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**

32.289345 Latitude

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)

Volume Released (bbls) 2	Volume Recovered (bbls) 2
Volume Released (bbls) 8	Volume Recovered (bbls) 8
Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Volume Released (bbls)	Volume Recovered (bbls)
Volume Released (Mcf)	Volume Recovered (Mcf)
Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
oment Failure	
	Volume Released (bbls) 8         Is the concentration of dissolved chloride in the produced water >10,000 mg/l?         Volume Released (bbls)         Volume Released (bbls)         Volume Released (Mcf)         Volume/Weight Released (provide units)

Re

Incident ID       NAPP222514182         ge 2       Oil Conservation Division       Incident ID       NAPP222514182         District RP       Facility ID       Application ID         Was this a major release as defined by 19.15.29.7(A) NMAC?       If YES, for what reason(s) does the responsible party consider this a major release?         If Yes INO       If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?         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         The source of the release has been stopped.
Was this a major release as defined by 19.15.29.7(A) NMAC?       If YES, for what reason(s) does the responsible party consider this a major release?         Yes No       No         If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?         If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?         If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?         If responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury
Application ID         Was this a major release as defined by 19.15.29.7(A) NMAC?         Yes       No         Yes       No         If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?         If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?         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
Was this a major release as defined by 19.15.29.7(A) NMAC?       If YES, for what reason(s) does the responsible party consider this a major release?         Yes       No         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
release as defined by 19.15.29.7(A) NMAC? Yes No 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
19.15.29.7(A) NMAC?         Yes         No         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
Yes No 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
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
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The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury
The source of the release has been stopped.
The source of the release has been stopped.
The impacted area has been secured to protect human health and the environment.
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have not been undertaken, explain why:
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
If all the actions described above have <u>not</u> been undertaken, explain why:

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.

within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

Printed Name: Kellan Smith Signature: Kellan Smith email: ksmith@ntglobal.com	Staff Scientist         Date:       4/17/23         Telephone:       (580) 682-1889
OCD Only Received by: Jocelyn Harimon	Date: 04/17/2023



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

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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

CONDITIONS

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

#### CONDITIONS

Created By		Condition Date
jharimon	None	4/17/2023

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Action 208436

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 7<sup>th</sup>, 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 3.1Closure 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<sup>-</sup>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 9<sup>th</sup>, 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 7<sup>th</sup>, 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 ft<sup>2</sup> 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 (yd<sup>3</sup>) 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 4500CI<sup>-</sup>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** 

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Ethan Sessums Project Manager

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





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# TABLES



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

		ТРН											
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6	DRO (C10	GRO + DRO	MRO (C28-	Total	Chloride
Sample ID	Sample Date	Depth						C-10)	C28)		C35)	GRO/DRO/MRO	
Sample ID	Sample Date	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
					Т	able I Closur	e Criteria for S	oil >100 feet	Depth to Grou	ndwater 19.15.2	9 NMAC		
			10 mg/kg				50 mg/kg					100 mg/kg	600 mg/kg
					Ho	orizontal Deli	neation Samp	les					
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
Neton													

Notes:

1. Values reported in mg/kg

2.< = Value Less Than Reporting Limit (RL)

Bold indicates Analyte Detected
 BTEX analyses by EPA Method SW 8021B

SP-1 Sample Point Excavated

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).

Point Excavated 9. --- Not Analyzed

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

			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6	DRO (C10	GRO + DRO	MRO (C28-	Total	Chloride
Sample ID	Sample Date	Depth						C-10)	C28)	GRO + DRO	C35)	GRO/DRO/MRO	
Sample ID	Sample Date	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
				r	т	able I Closure	e Criteria for S	oil >100 feet	Depth to Grou	ndwater 19.15.2	9 NMAC		
			10 mg/kg				50 mg/kg					100 mg/kg	600 mg/kg
			-	-	•	Confirmation	Base Sample	S					
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	<4 <del>9.9</del>	168	168	<49.9	168	14.1
65 5	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	<0.09401	<0.00401	<del>&lt;49.9</del>	105	105	<del>&lt;49.9</del>	105	208
65 17	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	< <del>49.9</del>	198	198	< <del>49.9</del>	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
				-			idewall Samp						
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

										ТРН			
		Depth	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6	DRO (C10-	GRO + DRO	MRO (C28-	Total	Chloride
Committe ID								C-10)	C28)	GRO + DRO	C35)	GRO/DRO/MRO	
Sample ID	Sample Date	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
					Ta	able I Closur	e Criteria for S	oil >100 feet	Depth to Grou	ndwater 19.15.2	9 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
<del>S₩-15</del>	12/21/2023	0-5'	<0:050	<0:050	<0:050	<0:150	<0:300	₹10.0		<10.0	<10.0	< <del>10.0</del>	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
<del>S₩-18</del>	12/21/2023	0-5'	<0:050	<0:050	<0:050	<0.150	<0:300	<10.0		<10.0	<u>∼10.0</u>	< <del>10.0</del>	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

5. TPH analyses by EPA Method SW 8015 Mod.

2.< = Value Less Than Reporting Limit (RL)

3. Bold indicates Analyte Detected

4. BTEX analyses by EPA Method SW 8021B

SP-1 Sample Point Excavated

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

# ATTACHMENT A: SITE CHARACTERIZATION DOCUMENTATION



## **OSE POD Location Map**







0.5 mi

0.8 km



NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

OCD, Esri Community Maps Contributors, New Mexico State University, Texas

New Mexico Oil Conservation Division

# Received by OCD: 5/16/2024 1:08:16 PM National Flood Hazard Layer FIRMette



#### Legend

regulatory purposes.

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Releasea to Imaging: 5/16/2024 4.925:11 PM 1,500 2,000

Basemap Imagery Source: USGS National Map 2023

### U.S. Fish and Wildlife Service National Wetlands Inventory

## 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.

National Wetlands Inventory (NWI) This page was produced by the NWI mapper



Received by OCD: 5/16/2024 1:08:16 Received by OCD: 5/16/202



# **Point of Diversion Summary**

							E 3=SW		(NAD8	3 UT	IM in meters)	
Well Tag	POD	Number	Q64	Q16	Q4	Sec	Tws	Rng	х		Y	
	C 0	3488 POD1	4	3	1	23	238	27E	57843	30	3573023 🌍	
Driller Lic	ense:	1348	Driller	r Con	ıpan	y:	TAY	LOR W	ATER W	VEL	L SERVICE	
Driller Na	me:	TAYLOR, CLIN	TON E.									
Drill Start	Date:	05/ <mark>08/2011</mark>	Drill H	Drill Finish Date:				05/10/2011			Plug Date:	
Log File Date:		05/31/2011	V Rcv Date:						Source:		Shallow	
Pump Typ	e:	SUBMER	Pipe D	Pipe Discharge Size:					Estimated Y			100 GPM
Casing Siz	e:	4.50	Depth Well:				217 feet			Depth Water:		122 feet
	Wate	er Bearing Stratif	ications:		To	p I	Bottom	Descr	iption			
					20	)2	207	Limes	tone/Dol	lom	ite/Chalk	
					21	0	217	Sands	tone/Gra	vel	Conglomerate	
		Casing Per	forations:		To	p I	Bottom					
					19	7	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, or suitability for any particular purpose of the data.

5/1/24 2:34 PM

POINT OF DIVERSION SUMMARY

# **ATTACHMENT B: PHOTOGRAPHIC LOG**



#### 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.





#### 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:





#### 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:





#### 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:





#### 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:





#### 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:





# ATTACHMENT C: CONFIRMATION SAMPLING NOTIFICATIONS



#### **Kellan Smith**

From:	Ethan Sessums
Sent:	Tuesday, April 18, 2023 2:46 PM
То:	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: <u>esessums@ntglobal.com</u> <u>http://www.ntgenvironmental.com/</u>



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.

JΗ

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 <<u>ESessums@ntglobal.com</u>> Sent: Tuesday, January 17, 2023 9:42 PM To: Enviro, OCD, EMNRD <<u>OCD.Enviro@emnrd.nm.gov</u>> Cc: Tyler Kimball <<u>TKimball@ntglobal.com</u>> 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: <u>esessums@ntglobal.com</u>

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

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


Received by OCD: 5/16/2024 1:08:16 PM

----- LINKS

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Released to Imaging: 5/16/2024 4:25:11 PM

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# 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

KRAMER

Authorized for release by: 9/22/2022 11:58:13 AM

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

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

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

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

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# **Table of Contents**

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Case Narrative	4
Client Sample Results	5
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QC Sample Results	21
QC Association Summary	27
Lab Chronicle	32
Certification Summary	38
Method Summary	39
Sample Summary	40
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Receipt Checklists	43

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	Definitions/Glossary	1
Client: NT Glob		1
Project/Site: Fo	rehand 22 6H SDG: Eddy Count	y 2
Qualifiers		3
GC VOA		
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	-
S1+	Surrogate recovery exceeds control limits, high biased.	5
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.	- 7
S1+	Surrogate recovery exceeds control limits, high biased.	
U	Indicates the analyte was analyzed for but not detected.	Q
HPLC/IC		0
Qualifier	Qualifier Description	0
U	Indicates the analyte was analyzed for but not detected.	- 9
Glossary		- 10
		-
Abbreviation	These commonly used abbreviations may or may not be present in this report.	- 11
~ %R	Listed under the "D" column to designate that the result is reported on a dry weight basis 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	
<b>D O I</b>		

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin)

Too Numerous To Count

Reporting Limit or Requested Limit (Radiochemistry)

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

Presumptive Quality Control

PQL

PRES

QC

RER

RL RPD

TEF

TEQ TNTC

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4

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

#### Job ID: 890-2931-1

#### Laboratory: Eurofins Carlsbad

#### Narrative

Job Narrative 890-2931-1

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

#### **Client Sample ID: H-1**

Project/Site: Forehand 22 6H

Date Collected: 09/09/22 00:00 Date Received: 09/09/22 16:45

Sample Depth: 1

Client: NT Global

Method: 8021B - Volatile Organic	-								
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200		0.00200		mg/Kg		09/19/22 14:40	09/22/22 05:25	
Toluene	<0.00200	U	0.00200		mg/Kg		09/19/22 14:40	09/22/22 05:25	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/19/22 14:40	09/22/22 05:25	
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/19/22 14:40	09/22/22 05:25	
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/19/22 14:40	09/22/22 05:25	
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/19/22 14:40	09/22/22 05:25	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	92		70 - 130				09/19/22 14:40	09/22/22 05:25	
1,4-Difluorobenzene (Surr)	105		70 - 130				09/19/22 14:40	09/22/22 05:25	
Method: Total BTEX - Total BTEX	(Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/22/22 09:48	
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9		mg/Kg			09/14/22 09:34	
Method: 8015B NM - Diesel Rang	je Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 10:57	
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 10:57	
C10-C28) Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 10:57	
Surrogato	%Recovery	Qualifier	Limits				Prepared	Analyzod	Dil Fa
Surrogate 1-Chlorooctane		Quanner	70 - 130				09/13/22 15:37	Analyzed 09/14/22 10:57	
o-Terphenyl	113		70 <sub>-</sub> 130				09/13/22 15:37	09/14/22 10:57	
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte		Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fa
Chloride	235		5.00		mg/Kg			09/15/22 13:40	
							Lab Sar	nple ID: 890-	2931-2
lient Sample ID: H-2								Matri	x: Solie
								Iviatii	
Client Sample ID: H-2 Pate Collected: 09/09/22 00:00 Pate Received: 09/09/22 16:45								Wath	
ate Collected: 09/09/22 00:00 ate Received: 09/09/22 16:45								Wath	
	: Compounds (	(GC)							
ate Collected: 09/09/22 00:00 ate Received: 09/09/22 16:45 ample Depth: 2 Method: 8021B - Volatile Organic		(GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
ate Collected: 09/09/22 00:00 ate Received: 09/09/22 16:45 ample Depth: 2		Qualifier		MDL	Unit mg/Kg	<u>D</u>	Prepared		Dil Fa
ate Collected: 09/09/22 00:00 ate Received: 09/09/22 16:45 ample Depth: 2 Method: 8021B - Volatile Organic Analyte	Result	Qualifier		MDL		<u>D</u>		Analyzed	
ate Collected: 09/09/22 00:00 ate Received: 09/09/22 16:45 ample Depth: 2 Method: 8021B - Volatile Organic Analyte Benzene	Result <0.00201	Qualifier U U	0.00201	MDL	mg/Kg	<u>D</u>	09/19/22 14:40	Analyzed 09/22/22 05:45	

#### o-Xylene <0.00201 U 0.00201 09/19/22 14:40 09/22/22 05:45 mg/Kg 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**

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

# Lab Sample ID: 890-2931-2

Matrix: Solid

5

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

Project/Site: Forehand 22 6H

Sample Depth: 2

Client: NT Global

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	
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	150		49.9		mg/Kg			09/14/22 09:34	1
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (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	150		49.9		mg/Kg		09/13/22 15:37	09/14/22 12:00	
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 12:00	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
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	
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1290		49.9		mg/Kg			09/15/22 13:45	10
lient Sample ID: H-3							Lab San	nple ID: 890-	2931-3
ate Collected: 09/09/22 00:00								Matri	x: Solid
ate Received: 09/09/22 16:45									
ample Depth: 3									
Method: 8021B - Volatile Organic	: Compounds (	GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

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 B	<b>FEX Calculation</b>								
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 Rar	nge Organics (DR	O) (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**

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

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-2931-3

### **Client Sample ID: H-3**

Project/Site: Forehand 22 6H

Date Collected: 09/09/22 00:00 Date Received: 09/09/22 16:45

Sample Depth: 3

Client: NT Global

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/13/22 15:37	09/14/22 12:21	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/13/22 15:37	09/14/22 12:21	1
C10-C28)									
Oll 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

