03/23 00:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/02/23 12:47	02/03/23 00:45	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/02/23 12:47	02/03/23 00:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/02/23 12:47	02/03/23 00:45	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/02/23 12:47	02/03/23 00:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				02/02/23 12:47	02/03/23 00:45	1
1,4-Difluorobenzene (Surr)	84		70 - 130				02/02/23 12:47	02/03/23 00:45	1

Method: TAL SOP 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			02/03/23 09:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/04/23 09:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		02/02/23 10:56	02/04/23 01:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 10:56	02/04/23 01:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 10:56	02/04/23 01:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				02/02/23 10:56	02/04/23 01:49	1
o-Terphenyl	75		70 - 130				02/02/23 10:56	02/04/23 01:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	191		50.2		mg/Kg			01/27/23 20:47	10

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Surrogate Summary

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-23958-A-1-E MS	Matrix Spike	98	96
880-23958-A-1-F MSD	Matrix Spike Duplicate	96	106
890-3914-1	SW-11 (0-4')	110	98
890-3914-2	SW-12 (0-4')	116	109
890-3914-3	SW-13 (0-4')	112	112
890-3914-4	SW-14 (0-4')	116	110
890-3914-6	CS-13 (4')	118	109
890-3914-7	CS-14 (4')	123	105
890-3914-8	CS-15 (4')	119	99
890-3914-9	CS-16 (4')	114	103
890-3914-10	CS-17 (4')	117	106
890-3914-11	CS-18 (4')	109	110
890-3914-12	CS-19 (4')	112	92
890-3914-13	CS-20 (4')	107	84
890-3952-A-1-D MS	Matrix Spike	88	100
890-3952-A-1-E MSD	Matrix Spike Duplicate	91	98
LCS 880-45239/1-A	Lab Control Sample	101	101
LCS 880-45260/1-A	Lab Control Sample	106	101
LCSD 880-45239/2-A	Lab Control Sample Dup	85	89
LCSD 880-45260/2-A	Lab Control Sample Dup	96	110
MB 880-45239/5-A	Method Blank	89	92
MB 880-45241/5-A	Method Blank	75	92
MB 880-45260/5-A	Method Blank	69 S1-	91
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-3914-1	SW-11 (0-4')	77	80
890-3914-1 MS	SW-11 (0-4')	87	78
890-3914-1 MSD	SW-11 (0-4')	87	78
890-3914-2	SW-12 (0-4')	81	83
890-3914-3	SW-13 (0-4')	83	84
890-3914-4	SW-14 (0-4')	84	86
890-3914-6	CS-13 (4')	86	89
890-3914-7	CS-14 (4')	76	77
890-3914-8	CS-15 (4')	75	76
890-3914-9	CS-16 (4')	76	77
890-3914-10	CS-17 (4')	74	75
890-3914-11	CS-18 (4')	70	72
890-3914-12	CS-19 (4')	77	82
890-3914-13	CS-20 (4')	73	75
LCS 880-45246/2-A	Lab Control Sample	95	90
LCSD 880-45246/3-A	Lab Control Sample Dup	89	86

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Surrogate Summary

Client: NT Global

Project/Site: Forehand Ranch

Job ID: 890-3914-1

SDG: 226349

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)				
MB 880-45246/1-A	Method Blank	109	113				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

QC Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-45239/5-A

Matrix: Solid

Analysis Batch: 45230

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45239

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:32	02/02/23 11:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:32	02/02/23 11:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:32	02/02/23 11:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/02/23 09:32	02/02/23 11:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:32	02/02/23 11:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/02/23 09:32	02/02/23 11:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	02/02/23 09:32	02/02/23 11:44	1
1,4-Difluorobenzene (Surr)	92		70 - 130	02/02/23 09:32	02/02/23 11:44	1

Lab Sample ID: LCS 880-45239/1-A

Matrix: Solid

Analysis Batch: 45230

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45239

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09021		mg/Kg		90	70 - 130
Toluene	0.100	0.08826		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.08511		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.1783		mg/Kg		89	70 - 130
o-Xylene	0.100	0.08955		mg/Kg		90	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-45239/2-A

Matrix: Solid

Analysis Batch: 45230

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45239

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08733		mg/Kg		87	70 - 130	3	35
Toluene	0.100	0.08069		mg/Kg		81	70 - 130	9	35
Ethylbenzene	0.100	0.07295		mg/Kg		73	70 - 130	15	35
m-Xylene & p-Xylene	0.200	0.1576		mg/Kg		79	70 - 130	12	35
o-Xylene	0.100	0.08016		mg/Kg		80	70 - 130	11	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 890-3952-A-1-D MS

Matrix: Solid

Analysis Batch: 45230

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 45239

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.101	0.1056		mg/Kg		104	70 - 130
Toluene	<0.00202	U	0.101	0.09701		mg/Kg		96	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

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

Lab Sample ID: 890-3952-A-1-D MS

Matrix: Solid

Analysis Batch: 45230

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 45239

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.101	0.09122		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	<0.00404	U	0.202	0.1893		mg/Kg		94	70 - 130
o-Xylene	<0.00202	U	0.101	0.09385		mg/Kg		93	70 - 130
Surrogate	MS %Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	88		70 - 130						
1,4-Difluorobenzene (Surr)	100		70 - 130						

Lab Sample ID: 890-3952-A-1-E MSD

Matrix: Solid

Analysis Batch: 45230

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 45239

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0996	0.09754		mg/Kg		97	70 - 130	8	35
Toluene	<0.00202	U	0.0996	0.09016		mg/Kg		91	70 - 130	7	35
Ethylbenzene	<0.00202	U	0.0996	0.08326		mg/Kg		84	70 - 130	9	35
m-Xylene & p-Xylene	<0.00404	U	0.199	0.1719		mg/Kg		86	70 - 130	10	35
o-Xylene	<0.00202	U	0.0996	0.08604		mg/Kg		86	70 - 130	9	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	91		70 - 130								
1,4-Difluorobenzene (Surr)	98		70 - 130								

Lab Sample ID: MB 880-45241/5-A

Matrix: Solid

Analysis Batch: 45231

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45241

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:35	02/02/23 11:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:35	02/02/23 11:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:35	02/02/23 11:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/02/23 09:35	02/02/23 11:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:35	02/02/23 11:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/02/23 09:35	02/02/23 11:46	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130				02/02/23 09:35	02/02/23 11:46	1
1,4-Difluorobenzene (Surr)	92		70 - 130				02/02/23 09:35	02/02/23 11:46	1

Lab Sample ID: MB 880-45260/5-A

Matrix: Solid

Analysis Batch: 45231

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45260

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/02/23 12:47	02/02/23 22:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/02/23 12:47	02/02/23 22:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/02/23 12:47	02/02/23 22:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/02/23 12:47	02/02/23 22:21	1

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QC Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

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

Lab Sample ID: MB 880-45260/5-A

Matrix: Solid

Analysis Batch: 45231

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45260

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/02/23 12:47	02/02/23 22:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/02/23 12:47	02/02/23 22:21	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130				02/02/23 12:47	02/02/23 22:21	1
1,4-Difluorobenzene (Surr)	91		70 - 130				02/02/23 12:47	02/02/23 22:21	1

Lab Sample ID: LCS 880-45260/1-A

Matrix: Solid

Analysis Batch: 45231

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45260

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits		
		Result	Qualifier						
Benzene	0.100	0.1073		mg/Kg		107	70 - 130		
Toluene	0.100	0.09934		mg/Kg		99	70 - 130		
Ethylbenzene	0.100	0.1045		mg/Kg		105	70 - 130		
m-Xylene & p-Xylene	0.200	0.2173		mg/Kg		109	70 - 130		
o-Xylene	0.100	0.1087		mg/Kg		109	70 - 130		
Surrogate	LCS	LCS	Limits						
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	106		70 - 130						
1,4-Difluorobenzene (Surr)	101		70 - 130						

Lab Sample ID: LCSD 880-45260/2-A

Matrix: Solid

Analysis Batch: 45231

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45260

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
Benzene	0.100	0.1234		mg/Kg		123	70 - 130	14	35
Toluene	0.100	0.1051		mg/Kg		105	70 - 130	6	35
Ethylbenzene	0.100	0.1023		mg/Kg		102	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2062		mg/Kg		103	70 - 130	5	35
o-Xylene	0.100	0.1025		mg/Kg		103	70 - 130	6	35
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	96		70 - 130						
1,4-Difluorobenzene (Surr)	110		70 - 130						

Lab Sample ID: 880-23958-A-1-E MS

Matrix: Solid

Analysis Batch: 45231

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 45260

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits		
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00201	U F1	0.0996	0.06296	F1	mg/Kg		63	70 - 130		
Toluene	<0.00201	U F1	0.0996	0.06104	F1	mg/Kg		61	70 - 130		
Ethylbenzene	<0.00201	U F1	0.0996	0.07124		mg/Kg		72	70 - 130		
m-Xylene & p-Xylene	<0.00402	U F1	0.199	0.1314	F1	mg/Kg		66	70 - 130		
o-Xylene	<0.00201	U F1	0.0996	0.06715	F1	mg/Kg		67	70 - 130		

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QC Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

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

Lab Sample ID: 880-23958-A-1-E MS

Matrix: Solid

Analysis Batch: 45231

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 45260

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-23958-A-1-F MSD

Matrix: Solid

Analysis Batch: 45231

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 45260

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.100	0.07982		mg/Kg		80	70 - 130	24	35
Toluene	<0.00201	U F1	0.100	0.06423	F1	mg/Kg		64	70 - 130	5	35
Ethylbenzene	<0.00201	U F1	0.100	0.06510	F1	mg/Kg		65	70 - 130	9	35
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.1272	F1	mg/Kg		63	70 - 130	3	35
o-Xylene	<0.00201	U F1	0.100	0.06595	F1	mg/Kg		66	70 - 130	2	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

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

Lab Sample ID: MB 880-45246/1-A

Matrix: Solid

Analysis Batch: 45303

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 45246

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/02/23 10:56	02/03/23 20:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 10:56	02/03/23 20:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 10:56	02/03/23 20:00	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	109		70 - 130	02/02/23 10:56	02/03/23 20:00	1			
o-Terphenyl	113		70 - 130	02/02/23 10:56	02/03/23 20:00	1			

Lab Sample ID: LCS 880-45246/2-A

Matrix: Solid

Analysis Batch: 45303

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 45246

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	999	939.7		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)	999	1084		mg/Kg		108	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	90		70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

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

Lab Sample ID: LCSD 880-45246/3-A

Matrix: Solid

Analysis Batch: 45303

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 45246

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	999	740.5	*1	mg/Kg		74	70 - 130	24	20
Diesel Range Organics (Over C10-C28)	999	953.5		mg/Kg		95	70 - 130	13	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	89		70 - 130						
o-Terphenyl	86		70 - 130						

Lab Sample ID: 890-3914-1 MS

Matrix: Solid

Analysis Batch: 45303

Client Sample ID: SW-11 (0-4')

Prep Type: Total/NA

Prep Batch: 45246

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	1000	890.2		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)	58.1		1000	981.4		mg/Kg		92	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	87		70 - 130								
o-Terphenyl	78		70 - 130								

Lab Sample ID: 890-3914-1 MSD

Matrix: Solid

Analysis Batch: 45303

Client Sample ID: SW-11 (0-4')

Prep Type: Total/NA

Prep Batch: 45246

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	998	893.0		mg/Kg		89	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	58.1		998	984.9		mg/Kg		93	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	87		70 - 130								
o-Terphenyl	78		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-44760/1-A

Matrix: Solid

Analysis Batch: 44877

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/27/23 18:33	1

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QC Sample Results

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-44760/2-A				Client Sample ID: Lab Control Sample						
Matrix: Solid				Prep Type: Soluble						
Analysis Batch: 44877										
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Chloride			250	273.5		mg/Kg		109	90 - 110	

Lab Sample ID: LCSD 880-44760/3-A				Client Sample ID: Lab Control Sample Dup						
Matrix: Solid				Prep Type: Soluble						
Analysis Batch: 44877										
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Chloride			250	274.9		mg/Kg		110	90 - 110	1 20

Lab Sample ID: 890-3914-6 MS				Client Sample ID: CS-13 (4')						
Matrix: Solid				Prep Type: Soluble						
Analysis Batch: 44877										
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Chloride	134	F1	248	425.1	F1	mg/Kg		117	90 - 110	

Lab Sample ID: 890-3914-6 MSD				Client Sample ID: CS-13 (4')						
Matrix: Solid				Prep Type: Soluble						
Analysis Batch: 44877										
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Chloride	134	F1	248	425.6	F1	mg/Kg		118	90 - 110	0 20

QC Association Summary

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

GC VOA

Analysis Batch: 45230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3914-1	SW-11 (0-4')	Total/NA	Solid	8021B	45239
890-3914-2	SW-12 (0-4')	Total/NA	Solid	8021B	45239
890-3914-3	SW-13 (0-4')	Total/NA	Solid	8021B	45239
890-3914-4	SW-14 (0-4')	Total/NA	Solid	8021B	45239
890-3914-6	CS-13 (4')	Total/NA	Solid	8021B	45239
890-3914-7	CS-14 (4')	Total/NA	Solid	8021B	45239
890-3914-8	CS-15 (4')	Total/NA	Solid	8021B	45239
890-3914-9	CS-16 (4')	Total/NA	Solid	8021B	45239
890-3914-10	CS-17 (4')	Total/NA	Solid	8021B	45239
890-3914-11	CS-18 (4')	Total/NA	Solid	8021B	45239
MB 880-45239/5-A	Method Blank	Total/NA	Solid	8021B	45239
LCS 880-45239/1-A	Lab Control Sample	Total/NA	Solid	8021B	45239
LCSD 880-45239/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	45239
890-3952-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	45239
890-3952-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	45239

Analysis Batch: 45231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3914-12	CS-19 (4')	Total/NA	Solid	8021B	45260
890-3914-13	CS-20 (4')	Total/NA	Solid	8021B	45260
MB 880-45241/5-A	Method Blank	Total/NA	Solid	8021B	45241
MB 880-45260/5-A	Method Blank	Total/NA	Solid	8021B	45260
LCS 880-45260/1-A	Lab Control Sample	Total/NA	Solid	8021B	45260
LCSD 880-45260/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	45260
880-23958-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	45260
880-23958-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	45260

Prep Batch: 45239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3914-1	SW-11 (0-4')	Total/NA	Solid	5035	
890-3914-2	SW-12 (0-4')	Total/NA	Solid	5035	
890-3914-3	SW-13 (0-4')	Total/NA	Solid	5035	
890-3914-4	SW-14 (0-4')	Total/NA	Solid	5035	
890-3914-6	CS-13 (4')	Total/NA	Solid	5035	
890-3914-7	CS-14 (4')	Total/NA	Solid	5035	
890-3914-8	CS-15 (4')	Total/NA	Solid	5035	
890-3914-9	CS-16 (4')	Total/NA	Solid	5035	
890-3914-10	CS-17 (4')	Total/NA	Solid	5035	
890-3914-11	CS-18 (4')	Total/NA	Solid	5035	
MB 880-45239/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-45239/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-45239/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3952-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
890-3952-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 45241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-45241/5-A	Method Blank	Total/NA	Solid	5035	