Analyte		ualifier 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**

#### Date Collected: 09/09/22 00:00

Date Received: 09/09/22 16:45

Sample Depth: 4

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
	<0.00400	Qualifier U	RL 0.00400		Unit mg/Kg	<u> </u>	Prepared	Analyzed 09/22/22 09:48	
Total BTEX Method: 8015 NM - Diesel Range	<0.00400	U U O) (GC)	0.00400		mg/Kg			09/22/22 09:48	1
Total BTEX Method: 8015 NM - Diesel Range Analyte	<0.00400 Crganics (DR Result	U O) (GC) Qualifier	0.00400		mg/Kg Unit	<u>D</u>	Prepared	09/22/22 09:48 Analyzed	1
Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH	<0.00400 Corganics (DR Result	U O) (GC) Qualifier U	0.00400		mg/Kg			09/22/22 09:48	1
Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang	co.00400 corganics (DR) Result c49.9 ge Organics (DI)	U O) (GC) Qualifier U	0.00400	MDL	mg/Kg Unit			09/22/22 09:48 Analyzed	1 Dil Fac
Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	co.00400 corganics (DR) Result c49.9 ge Organics (DI)	U O) (GC) Qualifier U RO) (GC) Qualifier	0.00400 <b>RL</b> 49.9	MDL	mg/Kg Unit mg/Kg	D	Prepared	09/22/22 09:48  Analyzed 09/14/22 09:34	1 Dil Fac
Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<pre>&lt;0.00400 corganics (DR corganics (DR corganics (DR corganics (D) co</pre>	U O) (GC) Qualifier U RO) (GC) Qualifier U	0.00400 	MDL	mg/Kg Unit mg/Kg Unit	D	Prepared	09/22/22 09:48  Analyzed  O9/14/22 09:34  Analyzed	Dil Fac
Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	e Organics (DR Result <49.9 ge Organics (D) Result <49.9	U O) (GC) Qualifier U RO) (GC) Qualifier U U	0.00400 <b>RL</b> 49.9 <b>RL</b> 49.9 49.9	MDL	mg/Kg Unit mg/Kg Unit mg/Kg	D	Prepared Prepared 09/13/22 15:37	O9/22/22 09:48           Analyzed           09/14/22 09:34           Analyzed           09/14/22 12:42	Dil Fac
Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	co.00400 corganics (DR ce Organics (249.9) ge Organics (D) ge Organics (D) ce Organics (249.9) ce (249.9)	U O) (GC) Qualifier U RO) (GC) Qualifier U U U	0.00400	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	D	Prepared Prepared 09/13/22 15:37 09/13/22 15:37	O9/22/22 09:48           Analyzed           09/14/22 09:34           Analyzed           09/14/22 12:42           09/14/22 12:42	Dil Fac 1 Dil Fac 1 1

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09/14/22 12:42

09/13/22 15:37

o-Terphenyl

70 - 130

118

1

		Clien	t Sample R	esults	;				
Client: NT Global								Job ID: 890	-2931-1
Project/Site: Forehand 22 6H								SDG: Eddy	/ County
Client Sample ID: H-4							Lab Sar	nple ID: 890-	2931-4
Date Collected: 09/09/22 00:00									ix: Solid
Date Received: 09/09/22 16:45									
Sample Depth: 4									
_									
Method: 300.0 - Anions, Ion Ch	romatography -	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 Sar	nple ID: 890-	2931-5
Date Collected: 09/09/22 00:00								Matri	ix: Solid
Date Received: 09/09/22 16:45									
Sample Depth: 0 - 1									
- Mathed: 0004D Malatila Oraci									
Method: 8021B - Volatile Organ Analyte		Qualifier	RL	МПІ	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	-	0.00199		mg/Kg		09/19/22 14:40	09/22/22 06:47	1
Toluene	< 0.00199		0.00199		mg/Kg		09/19/22 14:40	09/22/22 06:47	י 1
Ethylbenzene	< 0.00199		0.00199		mg/Kg		09/19/22 14:40	09/22/22 06:47	1
m-Xylene & p-Xylene	<0.00199		0.00398		mg/Kg		09/19/22 14:40	09/22/22 06:47	' 1
o-Xylene	<0.00390		0.00199		mg/Kg		09/19/22 14:40	09/22/22 06:47	י 1
Xylenes, Total	< 0.00398		0.00398		mg/Kg		09/19/22 14:40	09/22/22 06:47	י 1
Ayienes, iotai	-0.00330	0	0.00330		mg/itg		03/13/22 14.40	03/22/22 00.47	I
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 BTE	X Calculation								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398		0.00398		mg/Kg			09/22/22 09:48	1
Method: 8015 NM - Diesel Rang Analyte		O) (GC) Qualifier	RL	МП	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	336	Quaimer	50.0		mg/Kg			09/14/22 09:34	1
	550		00.0		iiig/itg			00/11/22 00:01	•
Method: 8015B NM - Diesel Rar	nge Organics (D	RO) (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/13/22 15:37	09/14/22 13:03	1
(GRO)-C6-C10 Diesel Range Organics (Over	336		50.0		mg/Kg		09/13/22 15:37	09/14/22 13:03	1
C10-C28)	550		50.0		ilig/itg		03/13/22 13:37	03/14/22 13:03	ľ
Oll 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			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 Ch	romatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1310		50.0		mg/Kg			09/15/22 14:09	10

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

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

Date Collected: 09/09/22 00:00

Sample Depth: 1 - 1.5

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

5

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	
Toluene	<0.00199	U	0.00199		mg/Kg		09/19/22 14:40	09/22/22 07:07	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/19/22 14:40	09/22/22 07:07	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/19/22 14:40	09/22/22 07:07	
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/19/22 14:40	09/22/22 07:07	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/19/22 14:40	09/22/22 07:07	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	93		70 - 130				09/19/22 14:40	09/22/22 07:07	
1,4-Difluorobenzene (Surr)	104		70 - 130				09/19/22 14:40	09/22/22 07:07	
Method: Total BTEX - Total BTEX	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/22/22 09:48	
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9		49.9		mg/Kg			09/14/22 09:34	
Method: 8015B NM - Diesel Rang Analyte	Result	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg	_	09/13/22 15:37	09/14/22 13:24	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 13:24	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 13:24	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	116		70 - 130				09/13/22 15:37	09/14/22 13:24	
o-Terphenyl	119		70 - 130				09/13/22 15:37	09/14/22 13:24	
Method: 300.0 - Anions, Ion Chro									
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Chloride	3410	_	50.4	-	mg/Kg		_	09/15/22 14:14	10
lient Sample ID: S-1 (2-2.5)							Lab San	nple ID: 890-2	2931-7
ate Collected: 09/09/22 00:00								Matri	ix: Solic
ate Received: 09/09/22 16:45									
ample Depth: 2 - 2.5									
Method: 8021B - Volatile Organic	Compounds (	GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	< 0.00202	U	0.00202		mg/Kg		09/19/22 14:40	09/22/22 07:27	

4-Bromofluorobenzene (Surr)	93		70 - 130		09/19/22 14:40	09/22/22 07:27	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
Xylenes, Total	<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
m-Xylene & p-Xylene	<0.00404	U	0.00404	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
Toluene	<0.00202	U	0.00202	mg/Kg	09/19/22 14:40	09/22/22 07:27	1
Benzene	<0.00202	U	0.00202	mg/Kg	09/19/22 14:40	09/22/22 07:27	1

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Project/Site: Forehand 22 6H

Client: NT Global

Date Received: 09/09/22 16:45

#### **Client Sample Results**

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

# Lab Sample ID: 890-2931-7

Matrix: Solid

Date Collected: 09/09/22 00:00 Date Received: 09/09/22 16:45

Project/Site: Forehand 22 6H

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

Sample Depth: 2 - 2.5

Client: NT Global

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
-	108	Quaimer	70 - 130				09/19/22 14:40	09/22/22 07:27	DII Fa
1,4-Difluorobenzene (Surr)	108		70 - 130				09/19/22 14:40	09/22/22 07:27	
Method: Total BTEX - Total BTEX C	alculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/22/22 09:48	
Method: 8015 NM - Diesel Range O	rganics (DR	O) (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0		mg/Kg			09/14/22 09:34	
Method: 8015B NM - Diesel Range	Organics (D	RO) (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/13/22 15:37	09/14/22 13:44	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/13/22 15:37	09/14/22 13:44	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/22 15:37	09/14/22 13:44	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	112		70 - 130				09/13/22 15:37	09/14/22 13:44	
o-Terphenyl	115		70 - 130				09/13/22 15:37	09/14/22 13:44	
Method: 300.0 - Anions, Ion Chrom	atography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	1950		25.2		mg/Kg			09/15/22 14:19	
lient Sample ID: S-1 (3-3.5)							Lab Sar	nple ID: 890-	2931-{
ate Collected: 09/09/22 00:00									x: Soli
ate Received: 09/09/22 16:45									
ample Depth: 3 - 3.5									
Method: 8021B - Volatile Organic C	ompounds (	(GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U	0.00202		mg/Kg		09/19/22 14:40	09/22/22 07:48	
<b>T</b> 1	-0 00000	U	0.00202		~~~~// <i>/</i> ~~		09/19/22 14:40	09/22/22 07:48	
Toluene	<0.00202	0	0.00202		mg/Kg		09/19/22 14:40	09/22/22 07:46	

<0.00403 U

<0.00202 U

<0.00403 U

88

103

<0.00403 U

Result Qualifier

Result Qualifier

<49.9 U

Qualifier

%Recovery

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Method: Total BTEX - Total BTEX Calculation

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

m-Xylene & p-Xylene

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

o-Xylene

Surrogate

Analyte

Analyte

Total TPH

Total BTEX

Xylenes, Total

0.00403

0.00202

0.00403

Limits

70 - 130

70 - 130

RL

RL

49.9

0.00403

mg/Kg

mg/Kg

mg/Kg

MDL Unit

MDL Unit

mg/Kg

mg/Kg

**Eurofins Carlsbad** 

09/19/22 14:40

09/19/22 14:40

09/19/22 14:40

Prepared

09/19/22 14:40

09/19/22 14:40

Prepared

Prepared

D

D

09/22/22 07:48

09/22/22 07:48

09/22/22 07:48

Analyzed

09/22/22 07:48

09/22/22 07:48

Analyzed

09/22/22 09:48

Analyzed

09/14/22 09:34

9/22/2022

1

1

1

1

1

1

1

Dil Fac

Dil Fac

Dil Fac

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

Lab Sample ID: 890-2931-9

Matrix: Solid

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

Date Collected:	09/09/22	00:00
Date Received: (	09/09/22	16:45

Project/Site: Forehand 22 6H

Sample Depth: 3 - 3.5

Client: NT Global

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	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 14:05	1
C10-C28)									
Oll 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			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)

#### Date Collected: 09/09/22 00:00 Date Received: 09/09/22 16:45

Sample Depth: 4 - 4.5

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 BTE	X 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	e Organics (DR	O) (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 Ran	ge Organics (D	RO) (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	<50.0	U	50.0		mg/Kg		09/13/22 15:37	09/14/22 14:25	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/22 15:37	09/14/22 14:25	1
		Qualifier	Limits				Prepared	Analyzed	Dil Fac

		Clien	t Sample R	esults	;				
Client: NT Global								Job ID: 890	
Project/Site: Forehand 22 6H								SDG: Eddy	/ Count
Client Sample ID: S-1 (4-4.5)							Lab San	nple ID: 890-	2931-9
Date Collected: 09/09/22 00:00									ix: Solie
Date Received: 09/09/22 16:45									
Sample Depth: 4 - 4.5									
	_								
Method: 300.0 - Anions, Ion Chro			В	MDL	Unit	D	Bronorod	Analyzad	Dil Fa
Analyte Chloride		Qualifier		MDL	mg/Kg		Prepared	Analyzed 09/15/22 14:39	
-			-		5 5				
Client Sample ID: S-2 (0-1`)							Lab Sam	ple ID: 890-2	
Date Collected: 09/09/22 00:00								Matri	x: Soli
Date Received: 09/09/22 16:45									
Sample Depth: 0 - 1									
- Method: 8021B - Volatile Organic	Compounds (	(GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		09/19/22 14:40	09/22/22 09:46	
Toluene	0.0131		0.00200		mg/Kg		09/19/22 14:40	09/22/22 09:46	
Ethylbenzene	0.0282		0.00200		mg/Kg		09/19/22 14:40	09/22/22 09:46	
m-Xylene & p-Xylene	0.249		0.00401		mg/Kg		09/19/22 14:40	09/22/22 09:46	
o-Xylene	0.102		0.00200		mg/Kg		09/19/22 14:40	09/22/22 09:46	
Xylenes, Total	0.351		0.00401		mg/Kg		09/19/22 14:40	09/22/22 09:46	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)		Quanner	70 - 130				09/19/22 14:40	09/22/22 09:46	
1,4-Difluorobenzene (Surr)	88		70 - 130				09/19/22 14:40	09/22/22 09:46	
Method: Total BTEX - Total BTEX	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	0.392		0.00401		mg/Kg			09/22/22 09:48	
- Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	901		49.9		mg/Kg			09/14/22 09:34	
- Method: 8015B NM - Diesel Rang	e Organics (D								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	191		49.9		mg/Kg		09/13/22 15:37	09/14/22 14:46	
(GRO)-C6-C10					5 5				
Diesel Range Organics (Over	710		49.9		mg/Kg		09/13/22 15:37	09/14/22 14:46	
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 14:46	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	124		70 - 130				09/13/22 15:37	09/14/22 14:46	
o-Terphenyl	120		70 - 130				09/13/22 15:37	09/14/22 14:46	
_ Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa