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QC Association Summary

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

GC VOA

Prep Batch: 45260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3914-12	CS-19 (4')	Total/NA	Solid	5035	
890-3914-13	CS-20 (4')	Total/NA	Solid	5035	
MB 880-45260/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-45260/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-45260/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23958-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-23958-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 45312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3914-1	SW-11 (0-4')	Total/NA	Solid	Total BTEX	
890-3914-2	SW-12 (0-4')	Total/NA	Solid	Total BTEX	
890-3914-3	SW-13 (0-4')	Total/NA	Solid	Total BTEX	
890-3914-4	SW-14 (0-4')	Total/NA	Solid	Total BTEX	
890-3914-6	CS-13 (4')	Total/NA	Solid	Total BTEX	
890-3914-7	CS-14 (4')	Total/NA	Solid	Total BTEX	
890-3914-8	CS-15 (4')	Total/NA	Solid	Total BTEX	
890-3914-9	CS-16 (4')	Total/NA	Solid	Total BTEX	
890-3914-10	CS-17 (4')	Total/NA	Solid	Total BTEX	
890-3914-11	CS-18 (4')	Total/NA	Solid	Total BTEX	
890-3914-12	CS-19 (4')	Total/NA	Solid	Total BTEX	
890-3914-13	CS-20 (4')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 45246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3914-1	SW-11 (0-4')	Total/NA	Solid	8015NM Prep	
890-3914-2	SW-12 (0-4')	Total/NA	Solid	8015NM Prep	
890-3914-3	SW-13 (0-4')	Total/NA	Solid	8015NM Prep	
890-3914-4	SW-14 (0-4')	Total/NA	Solid	8015NM Prep	
890-3914-6	CS-13 (4')	Total/NA	Solid	8015NM Prep	
890-3914-7	CS-14 (4')	Total/NA	Solid	8015NM Prep	
890-3914-8	CS-15 (4')	Total/NA	Solid	8015NM Prep	
890-3914-9	CS-16 (4')	Total/NA	Solid	8015NM Prep	
890-3914-10	CS-17 (4')	Total/NA	Solid	8015NM Prep	
890-3914-11	CS-18 (4')	Total/NA	Solid	8015NM Prep	
890-3914-12	CS-19 (4')	Total/NA	Solid	8015NM Prep	
890-3914-13	CS-20 (4')	Total/NA	Solid	8015NM Prep	
MB 880-45246/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45246/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45246/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3914-1 MS	SW-11 (0-4')	Total/NA	Solid	8015NM Prep	
890-3914-1 MSD	SW-11 (0-4')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 45303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3914-1	SW-11 (0-4')	Total/NA	Solid	8015B NM	45246
890-3914-2	SW-12 (0-4')	Total/NA	Solid	8015B NM	45246
890-3914-3	SW-13 (0-4')	Total/NA	Solid	8015B NM	45246
890-3914-4	SW-14 (0-4')	Total/NA	Solid	8015B NM	45246

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QC Association Summary

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

GC Semi VOA (Continued)

Analysis Batch: 45303 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3914-6	CS-13 (4')	Total/NA	Solid	8015B NM	45246
890-3914-7	CS-14 (4')	Total/NA	Solid	8015B NM	45246
890-3914-8	CS-15 (4')	Total/NA	Solid	8015B NM	45246
890-3914-9	CS-16 (4')	Total/NA	Solid	8015B NM	45246
890-3914-10	CS-17 (4')	Total/NA	Solid	8015B NM	45246
890-3914-11	CS-18 (4')	Total/NA	Solid	8015B NM	45246
890-3914-12	CS-19 (4')	Total/NA	Solid	8015B NM	45246
890-3914-13	CS-20 (4')	Total/NA	Solid	8015B NM	45246
MB 880-45246/1-A	Method Blank	Total/NA	Solid	8015B NM	45246
LCS 880-45246/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45246
LCSD 880-45246/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45246
890-3914-1 MS	SW-11 (0-4')	Total/NA	Solid	8015B NM	45246
890-3914-1 MSD	SW-11 (0-4')	Total/NA	Solid	8015B NM	45246

Analysis Batch: 45448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3914-1	SW-11 (0-4')	Total/NA	Solid	8015 NM	
890-3914-2	SW-12 (0-4')	Total/NA	Solid	8015 NM	
890-3914-3	SW-13 (0-4')	Total/NA	Solid	8015 NM	
890-3914-4	SW-14 (0-4')	Total/NA	Solid	8015 NM	
890-3914-6	CS-13 (4')	Total/NA	Solid	8015 NM	
890-3914-7	CS-14 (4')	Total/NA	Solid	8015 NM	
890-3914-8	CS-15 (4')	Total/NA	Solid	8015 NM	
890-3914-9	CS-16 (4')	Total/NA	Solid	8015 NM	
890-3914-10	CS-17 (4')	Total/NA	Solid	8015 NM	
890-3914-11	CS-18 (4')	Total/NA	Solid	8015 NM	
890-3914-12	CS-19 (4')	Total/NA	Solid	8015 NM	
890-3914-13	CS-20 (4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 44760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3914-1	SW-11 (0-4')	Soluble	Solid	DI Leach	
890-3914-2	SW-12 (0-4')	Soluble	Solid	DI Leach	
890-3914-3	SW-13 (0-4')	Soluble	Solid	DI Leach	
890-3914-4	SW-14 (0-4')	Soluble	Solid	DI Leach	
890-3914-6	CS-13 (4')	Soluble	Solid	DI Leach	
890-3914-7	CS-14 (4')	Soluble	Solid	DI Leach	
890-3914-8	CS-15 (4')	Soluble	Solid	DI Leach	
890-3914-9	CS-16 (4')	Soluble	Solid	DI Leach	
890-3914-10	CS-17 (4')	Soluble	Solid	DI Leach	
890-3914-11	CS-18 (4')	Soluble	Solid	DI Leach	
890-3914-12	CS-19 (4')	Soluble	Solid	DI Leach	
890-3914-13	CS-20 (4')	Soluble	Solid	DI Leach	
MB 880-44760/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-44760/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-44760/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3914-6 MS	CS-13 (4')	Soluble	Solid	DI Leach	
890-3914-6 MSD	CS-13 (4')	Soluble	Solid	DI Leach	

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QC Association Summary

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

HPLC/IC

Analysis Batch: 44877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3914-1	SW-11 (0-4')	Soluble	Solid	300.0	44760
890-3914-2	SW-12 (0-4')	Soluble	Solid	300.0	44760
890-3914-3	SW-13 (0-4')	Soluble	Solid	300.0	44760
890-3914-4	SW-14 (0-4')	Soluble	Solid	300.0	44760
890-3914-6	CS-13 (4')	Soluble	Solid	300.0	44760
890-3914-7	CS-14 (4')	Soluble	Solid	300.0	44760
890-3914-8	CS-15 (4')	Soluble	Solid	300.0	44760
890-3914-9	CS-16 (4')	Soluble	Solid	300.0	44760
890-3914-10	CS-17 (4')	Soluble	Solid	300.0	44760
890-3914-11	CS-18 (4')	Soluble	Solid	300.0	44760
890-3914-12	CS-19 (4')	Soluble	Solid	300.0	44760
890-3914-13	CS-20 (4')	Soluble	Solid	300.0	44760
MB 880-44760/1-A	Method Blank	Soluble	Solid	300.0	44760
LCS 880-44760/2-A	Lab Control Sample	Soluble	Solid	300.0	44760
LCSD 880-44760/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	44760
890-3914-6 MS	CS-13 (4')	Soluble	Solid	300.0	44760
890-3914-6 MSD	CS-13 (4')	Soluble	Solid	300.0	44760

Lab Chronicle

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

Client Sample ID: SW-11 (0-4')
Date Collected: 01/20/23 08:00
Date Received: 01/20/23 09:57

Lab Sample ID: 890-3914-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	45239	02/02/23 09:32	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45230	02/02/23 16:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45312	02/03/23 08:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45448	02/04/23 09:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	45246	02/02/23 10:56	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45303	02/03/23 21:02	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44760	01/25/23 15:51	KS	EET MID
Soluble	Analysis	300.0		1			44877	01/27/23 19:35	CH	EET MID

Client Sample ID: SW-12 (0-4')
Date Collected: 01/20/23 08:00
Date Received: 01/20/23 09:57

Lab Sample ID: 890-3914-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	45239	02/02/23 09:32	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45230	02/02/23 16:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45312	02/03/23 08:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45448	02/04/23 09:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45246	02/02/23 10:56	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45303	02/03/23 22:02	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	44760	01/25/23 15:51	KS	EET MID
Soluble	Analysis	300.0		20			44877	01/27/23 19:40	CH	EET MID

Client Sample ID: SW-13 (0-4')
Date Collected: 01/20/23 08:00
Date Received: 01/20/23 09:57

Lab Sample ID: 890-3914-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	45239	02/02/23 09:32	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45230	02/02/23 17:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45312	02/03/23 08:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45448	02/04/23 09:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45246	02/02/23 10:56	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45303	02/03/23 22:23	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	44760	01/25/23 15:51	KS	EET MID
Soluble	Analysis	300.0		10			44877	01/27/23 19:45	CH	EET MID

Client Sample ID: SW-14 (0-4')
Date Collected: 01/20/23 08:00
Date Received: 01/20/23 09:57

Lab Sample ID: 890-3914-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	45239	02/02/23 09:32	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45230	02/02/23 17:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45312	02/03/23 08:57	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

Client Sample ID: SW-14 (0-4')
Date Collected: 01/20/23 08:00
Date Received: 01/20/23 09:57

Lab Sample ID: 890-3914-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			45448	02/04/23 09:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45246	02/02/23 10:56	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45303	02/03/23 22:44	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	44760	01/25/23 15:51	KS	EET MID
Soluble	Analysis	300.0		1			44877	01/27/23 19:49	CH	EET MID

Client Sample ID: CS-13 (4')
Date Collected: 01/20/23 08:00
Date Received: 01/20/23 09:57

Lab Sample ID: 890-3914-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	45239	02/02/23 09:32	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45230	02/02/23 18:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45312	02/03/23 08:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45448	02/04/23 09:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45246	02/02/23 10:56	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45303	02/03/23 23:05	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	44760	01/25/23 15:51	KS	EET MID
Soluble	Analysis	300.0		1			44877	01/27/23 19:54	CH	EET MID

Client Sample ID: CS-14 (4')
Date Collected: 01/20/23 08:00
Date Received: 01/20/23 09:57

Lab Sample ID: 890-3914-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	45239	02/02/23 09:32	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45230	02/02/23 18:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45312	02/03/23 08:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45448	02/04/23 09:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45246	02/02/23 10:56	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45303	02/03/23 23:25	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	44760	01/25/23 15:51	KS	EET MID
Soluble	Analysis	300.0		5			44877	01/27/23 20:09	CH	EET MID

Client Sample ID: CS-15 (4')
Date Collected: 01/20/23 08:00
Date Received: 01/20/23 09:57

Lab Sample ID: 890-3914-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	45239	02/02/23 09:32	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45230	02/02/23 18:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45312	02/03/23 08:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45448	02/04/23 09:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45246	02/02/23 10:56	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45303	02/03/23 23:46	AJ	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

Client Sample ID: CS-15 (4')
Date Collected: 01/20/23 08:00
Date Received: 01/20/23 09:57

Lab Sample ID: 890-3914-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	44760	01/25/23 15:51	KS	EET MID
Soluble	Analysis	300.0		1			44877	01/27/23 20:13	CH	EET MID

Client Sample ID: CS-16 (4')
Date Collected: 01/20/23 08:00
Date Received: 01/20/23 09:57

Lab Sample ID: 890-3914-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	45239	02/02/23 09:32	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45230	02/02/23 19:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45312	02/03/23 08:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45448	02/04/23 09:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45246	02/02/23 10:56	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45303	02/04/23 00:07	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	44760	01/25/23 15:51	KS	EET MID
Soluble	Analysis	300.0		1			44877	01/27/23 20:28	CH	EET MID

Client Sample ID: CS-17 (4')
Date Collected: 01/20/23 08:00
Date Received: 01/20/23 09:57

Lab Sample ID: 890-3914-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	45239	02/02/23 09:32	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45230	02/02/23 19:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45312	02/03/23 08:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45448	02/04/23 09:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45246	02/02/23 10:56	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45303	02/04/23 00:27	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44760	01/25/23 15:51	KS	EET MID
Soluble	Analysis	300.0		5			44877	01/27/23 20:33	CH	EET MID

Client Sample ID: CS-18 (4')
Date Collected: 01/20/23 08:00
Date Received: 01/20/23 09:57

Lab Sample ID: 890-3914-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	45239	02/02/23 09:32	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45230	02/02/23 19:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45312	02/03/23 08:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45448	02/04/23 09:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45246	02/02/23 10:56	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45303	02/04/23 00:48	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	44760	01/25/23 15:51	KS	EET MID
Soluble	Analysis	300.0		10			44877	01/27/23 20:37	CH	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

Client Sample ID: CS-19 (4')
Date Collected: 01/20/23 08:00
Date Received: 01/20/23 09:57

Lab Sample ID: 890-3914-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	45260	02/02/23 12:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45231	02/03/23 00:24	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			45312	02/03/23 09:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45448	02/04/23 09:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45246	02/02/23 10:56	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45303	02/04/23 01:29	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	44760	01/25/23 15:51	KS	EET MID
Soluble	Analysis	300.0		10			44877	01/27/23 20:42	CH	EET MID

Client Sample ID: CS-20 (4')
Date Collected: 01/20/23 08:00
Date Received: 01/20/23 09:57

Lab Sample ID: 890-3914-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	45260	02/02/23 12:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45231	02/03/23 00:45	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			45312	02/03/23 09:11	AJ	EET MID
Total/NA	Analysis	8015 NM		1			45448	02/04/23 09:40	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45246	02/02/23 10:56	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45303	02/04/23 01:49	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	44760	01/25/23 15:51	KS	EET MID
Soluble	Analysis	300.0		10			44877	01/27/23 20:47	CH	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

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

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

Method Summary

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- 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:

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

Sample Summary

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3914-1
SDG: 226349

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-3914-1	SW-11 (0-4')	Solid	01/20/23 08:00	01/20/23 09:57
890-3914-2	SW-12 (0-4')	Solid	01/20/23 08:00	01/20/23 09:57
890-3914-3	SW-13 (0-4')	Solid	01/20/23 08:00	01/20/23 09:57
890-3914-4	SW-14 (0-4')	Solid	01/20/23 08:00	01/20/23 09:57
890-3914-6	CS-13 (4')	Solid	01/20/23 08:00	01/20/23 09:57
890-3914-7	CS-14 (4')	Solid	01/20/23 08:00	01/20/23 09:57
890-3914-8	CS-15 (4')	Solid	01/20/23 08:00	01/20/23 09:57
890-3914-9	CS-16 (4')	Solid	01/20/23 08:00	01/20/23 09:57
890-3914-10	CS-17 (4')	Solid	01/20/23 08:00	01/20/23 09:57
890-3914-11	CS-18 (4')	Solid	01/20/23 08:00	01/20/23 09:57
890-3914-12	CS-19 (4')	Solid	01/20/23 08:00	01/20/23 09:57
890-3914-13	CS-20 (4')	Solid	01/20/23 08:00	01/20/23 09:57

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



Chain of Custody

Work Order No: _____

Page 1 of 2

Project Manager:	Gordon Banks	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	Caza Petroleum
Address:	402 E Wood Ave	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	281 682-7998	Email:	

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Forehand Ranch	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number:	226349	Due Date:			
Project Location:	Eddy County	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Tyler Kimball				
PO #:					
SAMPLE RECEIPT		Temp Blank:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Wet Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Received In tact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID:			
Cooler Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Correction Factor:			
Sample Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Temperature Reading:			
Total Containers:	13	Corrected Temperature:			

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TPH												Sample Comments
SW-11 (0-4')	1/20/2023				Comp	1	X	X	X										
SW-12 (0-4')	1/20/2023				Comp	1	X	X	X										
SW-13 (0-4')	1/20/2023				Comp	1	X	X	X										
SW-14 (0-4')	1/20/2023				Comp	1	X	X	X										
CS-12 (4')	1/20/2023				Comp	1	X	X	X										
CS-13 (4')	1/20/2023				Comp	1	X	X	X										
CS-14 (4')	1/20/2023				Comp	1	X	X	X										
CS-15 (4')	1/20/2023				Comp	1	X	X	X										
CS-16 (4')	1/20/2023				Comp	1	X	X	X										
CS-17 (4')	1/20/2023				Comp	1	X	X	X										

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	1-20-23 957			



Work Order No: _____

Page 2 of 2

Project Manager:	Gordon Banks		Bill to: (if different)	
Company Name:	NTG Environmental		Company Name:	Caza Petroleum
Address:	402 E Wood Ave		Address:	
City, State ZIP:	Carlsbad, NM 88220		City, State ZIP:	
Phone:	281 682-7998		Email:	

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level: I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____	

Project Name:		Forehand Ranch		Turn Around		Pres. Code		ANALYSIS REQUEST										Preservative Codes					
Project Number:		226349		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush														None: NO	DI Water: H ₂ O				
Project Location		Eddy County		Due Date:														Cool: Cool	MeOH: Me				
Sampler's Name:		Tyler Kimball		TAT starts the day received by the lab, if received by 4:30pm														HCL: HC	HNO ₃ : HN				
PO #:																		H ₂ SO ₄ : H ₂	NaOH: Na				
SAMPLE RECEIPT				Temp Blank:		Yes No		Well Ice:		Yes No								H ₃ PO ₄ : HP					
Received Intact:				Yes No		Thermometer:		Correction Factor:										NaHSO ₄ : NABIS					
Cooler Custody Seals:				Yes No N/A		Temperature Reading:												Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:				Yes No N/A		Corrected Temperature:												Zn Acetate+NaOH: Zn					
Total Containers:				13														NaOH+Ascorbic Acid: SASC					
Parameters								BTEX 8021B												HOLD			
								H 8015M (GRO + DRO + MRO)															
								Chloride 300															