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

Sample Depth: 1 - 1.5

Project/Site: Forehand 22 6H

Client: NT Global

## Lab Sample ID: 890-2931-11

Matrix: Solid

5

Method: 8021B - Volatile Organic Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.0399		0.0399		mg/Kg		09/19/22 14:40	09/22/22 12:09	2
Toluene	0.816		0.0399		mg/Kg		09/19/22 14:40	09/22/22 12:09	2
Ethylbenzene	1.87		0.0399		mg/Kg		09/19/22 14:40	09/22/22 12:09	2
m-Xylene & p-Xylene	1.07		0.0798		mg/Kg		09/19/22 14:40	09/22/22 12:09	2
			0.0399				09/19/22 14:40	09/22/22 12:09	2
o-Xylene	2.88				mg/Kg				
Xylenes, Total	13.1		0.0798		mg/Kg		09/19/22 14:40	09/22/22 12:09	2
Surrogate	%Recovery	-	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				09/19/22 14:40	09/22/22 12:09	2
1,4-Difluorobenzene (Surr)	117		70 - 130				09/19/22 14:40	09/22/22 12:09	2
Method: Total BTEX - Total BTEX	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	15.8		0.0798		mg/Kg			09/22/22 09:48	
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	2060		50.0		mg/Kg			09/14/22 09:34	
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	1010		50.0		mg/Kg		09/13/22 15:37	09/14/22 15:28	
(GRO)-C6-C10									
Diesel Range Organics (Over C10-C28)	1050		50.0		mg/Kg		09/13/22 15:37	09/14/22 15:28	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/22 15:37	09/14/22 15:28	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	128		70 - 130				09/13/22 15:37	09/14/22 15:28	
o-Terphenyl	118		70 - 130				09/13/22 15:37	09/14/22 15:28	
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	862		50.2		mg/Kg			09/15/22 14:58	1
lient Sample ID: S-2 (2-2.5)							Lab Sam	ple ID: 890-2	931-1
ate Collected: 09/09/22 00:00								Matri	ix: Soli
ate Received: 09/09/22 16:45									
ample Depth: 2 - 2.5									
Method: 8021B - Volatile Organic									
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00201		0.00201		mg/Kg		09/19/22 14:40	09/22/22 10:07	
Toluene	<0.00201	U	0.00201		mg/Kg		09/19/22 14:40	09/22/22 10:07	
<b>F</b> U U	<0.00201	U	0.00201		mg/Kg		09/19/22 14:40	09/22/22 10:07	
Etnylbenzene									
· · · · · · · · · · · · · · · · · · ·	<0.00402	U	0.00402		mg/Kg		09/19/22 14:40	09/22/22 10:07	
Ethylbenzene m-Xylene & p-Xylene o-Xylene			0.00402 0.00201		mg/Kg mg/Kg		09/19/22 14:40 09/19/22 14:40	09/22/22 10:07 09/22/22 10:07	

Prepared	Analyzed	Dil Fac
09/19/22 14:40	09/22/22 10:07	1

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Surrogate

4-Bromofluorobenzene (Surr)

Limits

70 - 130

%Recovery Qualifier

82

#### **Client Sample Results**

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

## Lab Sample ID: 890-2931-12

Matrix: Solid

5

Date Collected: 09/09/22 00:00 Date Received: 09/09/22 16:45

Project/Site: Forehand 22 6H

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

Client: NT Global

Sample Depth: 2 - 2.5

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,4-Difluorobenzene (Surr)	110		70 - 130				09/19/22 14:40	09/22/22 10:07	
Method: Total BTEX - Total BTEX	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/22/22 09:48	
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	125		49.9		mg/Kg			09/14/22 09:34	
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 15:49	
(GRO)-C6-C10 <mark>Diesel Range Organics (Over</mark>	125		49.9		mg/Kg		09/13/22 15:37	09/14/22 15:49	
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 15:49	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	121		70 - 130				09/13/22 15:37	09/14/22 15:49	
o-Terphenyl	121		70 - 130				09/13/22 15:37	09/14/22 15:49	-
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	777		49.7		mg/Kg			09/15/22 15:03	10
lient Sample ID: S-3 (0-1)							Lab Sam	ple ID: 890-2	931-13
ate Collected: 09/09/22 00:00								Matri	x: Solid
ate Received: 09/09/22 16:45									

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 B	<b>TEX Calculation</b>								
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 Rar	nge Organics (DR	0) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
			50.0		mg/Kg			09/14/22 09:34	

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

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

Date Collected: 09/09/22 00:00 Date Received: 09/09/22 16:45

Project/Site: Forehand 22 6H

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Client: NT Global

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
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/22 15:37	09/14/22 16:10	
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 Chron	hatography -	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)

Date Collected: 09/09/22 00:00 Date Received: 09/09/22 16:45

Sample Depth: 1 - 1.5

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 Analyte		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 (DR		0.00398	MDL	mg/Kg Unit	 D	Prepared		1 Dil Fac
Method: 8015 NM - Diesel Range Analyte	organics (DR	O) (GC) Qualifier		MDL		D	Prepared	09/22/22 09:48 Analyzed 09/14/22 09:34	1 Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang	e Organics (DR 	O) (GC) Qualifier U RO) (GC)	RL 49.9		Unit mg/Kg		<u>.</u>	Analyzed 09/14/22 09:34	1
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte	e Organics (DR Result <49.9 ge Organics (D Result	O) (GC) Qualifier U RO) (GC) Qualifier			Unit mg/Kg Unit	D	Prepared	Analyzed 09/14/22 09:34 Analyzed	1
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	e Organics (DR 	O) (GC) Qualifier U RO) (GC) Qualifier	RL 49.9		Unit mg/Kg		<u>.</u>	Analyzed 09/14/22 09:34	1
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	e Organics (DR Result <49.9 ge Organics (D Result	O) (GC) Qualifier U RO) (GC) Qualifier U			Unit mg/Kg Unit		Prepared	Analyzed 09/14/22 09:34 Analyzed	1 Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	e Organics (DR Result <49.9 ge Organics (D Result <49.9	O) (GC) Qualifier U RO) (GC) Qualifier U	RL 49.9 RL 49.9		Unit mg/Kg Unit mg/Kg		Prepared 09/13/22 15:37	Analyzed 09/14/22 09:34 Analyzed 09/14/22 16:31	1 Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	e Organics (DR Result <49.9 ge Organics (D Result <49.9	O) (GC) Qualifier U RO) (GC) Qualifier U	RL 49.9 RL 49.9		Unit mg/Kg Unit mg/Kg		Prepared 09/13/22 15:37	Analyzed 09/14/22 09:34 Analyzed 09/14/22 16:31	Dil Fac
Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	e Organics (DR Result <49.9 ge Organics (D Result <49.9 <49.9	O) (GC) Qualifier U RO) (GC) Qualifier U U	RL           49.9           RL           49.9		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 09/13/22 15:37 09/13/22 15:37	Analyzed 09/14/22 09:34 Analyzed 09/14/22 16:31 09/14/22 16:31	Dil Fac 1 Dil Fac 1 1 1 Dil Fac

1

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

Lab Sample ID: 890-2931-14

Matrix: Solid

o-Terphenyl 121 70 - 130 Page 15 of 44 Released to Imaging: 5/16/2024 4:25:11 PM

09/14/22 16:31

09/13/22 15:37

		Clien	t Sample R	esults	;				
Client: NT Global								Job ID: 890	
Project/Site: Forehand 22 6H								SDG: Eddy	Count
Client Sample ID: S-3 (1-1.5) Date Collected: 09/09/22 00:00 Date Received: 09/09/22 16:45 Sample Depth: 1 - 1.5	Ilected: 09/09/22 00:00 Matrix: S ceived: 09/09/22 16:45								
Method: 300.0 - Anions, Ion Chro									
Analyte Chloride	4360	Qualifier	RL	MDL	Unit mg/Kg	D	Prepared	Analyzed 09/15/22 15:12	Dil Fa
	4300		101		ilig/itg			03/13/22 13:12	2
Client Sample ID: S-3 (2-2.5) Date Collected: 09/09/22 00:00 Date Received: 09/09/22 16:45 Sample Depth: 2 - 2.5							Lab Sam	ple ID: 890-2 Matri	931-1 x: Soli
Method: 8021B - Volatile Organic						_			
Analyte		Qualifier		MDL		D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	-	0.00200		mg/Kg		09/19/22 14:40	09/22/22 11:08	
Toluene	<0.00200		0.00200		mg/Kg		09/19/22 14:40	09/22/22 11:08	
Ethylbenzene	<0.00200		0.00200		mg/Kg		09/19/22 14:40	09/22/22 11:08	
m-Xylene & p-Xylene	<0.00400		0.00400		mg/Kg		09/19/22 14:40	09/22/22 11:08	
o-Xylene	<0.00200		0.00200		mg/Kg		09/19/22 14:40	09/22/22 11:08	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/19/22 14:40	09/22/22 11:08	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	85		70 - 130				09/19/22 14:40	09/22/22 11:08	
1,4-Difluorobenzene (Surr)	110		70 - 130				09/19/22 14:40	09/22/22 11:08	
Method: Total BTEX - Total BTEX	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/22/22 09:48	
- Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9		mg/Kg			09/14/22 09:34	
- Method: 8015B NM - Diesel Range	e Organics (D	RO) (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 16:53	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 16:53	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/13/22 15:37	09/14/22 16:53	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	121		70 - 130				09/13/22 15:37	09/14/22 16:53	
o-Terphenyl	123		70 - 130				09/13/22 15:37	09/14/22 16:53	
_ Method: 300.0 - Anions, Ion Chroi	matography -	Soluble							
Analyte	• • •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	2100		25.2				-	-	

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

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

Date Collected: 09/09/22 00:00 Date Received: 09/09/22 16:45

Sample Depth: 3 - 3.5

Project/Site: Forehand 22 6H

Client: NT Global

Lab Sample ID: 890-2931-16 Matrix: Solid

nalyte	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 (DR	O) (GC)							
Analyte		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 Rang						_			
Analyte		Qualifier	RL	MDL		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
Oll 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 Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1370		24.8		mg/Kg		. <u> </u>	09/15/22 15:22	5
lient Sample ID: S-3 (4-4.5)							Lah Sam	ple ID: 890-2	31-17
lient Sample ID: 5-3 (4-4 5)									

Sampl	e Depth:	4 - 4.5
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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

#### **Client Sample Results**

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

## Lab Sample ID: 890-2931-17

Matrix: Solid

Date Collected: 09/09/22 00:00 Date Received: 09/09/22 16:45

Project/Site: Forehand 22 6H

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

Sample Depth: 4 - 4.5

Client: NT Global

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 (DR	0) (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 Rang	e Organics (D	RO) (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		09/13/22 11:41	09/13/22 23:39	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		09/13/22 11:41	09/13/22 23:39	1
C10-C28)									
Oll 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 Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Roount		• •=	=		-		· · · · · · · · · · · · · · · · · · ·	

9/22/2022

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

#### Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

		DED4		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1		Ę
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	· ·	
880-19067-A-41-C MS	Matrix Spike	106	96		
880-19067-A-41-D MSD	Matrix Spike Duplicate	96	107		6
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		8
890-2931-5	S-1 (0-1)_	92	109		
890-2931-6	S-1 (1-1.5)	93	104		0
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

		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(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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Prep Type: Total/NA

Prep Type: Total/NA

Client: NT Global

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

#### Project/Site: Forehand 22 6H Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued) Matrix: Solid

Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		5
890-2931-13	S-3 (0-1)	118	121		J
890-2931-14	S-3 (1-1.5)	119	121		6
890-2931-15	S-3 (2-2.5)	121	123		6
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		8
LCSD 880-34396/3-A	Lab Control Sample Dup	130	128		
LCSD 880-34417/3-A	Lab Control Sample Dup	97	107		9
MB 880-34396/1-A	Method Blank	105	110		
MB 880-34417/1-A	Method Blank	115	120		
Sumo note Lenond					

#### Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

#### **QC Sample Results**

Project/Site: Forehand 22 6H

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

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

Analysis Batch: 35059

	MB	MB							
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 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
	MB	МВ							
Surrogate	%Recovery	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

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

	LCS	LCS	
Surrogate	%Recovery	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							Prep	Batch:	34852
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

	LCSD	LCSD	
Surrogate	%Recovery	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 alveie Ratabi 25050

Analysis Batch: 35059									Prep	Batch: 34852
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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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Prep Type: Total/NA

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

Prep Type: Total/NA

Prep Batch: 34852

**Client Sample ID: Method Blank** 

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#### **Client Sample ID: Lab Control Sample**

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 34852

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**Client Sample ID: Matrix Spike** 

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

#### **QC Sample Results**

MS MS

0.07550

0.1603

0.08295

**Result Qualifier** 

Unit

mg/Kg

mg/Kg

mg/Kg

Spike

Added

0.101

0.202

0.101

Limits

70 - 130

70 - 130

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

Analysis Batch: 35059

Matrix: Solid

Analyte

o-Xylene

Surrogate

Ethylbenzene

m-Xylene & p-Xylene

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

Sample Sample

<0.00202

<0.00403 U

<0.00202 U

106

96

%Recovery

Result Qualifier

U

MS MS

Qualifier

MB MB

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

Prep Type: Total/NA

Prep Batch: 34852

**Client Sample ID: Matrix Spike** 

%Rec

Limits

70 - 130

70 - 130

70 - 130

%Rec

75

79

82

D

# 7

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

Matrix: Solid Analysis Batch: 35059

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

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Analysis Batch: 35059									Prep	Batch:	34852	
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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	Ē
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	
	MSD	MSD										

	MSD	MSD	
Surrogate	%Recovery	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	Result	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
	MB	MB							
Surrogate	%Recovery	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
1,4-Difluorobenzene (Surr)	115		70 - 130				09/21/22 11:58	09/21/22 17:00	

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

Lab Sample ID: MB 880-34396/1-A Matrix: Solid Analysis Batch: 34334		MD					Client Sa	mple ID: Metho Prep Type: 1 Prep Batch	Total/NA
	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/13/22 11:41	09/13/22 19:23	1
(GRO)-C6-C10									