[illegible]

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xencio, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xencio 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 Xencio. A minimum charge of \$65.00 will be applied to each project and a charge of \$3 for each sample submitted to Xencio, but not emphasized. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>[Signature]</i>	<i>[Signature]</i>	1-20-23 4:57			
3 <i>[Signature]</i>					
5					

Revised Date: 06/10/2020 Day: 2020

Eurofins Carlsbad

1089 N Canal St.

Carlsbad NM 88220

Phone 575-988-3199 Fax. 575-988-3199

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact	Phone		Kramer, Jessica		890-1107 1
Shipping/Receiving			E-Mail: Jessica.Kramer@eurofins.com	State of Origin	Page 1 of 2
Company	Eurofins Environment Testing South Cent		Accreditations Required (See note)	New Mexico	Job #:
Address	1211 W. Florida Ave.	Due Date Requested	1/26/2023		890-3914-1
City	Midland	TAT Requested (days)			
State Zip:	TX, 79701				
Phone	432-704-5440(Tel)	PO #:			
Email:	WOW #				
Project Name	Forehand Ranch	Project #:	89000132		
Site	SSOW#				
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix
SW-11 (0-4)	(890-3914-1)	1/20/23	08 00	Solid	
SW-12 (0-4)	(890-3914-2)	1/20/23	08 00	Solid	
SW-13 (0-4)	(890-3914-3)	1/20/23	08 00	Solid	
SW-14 (0-4)	(890-3914-4)	1/20/23	08 00	Solid	
CS-12 (4)	(890-3914-5)	1/20/23	08 00	Solid	
CS-13 (4)	(890-3914-6)	1/20/23	08 00	Solid	
CS-14 (4)	(890-3914-7)	1/20/23	08 00	Solid	
CS-15 (4)	(890-3914-8)	1/20/23	08 00	Solid	
CS-16 (4)	(890-3914-9)	1/20/23	08 00	Solid	
Note: Since laboratory accreditations are subject to change Eurofins Environment Testing South Central, LLC places the ownership of method analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.					
Possible Hazard Identification					
Unconfirmed					
Deliverable Requested I, II, III, IV Other (specify)		Primary Deliverable Rank, 2		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Empty Kit Relinquished by		Date	Time	Special Instructions/QC Requirements	
Relinquished by		Date/Time	Company	Received by	
Relinquished by		Date/Time	Company	Received by	
Relinquished by		Date/Time	Company	Received by	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks	

Eurofins Carlsbad

1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing

[illegible]

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-3914-1

SDG Number: 226349

Login Number: 3914

List Number: 1

Creator: Stutzman, Amanda

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
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.	N/A	Refer to Job Narrative for details.
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	

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-3914-1

SDG Number: 226349

Login Number: 3914

List Number: 2

Creator: Kramer, Jessica

List Source: Eurofins Midland

List Creation: 01/23/23 07:42 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
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	

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

February 14, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: CAZA FOREHAND RANCH

Enclosed are the results of analyses for samples received by the laboratory on 02/08/23 15:37.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at

www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: CAZA FOREHAND RANCH
Project Number: 226349
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Feb-23 10:40

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HD - 1 (7-7.5')	H230560-01	Soil	07-Feb-23 00:00	08-Feb-23 15:37
HD - 2 (7-7.5')	H230560-02	Soil	07-Feb-23 00:00	08-Feb-23 15:37
HD - 3 (7-7.5')	H230560-03	Soil	07-Feb-23 00:00	08-Feb-23 15:37
HD - 4 (7-7.5')	H230560-04	Soil	07-Feb-23 00:00	08-Feb-23 15:37
VD - 1 (7-7.5')	H230560-05	Soil	07-Feb-23 00:00	08-Feb-23 15:37
VD - 2 (7-7.5')	H230560-06	Soil	07-Feb-23 00:00	08-Feb-23 15:37
CS - 17 (7-7.5')	H230560-07	Soil	07-Feb-23 00:00	08-Feb-23 15:37
CS - 19 (7-7.5')	H230560-08	Soil	07-Feb-23 00:00	08-Feb-23 15:37
SW - 12A	H230560-09	Soil	07-Feb-23 00:00	08-Feb-23 15:37
SW - 13A	H230560-10	Soil	07-Feb-23 00:00	08-Feb-23 15:37

02/14/23 - Client changed all the sample IDs (see COC). This is the revised report and will replace the one sent on 02/10/23.

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: CAZA FOREHAND RANCH
Project Number: 226349
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Feb-23 10:40

HD - 1 (7-7.5')**H230560-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	192		16.0	mg/kg	4	3020970	AC	09-Feb-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3020926	JH	09-Feb-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3020926	JH	09-Feb-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3020926	JH	09-Feb-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3020926	JH	09-Feb-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3020926	JH	09-Feb-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	102 %	71.5-134			3020926	JH	09-Feb-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3020905	MS	09-Feb-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3020905	MS	09-Feb-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3020905	MS	09-Feb-23	8015B	

Surrogate: 1-Chlorooctane	81.7 %	48.2-134			3020905	MS	09-Feb-23	8015B	
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Surrogate: 1-Chlorooctadecane	89.9 %	49.1-148			3020905	MS	09-Feb-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: CAZA FOREHAND RANCH
Project Number: 226349
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Feb-23 10:40

HD - 2 (7-7.5')**H230560-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	192		16.0	mg/kg	4	3020970	AC	09-Feb-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3020926	JH	09-Feb-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3020926	JH	09-Feb-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3020926	JH	09-Feb-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3020926	JH	09-Feb-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3020926	JH	09-Feb-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		3020926	JH	09-Feb-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3020905	MS	09-Feb-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3020905	MS	09-Feb-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3020905	MS	09-Feb-23	8015B	

Surrogate: 1-Chlorooctane			107 %	48.2-134		3020905	MS	09-Feb-23	8015B	
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Surrogate: 1-Chlorooctadecane			119 %	49.1-148		3020905	MS	09-Feb-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: CAZA FOREHAND RANCH
Project Number: 226349
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Feb-23 10:40

HD - 3 (7-7.5')**H230560-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	336		16.0	mg/kg	4	3020970	AC	09-Feb-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3020926	JH	09-Feb-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3020926	JH	09-Feb-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3020926	JH	09-Feb-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3020926	JH	09-Feb-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3020926	JH	09-Feb-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134 3020926 JH 09-Feb-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3020905	MS	09-Feb-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3020905	MS	09-Feb-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3020905	MS	09-Feb-23	8015B	

Surrogate: 1-Chlorooctane 78.8 % 48.2-134 3020905 MS 09-Feb-23 8015B

Surrogate: 1-Chlorooctadecane 88.3 % 49.1-148 3020905 MS 09-Feb-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: CAZA FOREHAND RANCH
Project Number: 226349
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Feb-23 10:40

HD - 4 (7-7.5')**H230560-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3020970	AC	09-Feb-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3020968	JH/	10-Feb-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3020968	JH/	10-Feb-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3020968	JH/	10-Feb-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3020968	JH/	10-Feb-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3020968	JH/	10-Feb-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %	71.5-134		3020968	JH/	10-Feb-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3020905	MS	09-Feb-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3020905	MS	09-Feb-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3020905	MS	09-Feb-23	8015B	

Surrogate: 1-Chlorooctane			79.0 %	48.2-134		3020905	MS	09-Feb-23	8015B	
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Surrogate: 1-Chlorooctadecane			88.3 %	49.1-148		3020905	MS	09-Feb-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: CAZA FOREHAND RANCH
Project Number: 226349
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Feb-23 10:40

VD - 1 (7-7.5')**H230560-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	3020970	AC	09-Feb-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3020927	JH/	09-Feb-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3020927	JH/	09-Feb-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3020927	JH/	09-Feb-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3020927	JH/	09-Feb-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3020927	JH/	09-Feb-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		3020927	JH/	09-Feb-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3020905	MS	09-Feb-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3020905	MS	09-Feb-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3020905	MS	09-Feb-23	8015B	

Surrogate: 1-Chlorooctane			108 %	48.2-134		3020905	MS	09-Feb-23	8015B	
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Surrogate: 1-Chlorooctadecane			119 %	49.1-148		3020905	MS	09-Feb-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: CAZA FOREHAND RANCH
Project Number: 226349
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Feb-23 10:40

VD - 2 (7-7.5')**H230560-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	208		16.0	mg/kg	4	3020970	AC	09-Feb-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3020927	JH/	09-Feb-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3020927	JH/	09-Feb-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3020927	JH/	09-Feb-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3020927	JH/	09-Feb-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3020927	JH/	09-Feb-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		3020927	JH/	09-Feb-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3020905	MS	09-Feb-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3020905	MS	09-Feb-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3020905	MS	09-Feb-23	8015B	

Surrogate: 1-Chlorooctane			83.6 %	48.2-134		3020905	MS	09-Feb-23	8015B	
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Surrogate: 1-Chlorooctadecane			92.6 %	49.1-148		3020905	MS	09-Feb-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: CAZA FOREHAND RANCH
Project Number: 226349
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Feb-23 10:40

CS - 17 (7-7.5')**H230560-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	256		16.0	mg/kg	4	3020970	AC	09-Feb-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3020927	JH/	09-Feb-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3020927	JH/	09-Feb-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3020927	JH/	09-Feb-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3020927	JH/	09-Feb-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3020927	JH/	09-Feb-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %		71.5-134	3020927	JH/	09-Feb-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3020905	MS	09-Feb-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3020905	MS	09-Feb-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3020905	MS	09-Feb-23	8015B	

Surrogate: 1-Chlorooctane			86.2 %		48.2-134	3020905	MS	09-Feb-23	8015B	
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Surrogate: 1-Chlorooctadecane			95.7 %		49.1-148	3020905	MS	09-Feb-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: CAZA FOREHAND RANCH
Project Number: 226349
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Feb-23 10:40

CS - 19 (7-7.5')**H230560-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	176		16.0	mg/kg	4	3020970	AC	09-Feb-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3020927	JH/	09-Feb-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3020927	JH/	09-Feb-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3020927	JH/	09-Feb-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3020927	JH/	09-Feb-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3020927	JH/	09-Feb-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	107 %	71.5-134	3020927	JH/	09-Feb-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3020906	MS	09-Feb-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3020906	MS	09-Feb-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3020906	MS	09-Feb-23	8015B

Surrogate: 1-Chlorooctane	97.8 %	48.2-134	3020906	MS	09-Feb-23	8015B
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Surrogate: 1-Chlorooctadecane	103 %	49.1-148	3020906	MS	09-Feb-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: CAZA FOREHAND RANCH
Project Number: 226349
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Feb-23 10:40

SW - 12A
H230560-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	3020970	AC	09-Feb-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3020927	JH/	09-Feb-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3020927	JH/	09-Feb-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3020927	JH/	09-Feb-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3020927	JH/	09-Feb-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3020927	JH/	09-Feb-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		3020927	JH/	09-Feb-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3020906	MS	09-Feb-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3020906	MS	09-Feb-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3020906	MS	09-Feb-23	8015B	

Surrogate: 1-Chlorooctane			99.2 %	48.2-134		3020906	MS	09-Feb-23	8015B	
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Surrogate: 1-Chlorooctadecane			103 %	49.1-148		3020906	MS	09-Feb-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: CAZA FOREHAND RANCH
Project Number: 226349
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Feb-23 10:40

SW - 13A
H230560-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3020970	AC	09-Feb-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3020927	JH/	09-Feb-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3020927	JH/	09-Feb-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3020927	JH/	09-Feb-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3020927	JH/	09-Feb-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3020927	JH/	09-Feb-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			109 %	71.5-134		3020927	JH/	09-Feb-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3020906	MS	09-Feb-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3020906	MS	09-Feb-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3020906	MS	09-Feb-23	8015B	

Surrogate: 1-Chlorooctane			97.6 %	48.2-134		3020906	MS	09-Feb-23	8015B	
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Surrogate: 1-Chlorooctadecane			102 %	49.1-148		3020906	MS	09-Feb-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: CAZA FOREHAND RANCH
Project Number: 226349
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Feb-23 10:40

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 3020970 - 1:4 DI Water									
Blank (3020970-BLK1)									
					Prepared & Analyzed: 09-Feb-23				
Chloride	ND	16.0	mg/kg						
LCS (3020970-BS1)									
					Prepared & Analyzed: 09-Feb-23				
Chloride	400	16.0	mg/kg	400		100	80-120		
LCS Dup (3020970-BSD1)									
					Prepared & Analyzed: 09-Feb-23				
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20

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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: CAZA FOREHAND RANCH
Project Number: 226349
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Feb-23 10:40

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3020926 - Volatiles**Blank (3020926-BLK1)**

Prepared & Analyzed: 09-Feb-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0511		mg/kg	0.0500		102	71.5-134			

LCS (3020926-BS1)

Prepared & Analyzed: 09-Feb-23

Benzene	2.06	0.050	mg/kg	2.00		103	81.4-118			
Toluene	2.05	0.050	mg/kg	2.00		102	88.7-121			
Ethylbenzene	2.02	0.050	mg/kg	2.00		101	86.1-120			
m,p-Xylene	4.13	0.100	mg/kg	4.00		103	88.2-124			
o-Xylene	2.00	0.050	mg/kg	2.00		100	84.9-118			
Total Xylenes	6.14	0.150	mg/kg	6.00		102	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0491		mg/kg	0.0500		98.2	71.5-134			

LCS Dup (3020926-BSD1)

Prepared & Analyzed: 09-Feb-23

Benzene	2.13	0.050	mg/kg	2.00		106	81.4-118	3.18	15.8	
Toluene	2.12	0.050	mg/kg	2.00		106	88.7-121	3.53	15.9	
Ethylbenzene	2.09	0.050	mg/kg	2.00		104	86.1-120	3.26	16	
m,p-Xylene	4.26	0.100	mg/kg	4.00		107	88.2-124	3.13	16.2	
o-Xylene	2.06	0.050	mg/kg	2.00		103	84.9-118	2.94	16.7	
Total Xylenes	6.33	0.150	mg/kg	6.00		105	87.3-122	3.07	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0490		mg/kg	0.0500		98.0	71.5-134			

Batch 3020927 - Volatiles**Blank (3020927-BLK1)**

Prepared & Analyzed: 09-Feb-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: CAZA FOREHAND RANCH
Project Number: 226349
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Feb-23 10:40

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3020927 - Volatiles**Blank (3020927-BLK1)**

Prepared & Analyzed: 09-Feb-23

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0529		mg/kg	0.0500		106	71.5-134			

LCS (3020927-BS1)

Prepared & Analyzed: 09-Feb-23

Benzene	1.84	0.050	mg/kg	2.00		92.2	81.4-118			
Toluene	1.90	0.050	mg/kg	2.00		94.9	88.7-121			
Ethylbenzene	1.89	0.050	mg/kg	2.00		94.7	86.1-120			
m,p-Xylene	3.87	0.100	mg/kg	4.00		96.8	88.2-124			
o-Xylene	1.83	0.050	mg/kg	2.00		91.7	84.9-118			
Total Xylenes	5.70	0.150	mg/kg	6.00		95.1	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0505		mg/kg	0.0500		101	71.5-134			

LCS Dup (3020927-BS1)

Prepared & Analyzed: 09-Feb-23

Benzene	2.08	0.050	mg/kg	2.00		104	81.4-118	12.0	15.8	
Toluene	2.08	0.050	mg/kg	2.00		104	88.7-121	9.11	15.9	
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	86.1-120	8.60	16	
m,p-Xylene	4.22	0.100	mg/kg	4.00		105	88.2-124	8.63	16.2	
o-Xylene	2.02	0.050	mg/kg	2.00		101	84.9-118	9.72	16.7	
Total Xylenes	6.24	0.150	mg/kg	6.00		104	87.3-122	8.98	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0499		mg/kg	0.0500		99.8	71.5-134			

Batch 3020968 - Volatiles**Blank (3020968-BLK1)**

Prepared: 09-Feb-23 Analyzed: 10-Feb-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0544		mg/kg	0.0500		109	71.5-134			