#### **QC Sample Results**

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

#### Method: 8015B NM - Di 0 . 47 4.5

Lab Sample ID: MB 880-34396/1-/	4									Client Sa	ample ID: M	ethod	Blank
Matrix: Solid											Prep Ty		
Analysis Batch: 34334												Batch:	
		МВ	МВ										
Analyte	Re	esult	Qualifier	R	L	MDL	Unit		D P	repared	Analyzed	d	Dil Fac
Diesel Range Organics (Over		50.0		50.			mg/Kg		09/1	13/22 11:41	09/13/22 19		1
C10-C28)							• -						
Oll Range Organics (Over C28-C36)	<	50.0	U	50.	0		mg/Kg		09/1	13/22 11:41	09/13/22 19	):23	1
		ΜВ	МВ										
Surrogate	%Reco		Qualifier	Limits					F	Prepared	Analyze	d	Dil Fac
1-Chlorooctane		105		70 - 130	-					13/22 11:41	09/13/22 19		1
o-Terphenyl		110		70 - 130					09/1	13/22 11:41	09/13/22 19		1
Lab Sample ID: LCS 880-34396/2-	-A								Client	t Sample	ID: Lab Cor	ntrol Sa	ample
Matrix: Solid											Prep Ty		
Analysis Batch: 34334											Prep E	Batch:	34396
				Spike	LCS	LCS					%Rec		
Analyte				Added	Result	Qual		Unit	D	%Rec	Limits		
Gasoline Range Organics				1000	951.8			mg/Kg		95	70 - 130		
(GRO)-C6-C10				4000	047.0					00	70 400		
Diesel Range Organics (Over C10-C28)				1000	917.8			mg/Kg		92	70 - 130		
310-020)													
	LCS												
<u> </u>			ifier	Limits									
1-Chlorooctane				70 - 130									
o-Terphenyl	133	S1+		70 - 130									
Lab Sample ID: LCSD 880-34396/	2_4							Clie	nt San	anlo ID: I	ab Control	Sampl	
Matrix: Solid	<b>3-</b> M							One	int Gan	ipie ib. L	Prep Ty		
												Batch:	
Analysis Ratch: 34334											1 ICP -	Jacon	
Analysis Batch: 34334				Snike		I CSI	r				%Rec		
-				Spike Added	LCSD Result			Unit	р	%Rec	%Rec Limits	RPD	RPD
Analyte				Added	Result		ifier	Unit ma/Ka	D		Limits	<b>RPD</b>	RPD Limit
-				-			ifier	<b>Unit</b> mg/Kg	<u>D</u>	<b>%Rec</b>		<b>RPD</b> 12	RPD
Analyte				Added	Result		ifier		<u>D</u>		Limits		RPD Limit
Analyte Gasoline Range Organics (GRO)-C6-C10				Added	<b>Result</b> 842.1		ifier	mg/Kg	<u> </u>	84	Limits	12	RPD Limit 20
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	LCSD			Added	<b>Result</b> 842.1		ifier	mg/Kg	<u> </u>	84	Limits	12	RPD Limit 20
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	LCSD %Recovery			Added	<b>Result</b> 842.1		ifier	mg/Kg	<u> </u>	84	Limits	12	RPD Limit 20
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	LCSD %Recovery 130			Added	<b>Result</b> 842.1		ifier	mg/Kg	D	84	Limits	12	RPD Limit 20
Analyte         Gasoline Range Organics         (GRO)-C6-C10         Diesel Range Organics (Over         C10-C28)         Surrogate         1-Chlorooctane	%Recovery 130			Added 1000 1000 <i>Limits</i> 70 - 130	<b>Result</b> 842.1		ifier	mg/Kg	<u>D</u>	84	Limits	12	RPD Limit 20
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	%Recovery			Added 1000 1000 <i>Limits</i>	<b>Result</b> 842.1		ifier	mg/Kg	<u>D</u>	84	Limits	12	RPD Limit 20
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	% <b>Recovery</b> 130 128			Added 1000 1000 <i>Limits</i> 70 - 130	<b>Result</b> 842.1		ifier	mg/Kg	<u>D</u>	98	Limits	12	RPD Limit 20 20
Analyte         Gasoline Range Organics         (GRO)-C6-C10         Diesel Range Organics (Over         C10-C28)         Surrogate         1-Chlorooctane         o-Terphenyl	% <b>Recovery</b> 130 128			Added 1000 1000 <i>Limits</i> 70 - 130	<b>Result</b> 842.1		ifier	mg/Kg	<u>D</u>	98	Limits 70 - 130 70 - 130 Sample ID:	12 7 Matrix	RPD Limit 20 20 Spike
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-19130-A-8-B	% <b>Recovery</b> 130 128			Added 1000 1000 <i>Limits</i> 70 - 130	<b>Result</b> 842.1		ifier	mg/Kg	<u>D</u>	98	Limits 70 - 130 70 - 130 Sample ID: 1 Prep Ty	12 7 Matrix	RPD Limit 20 20 Spike tal/NA

Analysis Batch: 34334									Pre	p Batch: 34396
	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 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	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	86		70 - 130

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Lab Sample ID: 880-19130-A-8-C MSD

#### **QC Sample Results**

MSD MSD

645.9 F1

899.8

Result Qualifier

MDL Unit

mg/Kg

mg/Kg

mg/Kg

Unit

mg/Kg

mg/Kg

D

Spike

Added

999

999

Limits

70 - 130

70 - 130

Analysis Batch: 34334

Gasoline Range Organics

Diesel Range Organics (Over

Analysis Batch: 34435

Gasoline Range Organics

**Diesel Range Organics (Over** 

Oll Range Organics (Over C28-C36)

Lab Sample ID: LCS 880-34417/2-A

Lab Sample ID: MB 880-34417/1-A

Matrix: Solid

(GRO)-C6-C10

C10-C28)

Surrogate

o-Terphenyl

Analyte

C10-C28)

Surrogate

o-Terphenyl

1-Chlorooctane

1-Chlorooctane

Matrix: Solid

(GRO)-C6-C10

Analyte

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

Sample Sample

<49.9 UF1

MSD MSD

Qualifier

MB MB

<50.0 U

<50.0 U

<50.0 U

115

120

%Recovery

MB MB

Qualifier

**Result Qualifier** 

<49.9 U

95

83

%Recovery

Result Qualifier

Prep Batch: 34417

**Client Sample ID: Matrix S** 

		ype: To Batch:			
5	RPD		%Rec		
	Limit	RPD	Limits	%Rec	D
	20	2	70 - 130	63	
7	20	2	70 - 130	90	
8					
9					
1	Blank	Vethod	mple ID: I	Client Sa	
1		Method ype: To		Client Sa	
1( 1)	tal/NA		Prep T	Client Sa	
1 1 1	tal/NA	ype: To Batch:	Prep T	Client Sa	
1 1 1	tal/NA 34417	ype: To Batch:	Prep T Prep		Pi
1 1 1 1	tal/NA 34417 Dil Fac	bype: To Batch: ed 09:53	Prep T Prep Analyz	repared	<b>P</b> 1 09/1
1 1 1 1	tal/NA 34417 Dil Fac 1	ype: To Batch: ed 09:53	Prep T Prep Analyz 09/14/22 (	repared 3/22 15:37	<b>P</b> i 09/13
1 1 1 1	tal/NA 34417 Dil Fac 1 1	ype: To Batch: 09:53 09:53	Prep T Prep Analyz 09/14/22 ( 09/14/22 (	repared 3/22 15:37 3/22 15:37	<b>P</b> 1 09/1 09/1 09/1
1 1 1 1	tal/NA 34417 Dil Fac 1 1 1	ype: To           Batch:           ed           19:53           09:53           09:53           ed	Prep T Prep 09/14/22 ( 09/14/22 ( 09/14/22 (	repared 3/22 15:37 3/22 15:37 3/22 15:37	Pi 09/13 09/13 09/13 09/13

Matrix: Solid	
Analysis Batch: 3443	5

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

RL

50.0

50.0

50.0

Limits

70 - 130

70 - 130

	LCS	LCS	
Surrogate	%Recovery	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				Clier	nt Sarr	ple ID:		ol Sampl Type: To Batch:	tal/NA
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	970.3		mg/Kg		97	70 - 130	8	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1008		mg/Kg		101	70 - 130	1	20
C10-C28)									

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#### **QC Sample Results**

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

Lab Sample ID: LCSD 880-3441	7/ <b>3-A</b>					Clier	nt Sam	ple ID: I	Lab Contro	I Sampl	e Dup
Matrix: Solid									Prep T	ype: To	tal/NA
Analysis Batch: 34435										Batch:	
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	97		70 - 130								
o-Terphenyl	107		70 - 130								
Lab Sample ID: 890-2931-1 MS									Client S	ample II	D: H-1
Matrix: Solid										ype: To	
Analysis Batch: 34435										Batch:	
	Sample	Sample	Spike	MS	MS				%Rec		•••••
Analyte	•	Qualifier	Added	Result		Unit	D	%Rec	Limits		
Gasoline Range Organics	<49.9		996	1098		mg/Kg		108	70 - 130		
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.9	U	996	958.6		mg/Kg		96	70 - 130		
C10-C28)											
	MS										
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	106		70 - 130								
o-Terphenyl	95		70 - 130								
Lab Sample ID: 890-2931-1 MSE	)								Client S	ample II	D: H-1
Matrix: Solid									Prep T	ype: To	tal/NA
Analysis Batch: 34435									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	<49.9	U	999	1097		mg/Kg		108	70 - 130	0	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.9	U	999	961.7		mg/Kg		96	70 - 130	0	20
C10-C28)											
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
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										Clie	nt S	ample ID: Metho Prep Type:	
	МВ	мв											
Analyte	Result	Qualifier		RL		MDL	Unit		D	Prepar	ed	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									Clier	nt San	nple	ID: Lab Control	Sample
Matrix: Solid											· .	Prep Type:	Soluble
Analysis Batch: 34568													
			Spike		LCS	LCS						%Rec	
Analyte			Added		Result	Qual	ifier	Unit	D	%R	ec	Limits	
Chloride			200		192.2			mg/Kg			96	90 - 110	

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

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-34414 Matrix: Solid	4/3-A					Clie	ent Sam	nple ID:	Lab Contro Prep	ol Sampl Type: S	
Analysis Batch: 34568											
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			200	192.7		mg/Kg		96	90 - 110	0	20
Lab Sample ID: 890-2931-8 MS								Clie	ent Sample	ID: S-1	(3-3.5)
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 34568											
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	968		1260	2304		mg/Kg		106	90 - 110		
Lab Sample ID: 890-2931-8 MSD	)							Clie	ent Sample	ID: S-1	(3-3.5)
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 34568											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	968		1260	2295		mg/Kg		106	90 _ 110	0	20

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#### Prep Batch: 34852

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch	
890-2931-1	H-1	Total/NA	Solid	5035		E
890-2931-2	H-2	Total/NA	Solid	5035		5
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		8
890-2931-9	S-1 (4-4.5)	Total/NA	Solid	5035		
890-2931-10	S-2 (0-1`)	Total/NA	Solid	5035		9
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		40
LCS 880-34852/1-A	Lab Control Sample	Total/NA	Solid	5035		13
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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#### Job ID: 890-2931-1 SDG: Eddy County

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#### GC VOA (Continued)

#### Analysis Batch: 35059 (Continued)

lient Sample ID	Prep Type	Matrix	Method	Prep Batch
latrix Spike Duplicate	Total/NA	Solid	8021B	34852

#### Analysis Batch: 35137

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	Ргер Туре	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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#### 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	Ргер Туре	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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#### Job ID: 890-2931-1 SDG: Eddy County

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

#### 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	Ргер Туре	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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#### Job ID: 890-2931-1 SDG: Eddy County

Released to Imaging: 5/16/2024 4:25:11 PM

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

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

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

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

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

Date Collected: 09/09/22 00:00 Date Received: 09/09/22 16:45

Project/Site: Forehand 22 6H

**Client Sample ID: H-1** 

Client: NT Global

Batch	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 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	СН	EET MID

#### **Client Sample ID: H-2**

Date Collected: 09/09/22 00:00

Date Received: 09/09/22 16:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID

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

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

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Matrix: Solid

Lab Sample ID: 890-2931-2

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

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

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

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

Lab Sample ID: 890-2931-5

Date Collected: 09/09/22 00:00 Date Received: 09/09/22 16:45

Project/Site: Forehand 22 6H

**Client Sample ID: H-4** 

Client: NT Global

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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	СН	EET MID

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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	СН	EET MID

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 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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Matrix: Solid

## Lab Sample ID: 890-2931-6

Lab Sample ID: 890-2931-7

Matrix: Solid

Matrix: Solid

#### Lab Chronicle

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

Matrix: Solid

Matrix: Solid

Matrix: Solid

9

Lab Sample ID: 890-2931-7

Lab Sample ID: 890-2931-8

Lab Sample ID: 890-2931-9

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

Date Received: 09/09/22 16:45

Project/Site: Forehand 22 6H

Client: NT Global

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

#### Client Sample ID: S-1 (3-3.5) Date Collected: 09/09/22 00:00

Date Received: 09/09/22 16:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID

#### Client Sample ID: S-1 (4-4.5) Date Collected: 09/09/22 00:00 Date Received: 09/09/22 16:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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`) Date Collected: 09/09/22 00:00 Date Received: 09/09/22 16:45

Lab Sample ID: 890-2931-10

Matrix: Solid

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

Client: NT Global

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Project/Site: Forehand 22 6H

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

Batch

Туре

Prep

Analysis

Analysis

Analysis

Batch

Method

5035

8021B

Total BTEX

8015NM Prep

8015B NM

DI Leach

300.0

8015 NM

Date Collected: 09/09/22 00:00

Date Received: 09/09/22 16:45

Initial

Amount

5.01 g

5 mL

10.01 g

1 uL

4.98 g

Final

Amount

5 mL

5 mL

10 mL

1 uL

50 mL

Dil

20

1

1

1

10

Factor

Run

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

## Lab Sample ID: 890-2931-11

Analyst

EL

MR

AJ

SM

DM

SM

ĸs

СН

Lab Sample ID: 890-2931-12

Lab Sample ID: 890-2931-13

Lab Sample ID: 890-2931-14

Matrix: Solid

Lab

EET MID

Matrix: Solid

5 9

Matrix: Solid

Prepared

or Analyzed

09/19/22 14:40

09/22/22 12:09

09/22/22 09:48

09/14/22 09:34

09/13/22 15:37

09/14/22 15:28

09/13/22 15:08

09/15/22 14:58

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID

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

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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** 