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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: CAZA FOREHAND RANCH
Project Number: 226349
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Feb-23 10:40

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3020968 - Volatiles**LCS (3020968-BS1)**

Prepared: 09-Feb-23 Analyzed: 10-Feb-23

Benzene	2.13	0.050	mg/kg	2.00		106	81.4-118		
Toluene	2.19	0.050	mg/kg	2.00		110	88.7-121		
Ethylbenzene	2.14	0.050	mg/kg	2.00		107	86.1-120		
m,p-Xylene	4.50	0.100	mg/kg	4.00		113	88.2-124		
o-Xylene	2.09	0.050	mg/kg	2.00		105	84.9-118		
Total Xylenes	6.59	0.150	mg/kg	6.00		110	87.3-122		

Surrogate: 4-Bromofluorobenzene (PID)

0.0541

mg/kg

0.0500

108

71.5-134

LCS Dup (3020968-BSD1)

Prepared: 09-Feb-23 Analyzed: 10-Feb-23

Benzene	2.03	0.050	mg/kg	2.00		102	81.4-118	4.58	15.8
Toluene	2.07	0.050	mg/kg	2.00		103	88.7-121	5.75	15.9
Ethylbenzene	2.05	0.050	mg/kg	2.00		102	86.1-120	4.15	16
m,p-Xylene	4.29	0.100	mg/kg	4.00		107	88.2-124	4.81	16.2
o-Xylene	2.03	0.050	mg/kg	2.00		101	84.9-118	3.29	16.7
Total Xylenes	6.32	0.150	mg/kg	6.00		105	87.3-122	4.33	16.3

Surrogate: 4-Bromofluorobenzene (PID)

0.0548

mg/kg

0.0500

110

71.5-134

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: CAZA FOREHAND RANCH
Project Number: 226349
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Feb-23 10:40

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3020905 - General Prep - Organics**Blank (3020905-BLK1)**

Prepared & Analyzed: 09-Feb-23

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	47.6		mg/kg	50.0		95.3	48.2-134			
Surrogate: 1-Chlorooctadecane	52.7		mg/kg	50.0		105	49.1-148			

LCS (3020905-BS1)

Prepared & Analyzed: 09-Feb-23

GRO C6-C10	201	10.0	mg/kg	200		100	78.5-124			
DRO >C10-C28	199	10.0	mg/kg	200		99.7	72.5-126			
Total TPH C6-C28	400	10.0	mg/kg	400		100	77.6-123			
Surrogate: 1-Chlorooctane	54.7		mg/kg	50.0		109	48.2-134			
Surrogate: 1-Chlorooctadecane	61.1		mg/kg	50.0		122	49.1-148			

LCS Dup (3020905-BS1)

Prepared & Analyzed: 09-Feb-23

GRO C6-C10	198	10.0	mg/kg	200		99.2	78.5-124	1.11	17.7	
DRO >C10-C28	198	10.0	mg/kg	200		99.2	72.5-126	0.502	21	
Total TPH C6-C28	397	10.0	mg/kg	400		99.2	77.6-123	0.807	18.5	
Surrogate: 1-Chlorooctane	53.3		mg/kg	50.0		107	48.2-134			
Surrogate: 1-Chlorooctadecane	59.0		mg/kg	50.0		118	49.1-148			

Batch 3020906 - General Prep - Organics**Blank (3020906-BLK1)**

Prepared & Analyzed: 09-Feb-23

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	54.2		mg/kg	50.0		108	48.2-134			
Surrogate: 1-Chlorooctadecane	58.1		mg/kg	50.0		116	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: CAZA FOREHAND RANCH
Project Number: 226349
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Feb-23 10:40

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3020906 - General Prep - Organics**LCS (3020906-BS1)**

Prepared & Analyzed: 09-Feb-23

GRO C6-C10	211	10.0	mg/kg	200		105	78.5-124			
DRO >C10-C28	204	10.0	mg/kg	200		102	72.5-126			
Total TPH C6-C28	414	10.0	mg/kg	400		104	77.6-123			
Surrogate: 1-Chlorooctane	58.3		mg/kg	50.0		117	48.2-134			
Surrogate: 1-Chlorooctadecane	58.2		mg/kg	50.0		116	49.1-148			

LCS Dup (3020906-BS1)

Prepared & Analyzed: 09-Feb-23

GRO C6-C10	217	10.0	mg/kg	200		109	78.5-124	3.03	17.7	
DRO >C10-C28	210	10.0	mg/kg	200		105	72.5-126	3.32	21	
Total TPH C6-C28	428	10.0	mg/kg	400		107	77.6-123	3.17	18.5	
Surrogate: 1-Chlorooctane	58.2		mg/kg	50.0		116	48.2-134			
Surrogate: 1-Chlorooctadecane	58.2		mg/kg	50.0		116	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: 11230560-10

Page 1 of 1

Project Manager:	Ethan Sessums	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	
Address:	402 E Wood Ave	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	254-266-5456	Email:	

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Caza Forehand Ranch	Turn Around		ANALYSIS REQUEST												Preservative Codes					
Project Number:	226349	<input checked="" type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush	48 HR													None: NO				
Project Location:	Eddy County, NM	Due Date:															DI Water: H ₂ O				
Sampler's Name:	Jordan Tyner	TAT starts the day received by the lab, if received by 4:30pm															Cool: Cool				
PO #:																	HCL: HC				
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H ₂ SO ₄ : H ₂				
	Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113													H ₃ PO ₄ : HP				
	Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	-0.06													NaHSO ₄ : NABIS				
	Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	0.8													Na ₂ S ₂ O ₃ : NaSO ₃				
	Total Containers:		Corrected Temperature:	0.2													Zn Acetate+NaOH: Zn				
				Parameters																NaOH+Ascorbic Acid: SAPC	
				BTX 8021B																	
				TPH 8015M (GRO + DRO + MRO)																	
				Chloride 4500																	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TP													Sample Comments
HD-1 (7-7.5')	2/7/2023		X		Comp		X	X	X											
HD-2 (7-7.5')	2/7/2023		X		Comp		X	X	X											
HD-3 (7-7.5')	2/7/2023		X		Comp		X	X	X											
HD-4 (7-7.5')	2/7/2023		X		Comp		X	X	X											
VD-3 (7-7.5')	2/7/2023		X		Comp		X	X	X											
VD-8 (7-7.5')	2/7/2023		X		Comp		X	X	X											
BV-4 (CS-17 (7-7.5'))	2/7/2023		X		Comp		X	X	X											
BV-2 (CS-19 (7-7.5'))	2/7/2023		X		Comp		X	X	X											
SW-12A	2/7/2023		X		Comp		X	X	X											
SW-13A	2/7/2023		X		Comp		X	X	X											

Additional Comments: *Customer requested Sample ID changes. 40- 2/14/23

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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

December 28, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: FOREHAND RANCH

Enclosed are the results of analyses for samples received by the laboratory on 12/21/23 12:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 12/21/2023
 Reported: 12/28/2023
 Project Name: FOREHAND RANCH
 Project Number: 226349
 Project Location: EDDY COUNTY, NM

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 17 5 FT (H236805-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/27/2023	ND	1.98	98.9	2.00	3.92	
Toluene*	<0.050	0.050	12/27/2023	ND	1.96	98.2	2.00	3.06	
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	1.93	96.3	2.00	2.58	
Total Xylenes*	<0.150	0.150	12/27/2023	ND	5.69	94.8	6.00	2.60	
Total BTEX	<0.300	0.300	12/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	12/27/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2023	ND	217	109	200	6.65	
DRO >C10-C28*	<10.0	10.0	12/22/2023	ND	200	100	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	12/22/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 12/21/2023
 Reported: 12/28/2023
 Project Name: FOREHAND RANCH
 Project Number: 226349
 Project Location: EDDY COUNTY, NM

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 19 5 FT (H236805-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2023	ND	1.98	98.9	2.00	3.92		
Toluene*	<0.050	0.050	12/27/2023	ND	1.96	98.2	2.00	3.06		
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	1.93	96.3	2.00	2.58		
Total Xylenes*	<0.150	0.150	12/27/2023	ND	5.69	94.8	6.00	2.60		
Total BTEX	<0.300	0.300	12/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	12/27/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2023	ND	217	109	200	6.65	
DRO >C10-C28*	<10.0	10.0	12/22/2023	ND	200	100	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	12/22/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 12/21/2023
 Reported: 12/28/2023
 Project Name: FOREHAND RANCH
 Project Number: 226349
 Project Location: EDDY COUNTY, NM