Matrix: Solid

Batch

34852

35059

35137

34478

34417

34435

34414

34568

Number

#### Total/NA Prep Total/NA Analysis Soluble Leach Soluble Analysis

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

Date Received: 09/09/22 16:45

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

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

Lab Sample ID: 890-2931-15

Date Collected: 09/09/22 00:00 Date Received: 09/09/22 16:45

Project/Site: Forehand 22 6H

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

Client: NT Global

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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) Date Collected: 09/09/22 00:00 Date Received: 09/09/22 16:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	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	СН	EET MID

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

Date Collected: 09/09/22 00:00 Date Received: 09/09/22 16:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID

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

Ргер Туре	Batch Type	Batch	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
		Method								
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

> 11 12 13

## Lab Sample ID: 890-2931-16

Matrix: Solid

Matrix: Solid

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

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

Project/Site: Forehand 22 6H

	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	5
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	6

#### Laboratory References:

Client: NT Global

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

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

Eurofins Carlsbad

Accreditation/Certification Summary

#### Laboratory: Eurofins Midland

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

Ithority	P	Program	Identification Number	Expiration Date
xas	N	NELAP	T104704400-22-24	06-30-23
The following analytes	s are included in this report, b	but the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for wr
the agency does not o		Matrix	Analyte	
the agency does not of Analysis Method 8015 NM	ffer certification . Prep Method	Matrix Solid	Analyte Total TPH	

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10

Job ID: 890-2931-1

SDG: Eddy County

9/22/2022

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
	"Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third E = TestAmerica Laboratories, Standard Operating Procedure	dition, November 1986 And Its Updates.	
Laboratory R			
EET MID	= Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440	)	

#### Protocol References:

#### Laboratory References:

Client Sample ID

# **Sample Summary**

Matrix

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

Lab Sample ID

		Job ID: 890-2931-1 SDG: Eddy County	2
Collected	Received Depth		3
09/09/22 00:00 09	0/09/22 16:45		Л
09/09/22 00:00 09	0/09/22 16:45 2		4

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	5
890-2931-4	H-4	Solid	09/09/22 00:00	09/09/22 16:45	4	5
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	8
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	9
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	
						12
						13

Ethan Sessums	NTG Environmental Company Name:		Address: Addres	Inmental I Ave I Ave M 88220 56 6 M 88220 56 M 88220 57 M 88220 57 M 88220 57 M 88220 57 M 88220 57 M 88220 57 M 88220 57 M 78 M 78	Email: Email: Tur Version Correction Factor: Correction Factor: Corrected Time Soil Soil Soil Soil Soil Soil Soil Soil	Bill to: (if different)       Company Name:       Address:       Address:       City, State ZIP:       Comp       Comp       Comp       Comp       City, State ZiP:       Comp       Comp       City, State ZiP:       Comp       City, State ZiP:       Comp       City, State ZiP:       Comp       City, State ZiP:       Comp       Comp	Image: Provide statistical statis statis statistical statistical statistical statistical statisti	ANALYSIS REQ ANALYSIS REQ ANALYSIS REQ ANALYSIS REQ Biological and subcontractors. It assigns standard assigns standard ses terms will be enforced unless previous to circumstance Biological and the set of circumstance by: (Signatt	Program: UST/PST [PRP [         State of Project:         Reporting:Level II [ Level II         Deliverables: EDD [         UEST         Ustody         Justody         Custody         State conditions         ces beyond the control         ously negotiated.         (S)	Brownfields RRC Brownfields RRC ADaPT □ Other: Preservat HolD HolD None: NO Cool: Cool HCL: HC H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub> H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO Zn Acetate+NaO Sample C Sample C
NTG Environmental Company Name: Program: UST/PST PRP Brownfields RRC		ar.pb       Cardbadd, NN 68220       Email       Cort, Sale Z/P       Enail       <		1 Ave		Address:			State of Project:	
NTG Environmental       Company Name:       Program: UST/PST       PRP       Brownfields       RRC         402 E Wood Ave       Address:       State of Project:	402 E Wood Ave Address: State of Project:	Deliverables:     EDD     ADaPT     Other:       ANALYSIS REQUEST     Preservating     None: NO     Cool: Cool       None: NO     Cool: Cool     HCL: HC       None: NO     None: NO     None: NO       Cool: Cool     HcL: HC     HcL: HC       None: NO     None: NO     None: NO       None: NO     Cool: Cool     HcL: HC       None: NO     None: NO     None: NO       None: NO     None:		M 88220		City State ZIP:			Reporting:Level II Level III	
NTG Environmental       Company Name:       Program: UST/PST [PRP ] Brownfields [RRC         402 E Wood Ave       Address:       State of Project:         Carlsbad, NM 88220       City, State ZIP:       Reporting:Level II ] Level II ] Level II ] PST/UST ] RRP	402 E Wood Ave     Address:     State of Project:       Carlsbad. NM 88220     City. State ZIP:     Reporting: Level II Level II Level II PST/UST RRP	ANALYSIS REQUEST     Preservati       Image: Standard terms and conditions reduce to circumstances beyond the control inforced unless periodusly negotiated.     Image: Signature standard terms and conditions		56	Email:				Deliverables: EDD	
ny Name:       NTG Environmental       Company Name:       Program: UST/PST       PRP       Brownfields       RRC         s:       402 E Wood Ave       Address:       Address:       State of Project:       State of Project:       State of Project:       State of Project:       Reporting:Level II       Level III       PST/UST       PRP         254-266-5456       Email:       Email:       Email:       Deliverables:       EDD       ADaPT       Other:	s: 402 E Wood Ave Address: State of Project: Address: Carlsbad, NM 88220 City, State ZIP: Carlsbad, NM 88220 City, State ZIP: Carlsbad, NM 88220 Email: Deliverables: EDD ADaPT Other:	-2931 Chain of Custody       -	Name:	B	Turr	1 Around		ANALYSIS REQ	UEST	Preservat
ny Name:       NTG Environmental       Company Name:       Program: UST/PST [PRP ] Prownfields [RRC         s:       402 E Wood Ave       Address:       State of Project:         ate ZIP:       Carlsbad, NM 88220       City, State ZIP:       Reporting:Level II ] Level III ] PST/UST ] RRP         254-266-5456       Email:       Email:       Deliverables: EDD ]       ADaPT ]       Other:         Name:       Turn Around       ANALYSIS REQUEST       Preservati       Preservati	s:     402 E Wood Ave     Address:     State of Project:       ate ZIP:     Carlsbad, NM 88220     City, State ZIP:     Reporting:Level II Level III PST/UST PRP       254-266-5456     Email:     City, State ZIP:     Deliverables: EDD     ADaPT     Other:       Name:     Turn Around     ANALYSIS REQUEST     Preservati	P-2931 Chain of Custody -2931 Chain of Custody It assigns standard terms and conditions re due to circumstances beyond the control Inforced unless previously negotiated. HOLD HOLD HOLD	ň		Routine	Rush	Pres. Code			None: NO
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any Name:       NTG Environmental       Company Name:       Program: UST/PST []PRP [] rownfields []RRP         ss:       402 E Wood Ave       Address:       Address:       State of Project:         ss:       402 E Wood Ave       Email:       City, State ZIP:       Email:       State of Project:         ss:       254-266-5456       Email:       Turn Around       Pres.       Reporting:Level II [] Level III [] PST/UST [] PRP       State of Project:         state of Project:       Turn Around       Fres.       Code       MALYSIS REQUEST       Preservati         t Number:       Can A-L       Due Date:       Preservati       None: NO       Code       None: NO         t Location       CAA       Can A-L       Due Date:       Ves No       No       Preservati         pLE RECEIPT       Temp Blank:       Ves No       Thermometer ID:       N/N/N OCT       ara       802 H       DR       H       H       H; Po; HB       HASO; NABIS         ved intact:       Yes <no< td="">       Thermometer ID:       N/N/N OCT       ara       802 H       MR       IIII H       IIII H       H; Po; HB       H; Po; HB         ved intact:       Yes<no< td="">       Thermometer ID:       N/N/N OCT       Ara       1IIII H       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII</no<></no<>	ss:       402 E Wood Ave       Address:       State of Project:         istate ZIP:       Carisbad, NM 88220       Email:       City, State ZIP:       Reporting: Level II       Level II       Deliverables: EDD       ADaPT       Other:         istate ZIP:       254-266-5456       Email:       Turn Around       Free       No       No       Preservati       Preservati       Preservati       Preservati       None: NO         istate ZIP:       Zoda (en Address:       Due Date:       Preservati       Preservati       Preservati       None: NO       None: NO         istate Tree Name:       Carisbad, NM       Yes       No       Thermometer ID:       No       Preservati       Preservati       Preservati         istat:       Yes       No       Thermometer ID:       No       Preservati       Pres	-2831 Chain of Custody -2831 Chain of Custody -2831 Chain of Custody -2831 Chain of Custody		NO NA	orrection Factor:	0	TEX ( GR			
any Name:       NTG Environmental       Company Name:       Company Name:       Program: ustrPst □PRP       Brownfields □RRP         ss:       402 E Wood Ave       Address:       Address:       State of Project:       State of Project:       State of Project:       Reporting:Level II □ Level II □ Dstr/UST □PRP       Brownfields □RRP         site ZIP:       254-266-5456       Email:       Turn Around       Pres.       Reporting:Level II □ Level II □ Dstr/UST □ Preservatit         til Location       Environmenter:       Intrast the day received by the lab; if received by 4:30pm       Pres.       AnALYSIS REQUEST       Preservatit       None: NO         ref Name:       Custody Seels:       Yes       No       Thermometer ID:       No       MRO       H       H       H       None: NO         ref Name:       Yes       No       Thermometer ID:       No       H	ss:       402 E Wood Ave       Address:       State of Project:         iste ZIP:       Carisbad, NM 88220       Email:       City, State ZIP:       Reporting:Level II       Level III       Parameters         it Name:       Forchard       264-266-5456       Email:       Vestor       Rush       Preservati       Reporting:Level II       Level III       Parameters         it Number:       Forchard       264-266-5456       Email:       Vestor       Preservati       None: NO         it Number:       Forchard       264       Due Date:       Rush       Preservati       None: NO         it Location       Formary       Tat' starts the day received by the lab; if received by 4:30pm       Preservati       None: NO       Cool: Cool         it Location       Formary       Intermometer ID:       None: NO       Cool: Cool       HCL: HC         it starts the day received by 4:30pm       It starts the day received by 4:30pm       Hold: HCL: HC       H <sub>3</sub> S0; H <sub>2</sub> it starts       Yes       No       Thermometer ID:       None: NO       Cool: Cool         it starts       Yes       No       Thermometer ID:       None: NO       H <sub>3</sub> S0; H <sub>2</sub> it starts       Yes       No       Thermometer ID:       None: NO       H <sub>3</sub> S0; N	It assigns standard terms and conditions re due to circumstances beyond the control inforced unless previously negotiated. Received by: (Signature)		NO N/A	emperature Reading:	11.	15M			Zn Acetate+NaC
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any Name:       NTG Environmental       Company Name:       Program: UST/PST []PRP       Prownfields       Rrc         ss:       402 E Wood Ave       Address:       Address:       State of Project:       State of Project:       Reporting: Level II       Level III       Deliverables:       Enail:       Prost.       Reporting: Level II       Level III       Deliverables:       EDD       ADaPT       Other:         state of Project:       Email:       Trum Around       Prost.       Code       Name:       Prost.       Reporting: Level II       Level III       Deliverables:       EDD       ADaPT       Other:         state of Project:       Trum Around       Free.       Reporting: Level II       Level III       Deliverables:       EDD       ADaPT       Other:         state of Project:       Trum Around       Free.       Reporting: Level II       Level III       Deliverables:       EDD       ADaPT       Other:         states Name:       Transistic day reserved by 4:30pm       Transistic day reserved by 4:30pm       Preservati       Nome: NO       Cool: Cool       HCL: HC       HCD: HC       HCD: HC       HSO; HJ	ss:       402 E Wood Ave       Address:       State of Project:         sile ZIP:       Carlsbad, NM 88220       Email:       City, State ZIP:       Reporting:Level II       Level III       Parameters         Number:       Farchard       254-266-5456       Email:       Pres.       Pres.       Deliverables: EDD       ADaPT       Other:         I Number:       Farchard       27 Gut       Interceived by the lab; if received by 430pm       Pres.       Code       AnaLysis REQUEST       Preservati:       None: NO         I Location       Farchard       Cover No       Transits the day received by 430pm       Pres.       Code       None: NO       Cool: Cool         I Location       Femolit:       Temp Blank:       Ves       No       Thermometer ID:       NVMOOT       Parameters       BTEX 8021B       H 8015M       GRO + DRO + MRO)       Chioride 4500       NaH;50; NaBIS       NaH;50; NaBIS         Custody Seals:       Yes       No       Temperature:       O	It assigns standard terms and cond re due to circumstances beyond the c inforced unless previously negotiatec ihed by: (Signature)	Sample Identification	Date						Sample C
any Name:       NTG Environmental       Company Name:       Program: USTPST [PRP ]shownfields [PRP	ss.       402 E Wood Ave       Address:       State of Project:       Reporting: Level II       Level II       Deliverables: ED       Preservati         t Name:       Fort.M.J. 32       G.M.       Turn Around       Pres.       Code       Pres.       Code       Man: Visit REQUEST       Preservati       Preservati       None: NO       Preservati         t Number:       Tamp Blank:       Yes       No       Themoretion Factor:       -OO.       Preservati       None: NO       Cool: Cool       HCol: HC       HSO; H2       HSO; H2       H2       H2       H2       None: NO       None: NO       Cool: Cool       H2       H2       None: NO       Cool: Cool       H2       H2       H2       None: NO       Cool: Cool       H2       H2       H2       None: NO       H2	It assigns standard 'terms and conditions re due to circumstances beyond the control inforced unless previously negotiated. And by: (Signature) Received by: (Signature)	H-1	•	X	Grate				
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ENVIRONMENTAL Ethan Sessums	Page 3 of 2 Work Order Comments
Project Manager: Ethan Sessums Bill to: (# different)	Work Order Comments
NTG Environmental	Program: UST/PST PRP Brownfields RRC uperfund
402 E Wood Ave	I
220	Reporting:Level II Level III PST/UST PRRP Level IV
254-266-5456 Email:	Deliverables: EDD ADaPT Other:
Project Name: Friend 2264 / Turn Around	ANALYSIS REQUEST Preservative Codes
97	None: NO DI Water: H <sub>2</sub> O
Eddy I hunter Due Date:	Cool: Cool MeOH: Me
TAT starts the day received by the	
iau, ii received by 4.500m	
CEIPI Temp Blank: Yes No Wet Ice: Yes No ame	D Nation Maria
Cooler Custody Seals: Yes No N/A Correction Reger Par	HO Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , NaSO <sub>3</sub>
: Yes No WA Temperature Reading:	Zn Acetate+NaOH: Zn
Total Containers: Corrected Temperature: 80	NaUH+Ascordic Acid: SAPC
Sample Identification Date Time Soil Water Comp Cont	Sample Comments
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Additional Comments:	
Volte: 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.	d subcontractors. It assigns standard terms and conditions It if such losses are due to circumstances beyond the control ree terms will be enforced unless previously negotiated.
Relinquished by: (Signature) Received by: (Signature) Date/Time	Relinquished by: (Signature) Received by: (Signature) Date/Time
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14

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

List Source: Eurofins Carlsbad

# Login Sample Receipt Checklist

Client: NT Global

# Login Number: 2931 List Number: 1

Creator: Clifton, Cloe

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	N/A	

ring zero headspace have no headspace or bubble is <6mm (1/4").

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

List Source: Eurofins Midland

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

# Login Sample Receipt Checklist

Client: NT Global

Login Number: 2931 List Number: 2 Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
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	N/A	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

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----- LINKS

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# 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

KRAMER

Authorized for release by: 10/17/2022 11:28:34 AM

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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.

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	22

DLC

EDL

LOD

LOQ

MCL

MDA

MDC MDL

ML

MPN MQL

NC

ND

NEG

POS

PQL

PRES QC

RER

RPD

TEF

TEQ

TNTC

RL

Decision Level Concentration (Radiochemistry)

EPA recommended "Maximum Contaminant Level"

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

Minimum Detectable Activity (Radiochemistry) Minimum Detectable Concentration (Radiochemistry)

Estimated Detection Limit (Dioxin)

Limit of Detection (DoD/DOE)

Method Detection Limit

Minimum Level (Dioxin) Most Probable Number

Method Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

Not Calculated

Negative / Absent

Positive / Present Practical Quantitation Limit

Presumptive

**Quality Control** 

Limit of Quantitation (DoD/DOE)

	Deminions/Glossary		
Client: NT Glo	bal OREHAND RANCH 22 6H	Job ID: 890-3178-1 SDG: 226349	2
Qualifiers			
Quaimers			3
GC VOA Qualifier	Qualifier Description		4
F1	MS and/or MSD recovery exceeds control limits.		
F2	MS/MSD RPD exceeds control limits		5
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		8
F1	MS and/or MSD recovery exceeds control limits.		
U	Indicates the analyte was analyzed for but not detected.		9
Glossary			10
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		13
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		

**Eurofins Carlsbad** 

#### 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.

Job ID: 890-3178-1 SDG: 226349

# **Client Sample Results**

Job ID: 890-3178-1 SDG: 226349

Matrix: Solid

5

# Client Sample ID: H-5

Client: NT Global

Date Collected: 10/06/22 00:00 Date Received: 10/06/22 15:41

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 - To	otal BTEX Cal	culation							
Analyte		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 Organ	ics (DRO) (0	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 - Dies			1						
Analyte		Qualifier	RL	MDL		<u>D</u>	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	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/10/22 07:33	10/11/22 18:32	,
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/10/22 07:33	10/11/22 18:32	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	89		70 - 130				10/10/22 07:33	10/11/22 18:32	1
p-Terphenyl	78		70 - 130				10/10/22 07:33	10/11/22 18:32	
Method: MCAWW 300.0 - Anions,	Ion Chromato	ography - So	oluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	136		49.9		mg/Kg			10/13/22 12:21	10
lient Sample ID: H-6							Lab San	nple ID: 890-	3178-2
ate Collected: 10/06/22 00:00 ate Received: 10/06/22 15:41								Matri	ix: Solic
Method: SW846 8021B - Volatile (	Organic Comp	ounds (GC)							

#### Benzene <0.00199 U 0.00199 mg/Kg 10/14/22 10:26 10/15/22 09:06 1 Toluene 0.00199 <0.00199 U 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 10/14/22 10:26 10/15/22 09:06 mg/Kg 1 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 79 70 - 130 10/14/22 10:26 10/15/22 09:06 4-Bromofluorobenzene (Surr) 1 1,4-Difluorobenzene (Surr) 87 70 - 130 10/14/22 10:26 10/15/22 09:06 1

**Eurofins Carlsbad** 

Lab Sample ID: 890-3178-1

# **Client Sample Results**

Job ID: 890-3178-1 SDG: 226349

Matrix: Solid

5

Lab Sample ID: 890-3178-2

# Client Sample ID: H-6

Client: NT Global

Date Collected: 10/06/22 00:00 Date Received: 10/06/22 15:41

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 Organ	ics (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 - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		10/10/22 07:33	10/11/22 18:54	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		10/10/22 07:33	10/11/22 18:54	1
C10-C28)									
Oll 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 Chromato	oraphy - So	oluble						
Analyte		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

Date Collected: 10/06/22 00:00 Date Received: 10/06/22 15:41 Lab Sample ID: 890-3178-3 Matrix: Solid

# 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

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 - Dies	el Range Organ	ics (DRO) (O	SC)						
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 - Die	sel Range Orga	nics (DRO)	(GC)						
		nics (DRO) Qualifier	(GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte		Qualifier	· · /	MDL	Unit mg/Kg	<u>D</u>	Prepared 10/10/22 07:33	Analyzed 10/11/22 19:16	Dil Fac
Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10	Result	Qualifier		MDL		<u>D</u>	<u> </u>		Dil Fac

Eurofins Carlsbad

d: 10/06/22 15:41

C10-C28)

# **Client Sample Results**

Job ID: 890-3178-1 SDG: 226349

Matrix: Solid

Lab Sample ID: 890-3178-3

## Client Sample ID: H-7 Date Collected: 10/06/22 00:00

Client: NT Global

Date Received: 10/06/22 15:4

Method: SW846 8015B NM - Die	esel Range Orga	nics (DRO	) (GC) (Continue	d)					
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/10/22 07:33	10/11/22 19:16	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	85		70 - 130				10/10/22 07:33	10/11/22 19:16	
o-Terphenyl	78		70 - 130				10/10/22 07:33	10/11/22 19:16	
- Method: MCAWW 300.0 - Anior	ns, Ion Chromato	ography - S	oluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	1030	F1	25.0		mg/Kg			10/13/22 12:31	
Client Sample ID: S-2 (6')							Lab San	nple ID: 890-	3178-
Date Collected: 10/06/22 00:00								-	x: Soli
Date Received: 10/06/22 15:41									
Sample Depth: 6									
-	0								
Method: SW846 8021B - Volatil Analyte		OUNOS (GC Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00201		0.00201		mg/Kg	<u> </u>	10/14/22 10:26	10/15/22 09:48	
Toluene	< 0.00201		0.00201		mg/Kg		10/14/22 10:26	10/15/22 09:48	
Ethylbenzene	< 0.00201		0.00201		mg/Kg		10/14/22 10:26	10/15/22 09:48	
m-Xylene & p-Xylene	<0.00402		0.00402		mg/Kg		10/14/22 10:26	10/15/22 09:48	
o-Xylene	<0.00201		0.00201		mg/Kg		10/14/22 10:26	10/15/22 09:48	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/14/22 10:26	10/15/22 09:48	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	95		70 - 130				10/14/22 10:26	10/15/22 09:48	
1,4-Difluorobenzene (Surr)	104		70 - 130				10/14/22 10:26	10/15/22 09:48	
- Method: TAL SOP Total BTEX -	Total BTEX Cal	sulation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00402		0.00402		mg/Kg			10/17/22 10:10	
_ Method: SW846 8015 NM - Dies	sol Rango Organ								
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	(vesual / <50.0		50.0		mg/Kg			10/12/22 10:45	
		-	00.0						
Method: SW846 8015B NM - Die	esel Range Orga	nics (DRO	) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		10/10/22 07:33	10/11/22 19:38	
(GRO)-C6-C10	_								
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		10/10/22 07:33	10/11/22 19:38	

10/11/22 19:38

Analyzed

10/11/22 19:38

10/11/22 19:38

Analyzed

10/13/22 12:45

C10-C28)

Surrogate

o-Terphenyl

Analyte

Chloride

1-Chlorooctane

Oll Range Organics (Over C28-C36)

50.0

RL

24.8

Limits

70 - 130

70 - 130

mg/Kg

MDL Unit

mg/Kg

10/10/22 07:33

Prepared

10/10/22 07:33

10/10/22 07:33

Prepared

D

<50.0 U

%Recovery Qualifier

87

78

1000

Result Qualifier

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

1

1

1

5

Dil Fac

Dil Fac

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

Result Qualifier

Qualifier

<0.00202 U

<0.00202 U

<0.00202 U

<0.00403 U

<0.00202 U

<0.00403 U

102

101

<0.00403 U

Result Qualifier

Result Qualifier

<49.9 U

%Recovery

RL

0.00202

0.00202

0.00202

0.00403

0.00202

0.00403

Limits

70 - 130

70 - 130

RL

RL

49.9

0.00403

MDL

MDL Unit

MDL Unit

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

D

D

Prepared

10/14/22 10:26

10/14/22 10:26

10/14/22 10:26

10/14/22 10:26

10/14/22 10:26

10/14/22 10:26

Prepared

10/14/22 10:26

10/14/22 10:26

Prepared

Prepared

Job ID: 890-3178-1 SDG: 226349

# Client Sample ID: S-3 (5')

Date Collected: 10/06/22 00:00 Date Received: 10/06/22 15:41

Sample Depth: 5

Analyte

Benzene

Toluene

o-Xylene

Surrogate

Analyte

Analyte

Total TPH

Total BTEX

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Client: NT Global

# Lab Sample ID: 890-3178-8

Analyzed

10/15/22 10:08

10/15/22 10:08

10/15/22 10:08

10/15/22 10:08

10/15/22 10:08

10/15/22 10:08

Analyzed

10/15/22 10:08

10/15/22 10:08

Analyzed

10/17/22 10:10

Analyzed

10/12/22 10:45

Matrix: Solid

20349	
178-8 Solid	
	5
Dil Fac	6
1 1 1	
1 1	8
Dil Fac	9
1 1	
Dil Fac	
1	
Dil Fac	13
1	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		10/10/22 07:33	10/11/22 19:59	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		10/10/22 07:33	10/11/22 19:59	1
C10-C28)									
Oll 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
o-reipinenyi									
Method: MCAWW 300.0 - Anions		ography - So	oluble						
	, Ion Chromato	o <mark>graphy - So</mark> Qualifier	oluble RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

## Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

		DED4	05074	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(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		- 2
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-Bromofluorobe	nzene (Surr)				
DEB7 = 1.4-Difluoroben	Zene (Surr)				

# DFBZ = 1,4-Difluorobenzene (Surr)

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

#### Matrix: Solid

		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(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