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 15 0-5 FT (H236805-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2023	ND	1.98	98.9	2.00	3.92		
Toluene*	<0.050	0.050	12/27/2023	ND	1.96	98.2	2.00	3.06		
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	1.93	96.3	2.00	2.58		
Total Xylenes*	<0.150	0.150	12/27/2023	ND	5.69	94.8	6.00	2.60		
Total BTEX	<0.300	0.300	12/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1010	16.0	12/27/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2023	ND	217	109	200	6.65	
DRO >C10-C28*	<10.0	10.0	12/22/2023	ND	200	100	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	12/22/2023	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 12/21/2023
 Reported: 12/28/2023
 Project Name: FOREHAND RANCH
 Project Number: 226349
 Project Location: EDDY COUNTY, NM

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 16 0-5 FT (H236805-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2023	ND	1.98	98.9	2.00	3.92		
Toluene*	<0.050	0.050	12/27/2023	ND	1.96	98.2	2.00	3.06		
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	1.93	96.3	2.00	2.58		
Total Xylenes*	<0.150	0.150	12/27/2023	ND	5.69	94.8	6.00	2.60		
Total BTEx	<0.300	0.300	12/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	12/27/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2023	ND	217	109	200	6.65	
DRO >C10-C28*	<10.0	10.0	12/22/2023	ND	200	100	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	12/22/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 12/21/2023
 Reported: 12/28/2023
 Project Name: FOREHAND RANCH
 Project Number: 226349
 Project Location: EDDY COUNTY, NM

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 17 0-5 FT (H236805-05)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/27/2023	ND	1.98	98.9	2.00	3.92	
Toluene*	<0.050	0.050	12/27/2023	ND	1.96	98.2	2.00	3.06	
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	1.93	96.3	2.00	2.58	
Total Xylenes*	<0.150	0.150	12/27/2023	ND	5.69	94.8	6.00	2.60	
Total BTX	<0.300	0.300	12/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/27/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2023	ND	217	109	200	6.65	
DRO >C10-C28*	<10.0	10.0	12/22/2023	ND	200	100	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	12/22/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 12/21/2023
 Reported: 12/28/2023
 Project Name: FOREHAND RANCH
 Project Number: 226349
 Project Location: EDDY COUNTY, NM

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 18 0-5 FT (H236805-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2023	ND	1.98	98.9	2.00	3.92		
Toluene*	<0.050	0.050	12/27/2023	ND	1.96	98.2	2.00	3.06		
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	1.93	96.3	2.00	2.58		
Total Xylenes*	<0.150	0.150	12/27/2023	ND	5.69	94.8	6.00	2.60		
Total BTEX	<0.300	0.300	12/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	944	16.0	12/27/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/23/2023	ND	217	109	200	6.65	
DRO >C10-C28*	<10.0	10.0	12/23/2023	ND	200	100	200	4.50	
EXT DRO >C28-C36	<10.0	10.0	12/23/2023	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____	

Additional Comments:

Reinquished by: (Signature)

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

February 13, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: FOREHAND 22 FED COM 6H

Enclosed are the results of analyses for samples received by the laboratory on 02/09/24 13:18.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 02/09/2024
 Reported: 02/13/2024
 Project Name: FOREHAND 22 FED COM 6H
 Project Number: 226349
 Project Location: EDDY COUNTY, NM

Sampling Date: 02/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 15 A 0-5' (H240634-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2024	ND	1.96	98.2	2.00	0.981	
Toluene*	<0.050	0.050	02/09/2024	ND	2.06	103	2.00	0.333	
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.04	102	2.00	0.0314	
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.17	103	6.00	0.251	
Total BTEX	<0.300	0.300	02/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/12/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	190	94.9	200	0.502	
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	194	96.8	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND					

Surrogate: 1-Chlorooctane 62.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.7 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 02/09/2024
 Reported: 02/13/2024
 Project Name: FOREHAND 22 FED COM 6H
 Project Number: 226349
 Project Location: EDDY COUNTY, NM

Sampling Date: 02/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 18 A 0-5' (H240634-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2024	ND	1.96	98.2	2.00	0.981	
Toluene*	<0.050	0.050	02/09/2024	ND	2.06	103	2.00	0.333	
Ethylbenzene*	<0.050	0.050	02/09/2024	ND	2.04	102	2.00	0.0314	
Total Xylenes*	<0.150	0.150	02/09/2024	ND	6.17	103	6.00	0.251	
Total BTEx	<0.300	0.300	02/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	02/12/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2024	ND	190	94.9	200	0.502	
DRO >C10-C28*	<10.0	10.0	02/09/2024	ND	194	96.8	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	02/09/2024	ND					

Surrogate: 1-Chlorooctane 68.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.0 % 49.1-148

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No.:

1240634

Page 1 of 1

Page 5 of 5

Project Manager:	Ethan Sessums	Bill to: (if different)	Ethan Sessums
Company Name:	NTG Environmental	Company Name:	NTGE
Address:	209 W McKay St	Address:	209 W McKay Street
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Carlsbad, NM 88220
Phone:	432-701-2159	Email:	esessums@ntglobal.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

[illegible]

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1000 Rio Brazos Rd., Aztec, NM 87410
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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 344705

QUESTIONS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 344705
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2225141826
Incident Name	NAPP2225141826 FOREHAND 22 FED COM 6H @ 30-015-43720
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Well	[30-015-43720] FOREHAND RANCH 22 FEDERAL COM #006H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	FOREHAND 22 FED COM 6H
Date Release Discovered	09/07/2022
Surface Owner	Private

Incident Details	
Please answer all 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
Did this release result in any injuries	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 Well Crude Oil Released: 2 BBL Recovered: 2 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Well Produced Water Released: 8 BBL Recovered: 8 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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.

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QUESTIONS, Page 2

Action 344705

QUESTIONS (continued)

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID:
	249099
	Action Number: 344705
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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 Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
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 Paragraph (4) of Subsection B of 19.15.29.8 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 Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Kelly Arrendondo Title: Production Reporting Manager Email: karredondo@ntglobal.com Date: 05/15/2024
--	---

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

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1220 S. St Francis Dr., Santa Fe, NM 87505
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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 3

Action 344705

QUESTIONS (continued)

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID:	249099
	Action Number:	344705
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	13600
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	2060
GRO+DRO	(EPA SW-846 Method 8015M)	2060
BTEX	(EPA SW-846 Method 8021B or 8260B)	15.8
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	11/01/2022
On what date will (or did) the final sampling or liner inspection occur	02/08/2024
On what date will (or was) the remediation complete(d)	02/16/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	3496
What is the estimated volume (in cubic yards) that will be remediated	502

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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District IV

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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, Page 4

Action 344705

QUESTIONS (continued)

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID:	249099
	Action Number:	344705
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	J&L LANDFARM [FEEM0112339187]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Kelly Arrendondo Title: Production Reporting Manager Email: karredondo@ntglobal.com Date: 05/15/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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
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District III

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

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 5

Action 344705

QUESTIONS (continued)

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID:	249099
	Action Number:	344705
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS**Deferral Requests Only**

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.

Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	The area surrounding the pumpjack and wellhead. The pumpjack would have to be removed and the well shut-in.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	1100
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	165
Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.	
Enter the facility ID (f#) on which this deferral should be granted	Not answered.
Enter the well API (30-) on which this deferral should be granted	30-015-43720 FOREHAND RANCH 22 FEDERAL COM #006H
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Kelly Arrendondo Title: Production Reporting Manager Email: karredondo@ntglobal.com Date: 05/15/2024

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QUESTIONS, Page 6

Action 344705

QUESTIONS (continued)

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID:
	249099
	Action Number:
	344705
Action Type:	
[C-141] Deferral Request C-141 (C-141-v-Deferral)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	311280
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/08/2024
What was the (estimated) number of samples that were to be gathered	2
What was the sampling surface area in square feet	60

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
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CONDITIONS

Action 344705

CONDITIONS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 344705
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
scwells	Deferral approved. Deferral of SW-12 and SW-13 around wellhead is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	5/16/2024