Job ID: 890-3178-1 SDG: 226349

# Prep Type: Total/NA 5 6

Prep Type: Total/NA

Lab Sample ID: MB 880-36687/5-A									Client Sa	ample ID: Meth	
Matrix: Solid										Prep Type:	
Analysis Batch: 36926										Prep Bate	:h: 36687
Analyte		B MB It Qualifier	RL		мпі	Unit	D	D	repared	Analyzed	Dil Fac
Benzene	<0.0020		0.00200			mg/Kg			1/22 14:39	10/14/22 21:49	1
Toluene	<0.0020		0.00200			mg/Kg			1/22 14:39	10/14/22 21:49	1
Ethylbenzene	<0.0020		0.00200			mg/Kg			1/22 14:39	10/14/22 21:49	1
m-Xylene & p-Xylene	<0.0020		0.00200			mg/Kg			1/22 14:39	10/14/22 21:49	
o-Xylene	<0.0040		0.00400			mg/Kg			1/22 14:39	10/14/22 21:49	1
Xylenes, Total	<0.0020		0.00200			mg/Kg			1/22 14:39	10/14/22 21:49	1
	-0.00+0	0 0	0.00400			ing/itg		10/1	1/22 14.00	10/14/22 21.40	1
	M										
Surrogate	%Recover	·	Limits						repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	8		70 - 130						1/22 14:39	10/14/22 21:49	1
1,4-Difluorobenzene (Surr)	9	6	70 - 130					10/1	1/22 14:39	10/14/22 21:49	1
Lab Sample ID: MB 880-36943/5-A									Client Sa	ample ID: Meth	od Blank
Matrix: Solid										Prep Type:	
Analysis Batch: 36926										Prep Bate	
Analysis Batch. 30920	м	з мв								гтер Бай	.11. 30943
Analyte		t Qualifier	RL		мпі	Unit	D	D.	repared	Analyzed	Dil Fac
Benzene	<0.0020		0.00200			mg/Kg			4/22 10:26	10/15/22 08:24	
Toluene Ethylbenzene	< 0.0020		0.00200 0.00200			mg/Kg			4/22 10:26	10/15/22 08:24	1
	< 0.0020					mg/Kg			4/22 10:26	10/15/22 08:24	
m-Xylene & p-Xylene	< 0.0040		0.00400			mg/Kg			4/22 10:26	10/15/22 08:24	1
o-Xylene	<0.0020		0.00200			mg/Kg			4/22 10:26	10/15/22 08:24	1
Xylenes, Total	<0.0040	5 0	0.00400			mg/Kg		10/14	4/22 10:26	10/15/22 08:24	1
	M	в МВ									
Surrogate	%Recover	y Qualifier	Limits					PI	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	8	7	70 _ 130					10/1-	4/22 10:26	10/15/22 08:24	1
1,4-Difluorobenzene (Surr)	9	4	70 - 130					10/1	4/22 10:26	10/15/22 08:24	1
Lab Sample ID: LCS 880-36943/1-A								Client	Sample	ID: Lab Contro	Sample
Matrix: Solid								onem	oumpic	Prep Type:	
Analysis Batch: 36926										Prep Bate	
Analysis Datch. 30320			Spike	LCS	LCS					%Rec	
Analyte			Added	Result				D	%Rec	Limits	
Benzene			0.100	0.09578	Quu	<u></u>	(a		96	70 - 130	
Toluene			0.100	0.1041		mg/l			104	70 - 130	
			0.100	0.1041					104	70 - 130	
Ethylbenzene m-Xylene & p-Xylene			0.100	0.1050		mg/ł mg/ł			105	70 - 130	
			0.200	0.2304		-	-			70 - 130	
o-Xylene			0.100	0.1155		mg/ł	y		115	70 - 130	
	LCS LC										
		alifier	Limits								
4-Bromofluorobenzene (Surr)	122		70 - 130								
1,4-Difluorobenzene (Surr)	91		70 - 130								
Lab Sample ID: LCSD 880-36943/2-4	<b>`</b>						Clien	t Sam	nle ID: L	ab Control Sar	nnle Dur
Matrix: Solid	`						Shell	t Gaili	pie iD. L	Prep Type:	
Analysis Batch: 36926			Spiko	LCSD	100	п				Prep Bate %Rec	RPD
Analyto			Spike Addod					<b>_</b>	% Pcc		
Analyte			Added	Result	Qua	lifier Unit		D	%Rec	Limits RI	$\frac{2}{2}$ Limit

Job ID: 890-3178-1

SDG: 226349

5

70 - 130

98

# Released to Imaging: 5/16/2024 4:25:11 PM

Benzene

0.09781

mg/Kg

0.100

10/17/2022

2

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35

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 880-3694	3/2-A					Clie	nt Sam	ple ID:	Lab Contro	I Sampl	e Dup
Matrix: Solid									Prep T	ype: To	tal/N/
Analysis Batch: 36926									Prep	Batch:	3694:
			Spike	LCSD	LCSD				%Rec		RPI
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Toluene			0.100	0.09059		mg/Kg		91	70 - 130	14	3
Ethylbenzene			0.100	0.08699		mg/Kg		87	70 - 130	19	3
m-Xylene & p-Xylene			0.200	0.1801		mg/Kg		90	70 - 130	25	3
p-Xylene			0.100	0.08975		mg/Kg		90	70 - 130	25	3
	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									Client S	ample II	D: H-/
Matrix: Solid										ype: To	
Analysis Batch: 36926										Batch:	
	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 MSI	)								Client S	ample II	D: H-
Matrix: Solid									Prep T	ype: To	tal/N/
Analysis Batch: 36926									Prep	Batch:	3694
	Sample	Sample	Spike	MSD	MSD				%Rec		RP
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Benzene	<0.00200	U F2 F1	0.0998	0.03440	F2 F1	mg/Kg	_	34	70 - 130	91	3
Toluene	<0.00200	U F2 F1	0.0998	0.03575	F2 F1	mg/Kg		36	70 - 130	70	3
Ethylbenzene	<0.00200	U F2 F1	0.0998	0.04228	F2 F1	mg/Kg		42	70 - 130	50	3
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.200	0.08475	F2 F1	mg/Kg		42	70 - 130	51	3
o-Xylene	<0.00200	U F2 F1	0.0998	0.04859	F2 F1	mg/Kg		49	70 - 130	42	3
	MSD										

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

%Recovery Qualifier

106

93

Lab Sample ID: MB 880-36497/1-A Matrix: Solid Analysis Batch: 36635	МВ	МВ					Client Sa	mple ID: Metho Prep Type: ⊺ Prep Batcł	otal/NA
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 10:35	1

Limits

70 - 130

70 - 130

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Surrogate

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

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

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

Lab Sample ID: MB 880-36497/ <sup>,</sup>	1-A										<b>Client Sa</b>	ample ID: N	<b>Nethod</b>	Blank
Matrix: Solid												Prep T	ype: To	otal/NA
Analysis Batch: 36635												Prep	Batch:	36497
		МВ	мв											
Analyte	Re	sult	Qualifier	RL		MDL	Unit		D	Р	repared	Analyze	əd	Dil Fac
Diesel Range Organics (Over	<5	50.0	U	50.0			mg/Kg	3	_	10/1	0/22 07:33	10/11/22 1	0:35	1
C10-C28)														
Oll Range Organics (Over C28-C36)	<5	50.0	U	50.0	1		mg/Kថ្	9		10/1	0/22 07:33	10/11/22 1	0:35	1
		МВ	МВ											
Surrogate	%Recov	very	Qualifier	Limits						Р	repared	Analyze	ed	Dil Fac
1-Chlorooctane		121		70 - 130						10/1	0/22 07:33	10/11/22 1	0:35	1
o-Terphenyl		112		70 - 130						10/1	0/22 07:33	10/11/22 1	0:35	1
Lab Sample ID: LCS 880-36497	/ <b>2-A</b>								С	lient	Sample	ID: Lab Co	ntrol S	ample
Matrix: Solid												Prep T		
Analysis Batch: 36635													Batch:	
				Spike	LCS	LCS						%Rec		
Analyte				Added	Result		ifier	Unit		D	%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		
	LCS	LCS												
Surrogate		Quali	fier	Limits										
1-Chlorooctane	99			70 - 130										
o-Terphenyl	99			70 - 130										
Lab Sample ID: LCSD 880-3649	1/J-A							CI	lont	8.am		ah Control	Sama	
				Spike	LCSD	LCSI	D	Cli	ient	Sam	nple ID: La		-	otal/NA 36497
Analysis Batch: 36635				Spike Added	LCSD Result				ient		-	Prep T Prep %Rec	ype: To Batch:	otal/NA 36497 RPD
Analysis Batch: 36635 Analyte				Added	Result			Unit	ient	Sam	%Rec	Prep Ty Prep	ype: To	otal/NA 36497 RPD Limit
Analysis Batch: 36635 Analyte Gasoline Range Organics				•					ient		-	Prep Ty Prep %Rec Limits	ype: To Batch: RPD	otal/NA 36497 RPD
Analysis Batch: 36635 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over				Added	Result			Unit	ient		%Rec	Prep Ty Prep %Rec Limits	ype: To Batch: RPD	otal/NA 36497 RPD Limit
Analysis Batch: 36635 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	LCSD	LCSD		Added	Result 853.0			<mark>Unit</mark> mg/Kg	ient		%Rec	Prep Ty Prep %Rec Limits 70 - 130	ype: To Batch: <u>RPD</u> 6	otal/NA 36497 RPD Limit
Analysis Batch: 36635 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)				Added	Result 853.0			<mark>Unit</mark> mg/Kg	ient		%Rec	Prep Ty Prep %Rec Limits 70 - 130	ype: To Batch: <u>RPD</u> 6	otal/NA 36497 RPD Limit
Analysis Batch: 36635 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	LCSD			Added	Result 853.0			<mark>Unit</mark> mg/Kg	ient		%Rec	Prep Ty Prep %Rec Limits 70 - 130	ype: To Batch: <u>RPD</u> 6	otal/NA 36497 RPD Limit
Analysis Batch: 36635 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	LCSD %Recovery			Added 1000 1000 <i>Limits</i>	Result 853.0			<mark>Unit</mark> mg/Kg	ient		%Rec	Prep Ty Prep %Rec Limits 70 - 130	ype: To Batch: <u>RPD</u> 6	otal/NA 36497 RPD Limit
Analysis Batch: 36635 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl	LCSD %Recovery 107 108			Added 1000 1000 <i>Limits</i> 70 - 130	Result 853.0			<mark>Unit</mark> mg/Kg	ient		<b>%Rec</b> 85	Prep Ty Prep %Rec Limits 70 - 130	ype: To Batch: RPD 6 8	otal/NA 36497 RPD Limit 20
Analysis Batch: 36635 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3177-A-1-C	LCSD %Recovery 107 108			Added 1000 1000 <i>Limits</i> 70 - 130	Result 853.0			<mark>Unit</mark> mg/Kg	ient		<b>%Rec</b> 85	Prep T           %Rec           Limits           70 - 130           70 - 130	ype: To Batch: RPD 6 8 8 Matrix	a Spike
Analysis Batch: 36635 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3177-A-1-C Matrix: Solid	LCSD %Recovery 107 108			Added 1000 1000 <i>Limits</i> 70 - 130	Result 853.0			<mark>Unit</mark> mg/Kg	ient		<b>%Rec</b> 85	Prep T           %Rec           Limits           70 - 130           70 - 130           Sample ID:           Prep T	ype: To Batch: RPD 6 8 8 Matrix	a Spike
Analysis Batch: 36635 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3177-A-1-C Matrix: Solid	LCSD %Recovery 107 108	Quali	fier	Added 1000 1000 <i>Limits</i> 70 - 130	Result 853.0 1103			<mark>Unit</mark> mg/Kg	ient		<b>%Rec</b> 85	Prep T           %Rec           Limits           70 - 130           70 - 130           Sample ID:           Prep T	ype: To Batch: RPD 6 8 8 Matrix ype: To	a Spike
Analysis Batch: 36635 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3177-A-1-C Matrix: Solid Analysis Batch: 36635	LCSD %Recovery 107 108 CMS	<u>Quali</u> Samp	fier	Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130	Result 853.0 1103	Qual	ifier	<mark>Unit</mark> mg/Kg	ient		<b>%Rec</b> 85	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Sample ID: Prep T Prep T	ype: To Batch: RPD 6 8 8 Matrix ype: To	a Spike
Analysis Batch: 36635 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane p-Terphenyl Lab Sample ID: 890-3177-A-1-C Matrix: Solid Analysis Batch: 36635 Analyte Gasoline Range Organics	LCSD %Recovery 107 108 C MS Sample	Qualit Samp Qualit	fier	Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130 Spike	Result 853.0 1103 MS	Qual	ifier	Unit mg/Kg mg/Kg	ient	<u>D</u>	%Rec           85           110	Prep Ty Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 70 -	ype: To Batch: RPD 6 8 8 Matrix ype: To	a Spike
Analysis Batch: 36635 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3177-A-1-C Matrix: Solid Analysis Batch: 36635 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	LCSD %Recovery 107 108 C MS Sample Result	Quali Samp Qualit U	fier	Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 Spike Added	Result 853.0 1103 MS Result	Qual	ifier	Unit mg/Kg mg/Kg	ient	<u>D</u>	%Rec           85           110           Client S           %Rec	Prep Ty Prep %Rec Limits 70 - 130 70 - 130	ype: To Batch: RPD 6 8 8 Matrix ype: To	a Spike
Analysis Batch: 36635 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3177-A-1-C Matrix: Solid Analysis Batch: 36635 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	LCSD %Recovery 107 108 CMS Sample Result <49.9	Qualit Samp Qualit U	fier	Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130 <b>Spike</b> Added 996	Result           853.0           1103           MS           Result           736.6	Qual	ifier	Unit mg/Kg mg/Kg <u>Unit</u> mg/Kg	ient	<u>D</u>	%Rec           85           110           Client \$           %Rec           74	Prep T           %Rec           Limits           70 - 130           70 - 130           70 - 130           %Rec	ype: To Batch: RPD 6 8 8 Matrix ype: To	a Spike
Analysis Batch: 36635 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3177-A-1-C Matrix: Solid Analysis Batch: 36635 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	LCSD %Recovery 107 108 CMS Sample Result <49.9 <49.9 MS	Qualit Samp Qualit U U	fier	Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130 <b>Spike</b> Added 996	Result           853.0           1103           MS           Result           736.6	Qual	ifier	Unit mg/Kg mg/Kg <u>Unit</u> mg/Kg	ient	<u>D</u>	%Rec           85           110           Client \$           %Rec           74	Prep T           %Rec           Limits           70 - 130           70 - 130           70 - 130           %Rec	ype: To Batch: RPD 6 8 8 Matrix ype: To	a Spike
Matrix: Solid         Analysis Batch: 36635         Analyte         Gasoline Range Organics         (GRO)-C6-C10         Diesel Range Organics (Over         C10-C28)         Surrogate         1-Chlorooctane         o-Terphenyl         Lab Sample ID: 890-3177-A-1-C         Matrix: Solid         Analysis Batch: 36635         Analyte         Gasoline Range Organics         (GRO)-C6-C10         Diesel Range Organics (Over         C10-C28)         Surrogate         1-Chlorooctane	LCSD %Recovery 107 108 CMS Sample Result <49.9 <49.9 MS	Qualit Samp Qualit U	fier	Added           1000           1000           1000           1000           1000           Limits           70 - 130           70 - 130           Spike           Added           996           996	Result           853.0           1103           MS           Result           736.6	Qual	ifier	Unit mg/Kg mg/Kg <u>Unit</u> mg/Kg	ient	<u>D</u>	%Rec           85           110           Client \$           %Rec           74	Prep T           %Rec           Limits           70 - 130           70 - 130           70 - 130           %Rec	ype: To Batch: RPD 6 8 8 Matrix ype: To	a Spike

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83

o-Terphenyl

70 - 130

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

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

Matrix: Solid	NSD								: Matrix Sp Prep 1	Type: To	tal/NA
Analysis Batch: 36635										Batch:	
	Sample	Sample	Spike	MSD	MSD				%Rec		RPI
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
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	2
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	93		70 - 130								
o-Terphenyl	83		70 - 130								
Lab Sample ID: MB 880-36521/1- Matrix: Solid Analysis Batch: 36824	A	МВ МВ						Client S	ample ID: Prep	Method Type: S	
Analyte	R	esult Qualifier		RL	MDL Unit		D P	repared	Analyz	ed	Dil Fa
Chloride		5.00 U		5.00	mg/Kg			iopaioa	10/13/22		2
Matrix: Solid	?-A						Client	Sample		Type: S	
Matrix: Solid Analysis Batch: 36824	:- <b>A</b>		Spike Added		LCS Qualifier	Unit	D	%Rec			
Matrix: Solid Analysis Batch: 36824 <sup>Analyte</sup>	- <b>A</b>		-			Unit mg/Kg		-	Prep %Rec		
Matrix: Solid Analysis Batch: 36824 Analyte Chloride			Added	Result		mg/Kg	<u>D</u>	<b>%Rec</b>	Prep %Rec Limits 90 - 110	Type: S	olub
Matrix: Solid Analysis Batch: 36824 Analyte Chloride Lab Sample ID: LCSD 880-36521			Added	Result		mg/Kg	<u>D</u>	<b>%Rec</b>	Prep %Rec Limits 90 - 110	Type: S	le Du
Matrix: Solid Analysis Batch: 36824 Analyte Chloride Lab Sample ID: LCSD 880-36521 Matrix: Solid			Added	Result		mg/Kg	<u>D</u>	<b>%Rec</b>	Prep %Rec Limits 90 - 110	Type: S	le Du
Matrix: Solid Analysis Batch: 36824 Analyte Chloride Lab Sample ID: LCSD 880-36521 Matrix: Solid			Added	<b>Result</b> 257.3		mg/Kg	<u>D</u>	<b>%Rec</b>	Prep %Rec Limits 90 - 110	Type: S	le Du
Matrix: Solid Analysis Batch: 36824 Analyte Chloride Lab Sample ID: LCSD 880-36521 Matrix: Solid Analysis Batch: 36824 Analyte			Added 250 Spike Added	Result 257.3 LCSD Result	Qualifier	mg/Kg Clie Unit	<u>D</u>	%Rec 103 aple ID: 1	Prep %Rec Limits 90 - 110 Lab Contro Prep	Type: S ol Samp Type: S RPD	le Du olub RF Lim
Matrix: Solid Analysis Batch: 36824 Analyte Chloride Lab Sample ID: LCSD 880-36521 Matrix: Solid Analysis Batch: 36824 Analyte			Added 250 Spike	Result 257.3 LCSD	Qualifier	mg/Kg Clie	D_	%Rec 103	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec	Type: S  I Samp Type: S	le Du olub RF Lim
Matrix: Solid Analysis Batch: 36824 Chloride Lab Sample ID: LCSD 880-36521 Matrix: Solid Analysis Batch: 36824 Chloride Lab Sample ID: 890-3178-3 MS Matrix: Solid			Added 250 Spike Added	Result 257.3 LCSD Result	Qualifier	mg/Kg Clie Unit	D_	%Rec 103 aple ID:   %Rec	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client S	Type: S I Samp Type: S RPD 3	le Du colub RP Lim 2 D: H-
Lab Sample ID: LCS 880-36521/2 Matrix: Solid Analysis Batch: 36824 Chloride Lab Sample ID: LCSD 880-36521 Matrix: Solid Analysis Batch: 36824 Chloride Lab Sample ID: 890-3178-3 MS Matrix: Solid Analysis Batch: 36824	/3-A		Added 250 Spike Added 250	Result 257.3 LCSD Result 250.8	Qualifier LCSD Qualifier	mg/Kg Clie Unit	D_	%Rec 103 aple ID:   %Rec	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client S Prep	Type: S I Samp Type: S RPD 3 Gample I	le Du iolubi RP Lim 2 D: H-
Matrix: Solid Analysis Batch: 36824 Chloride Lab Sample ID: LCSD 880-36521 Matrix: Solid Analysis Batch: 36824 Chloride Lab Sample ID: 890-3178-3 MS Matrix: Solid Analysis Batch: 36824	/3-A Sample	-	Added 250 Spike Added 250 Spike	Result 257.3 LCSD Result 250.8	Qualifier LCSD Qualifier MS	mg/Kg Clie Unit mg/Kg	D	%Rec           103           aple ID:           %Rec           100	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client S Prep %Rec	Type: S I Samp Type: S RPD 3 Gample I	le Du Jolubi RP Lim 2 D: H-
Matrix: Solid Analysis Batch: 36824 Chloride Lab Sample ID: LCSD 880-36521 Matrix: Solid Analysis Batch: 36824 Chloride Lab Sample ID: 890-3178-3 MS Matrix: Solid Analysis Batch: 36824 Analysis Batch: 36824	/3-A Sample Result	Qualifier	Added 250 Spike Added 250 Spike Added	Result 257.3 LCSD Result 250.8 MS Result	Qualifier LCSD Qualifier MS Qualifier	mg/Kg Clie Unit mg/Kg Unit	D_	%Rec           103           mple ID:           %Rec           100	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client S Prep %Rec Limits	Type: S I Samp Type: S RPD 3 Gample I	le Du iolubi RP Lim 2 D: H-
Matrix: Solid Analysis Batch: 36824 Chloride Lab Sample ID: LCSD 880-36521 Matrix: Solid Analysis Batch: 36824 Chloride Lab Sample ID: 890-3178-3 MS Matrix: Solid Analysis Batch: 36824 Analysis Batch: 36824	/3-A Sample	Qualifier	Added 250 Spike Added 250 Spike	Result 257.3 LCSD Result 250.8	Qualifier LCSD Qualifier MS Qualifier	mg/Kg Clie Unit mg/Kg	D	%Rec           103           aple ID:           %Rec           100	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client S Prep %Rec	Type: S I Samp Type: S RPD 3 Gample I	le Du colub RP Lim 2 D: H-
Matrix: Solid Analysis Batch: 36824 Chloride Lab Sample ID: LCSD 880-36521 Matrix: Solid Analysis Batch: 36824 Chloride Lab Sample ID: 890-3178-3 MS Matrix: Solid Analysis Batch: 36824 Chloride Lab Sample ID: 890-3178-3 MSD Matrix: Solid	/3-A Sample Result	Qualifier	Added 250 Spike Added 250 Spike Added	Result 257.3 LCSD Result 250.8 MS Result	Qualifier LCSD Qualifier MS Qualifier	mg/Kg Clie Unit mg/Kg Unit	D	%Rec           103           mple ID:           %Rec           100	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client S 90 - 110 Client S	Type: S I Samp Type: S RPD 3 Gample I Type: S	le Du colub RF Lin 2 D: H- colub
Matrix: Solid Analysis Batch: 36824 Chloride Lab Sample ID: LCSD 880-36521 Matrix: Solid Analysis Batch: 36824 Chloride Lab Sample ID: 890-3178-3 MS Matrix: Solid	/3-A Sample Result 1030	Qualifier F1	Added 250 Spike Added 250 Spike Added 1250	Result 257.3 LCSD Result 250.8 MS Result 2459	Qualifier LCSD Qualifier MS Qualifier F1	mg/Kg Clie Unit mg/Kg Unit	D	%Rec           103           mple ID:           %Rec           100	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client S 90 - 110 Client S 90 - 110 Client S Prep	Type: S I Samp Type: S RPD 3 ample I Type: S ample I	le Du colubi RP Lim 2 D: H- colubi
Matrix: Solid Analysis Batch: 36824 Chloride Lab Sample ID: LCSD 880-36521 Matrix: Solid Analysis Batch: 36824 Chloride Lab Sample ID: 890-3178-3 MS Matrix: Solid Analysis Batch: 36824 Chloride Lab Sample ID: 890-3178-3 MSD Matrix: Solid	/3-A Sample Result 1030 Sample	Qualifier F1	Added 250 Spike Added 250 Spike Added	Result 257.3 LCSD Result 250.8 MS Result 2459	Qualifier LCSD Qualifier MS Qualifier	mg/Kg Clie Unit mg/Kg Unit	D	%Rec           103           mple ID:           %Rec           100	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client S 90 - 110 Client S	Type: S I Samp Type: S RPD 3 ample I Type: S ample I	le Du solubl RPP Lim 2 D: H- solubl D: H-

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# **QC Association Summary**

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

4 5

Job ID: 890-3178-1 SDG: 226349

## **GC VOA**

## Prep Batch: 36687

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
MB 880-36687/5-A	Method Blank	Total/NA	Solid	5035	
Analysis Batch: 3692	6				
_					

Lab Sample ID	Client Sample ID	Ргер Туре	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	8
890-3178-8	S-3 (5')	Total/NA	Solid	8021B	36943	
MB 880-36687/5-A	Method Blank	Total/NA	Solid	8021B	36687	9
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	4.2
890-3178-1	H-5	Total/NA	Solid	5035		
890-3178-2	H-6	Total/NA	Solid	5035		
000 2170 2	11.7	Total/NIA	Calid	E02E		

#### 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	Ргер Туре	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

# GC Semi VOA

## Analysis Batch: 36635

Lab Sample ID	Client Sample ID	Ргер Туре	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

LCS 880-36497/2-A	Lab Control Sample	Iotal/NA	Solid	8015B NM	36497	
LCSD 880-36497/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	36497	8
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	9
Analysis Batch: 3674	43					10
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		40
HPLC/IC						13

# HPLC/IC

#### Leach Batch: 36521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
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

SDG: 226349

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Job ID: 890-3178-1 SDG: 226349

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

Lab Sample ID: 890-3178-2

Lab Sample ID: 890-3178-3

Lab Sample ID: 890-3178-4

Matrix: Solid

Matrix: Solid

Date Collected: 10/06/22 00:00 Date Received: 10/06/22 15:41

**Client Sample ID: H-5** 

Client: NT Global

Batch Prep Type Type	Batch		Dil	Initial	Final	Batch	Prepared			
	Method	Run Factor	Factor	Amount	Amount	Number	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	СН	EET MID
Soluble	Analysis	300.0		10			36824	10/13/22 12:21	СН	EET MID

# **Client Sample ID: H-6**

Date Collected: 10/06/22 00:00

Date Received: 10/06/22 15:41

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	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	СН	EET MID
Soluble	Analysis	300.0		10			36824	10/13/22 12:26	СН	EET MID

# **Client Sample ID: H-7**

# Date Collected: 10/06/22 00:00

Date Received: 10/06/22 15:41

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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	СН	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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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Matrix: Solid

Job ID: 890-3178-1 SDG: 226349

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

Lab Sample ID: 890-3178-8

Matrix: Solid

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

Client: NT Global

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID
Soluble	Analysis	300.0		5			36824	10/13/22 12:45	СН	EET MID

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID
Soluble	Analysis	300.0		5			36824	10/13/22 12:50	СН	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: FOREHAN	ID RANCH 22 6H			Job ID: 890-3178-1 SDG: 226349	
Laboratory: Eurofi Unless otherwise noted, all a		ere covered under each acc	reditation/certification below.		3
Authority	Pr	rogram	Identification Number	Expiration Date	4
Texas	N	ELAP	T104704400-22-24	06-30-23	5
The following analytes a the agency does not off		ut the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for which	6
Analysis Method	Prep Method	Matrix	Analyte		
8015 NM		Solid	Total TPH		
Total BTEX		Solid	Total BTEX		
					8
					9
					10
					13

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# **Method Summary**

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
	"Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third E = TestAmerica Laboratories, Standard Operating Procedure	dition, November 1986 And Its Updates.	
Laboratory R			
EET MID	= Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440	)	

#### Protocol References:

#### Laboratory References:

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

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

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		5
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	
						8
						9
						12
						1:
						1

	ENVIRONMENTAL										Work Order No:	No: Page1 of1
Project Manager:	Ethan Sessums				Bill to: (if different)	brent)	_				Work Orc	Work Order Comments
	NTG Environmental	ental			Company Name:	ame:	Caza	za			Program: UST/PST PRP Brownfields RRC	rownfields RRC uperfund
	402 E Wood Ave	le			Address:						State of Project:	
te ZIP:	Carlsbad, NM 88220	8220			City, State ZIP	ZIP:					Reporting:Level II Level III	
	254-266-5456			Email:							Deliverables: EDD	ADaPT D Other:
Project Name:	Forehan	Forehand Ranch 22 6	6H	Turr	Turn Around					ANALYSIS REQUEST	UEST	Preservative Codes
Project Number:		226349		く Routine	Rush	0.1	Pres. Code					None: NO DI Water: H <sub>2</sub> O
Project Location	Ed	Eddy County		Due Date:				)				Cool: Cool MeOH: Me
Sampler's Name:	Tyl	Tyler Kimball		TAT starts the day received by the	day received b	by the	ļ	MRO				
PO #				lab, if rece	lab, if received by 4:50pm		ers	0+				H <sub>2</sub> SU <sub>4</sub> : H <sub>2</sub> NaCH: Na
SAMPLE RECEIPT		Temp Blank:	Ves No	Wet Ice:	Ves No	6	nete	_	1500			
Received Intact:	Res	S No	Thermometer ID:	er ID:	MMOC	Ŭ	arai		ide 4			NaHSO4: NABIS
Cooler Custody Seals:	Yes	L	Correction Factor:	Factor:	10.0	ľ		-	hlo			_
Total Containers:	Tes	10 N/A	Corrected Temperature	Corrected Temperature:	30.00			8015			stody	NaOH+Ascorbic Acid: SAPC
Sample Identification	tification	Date	Time	Soil	Water	ab/	# of Cont	трн				Sample Comments
H-5		10/6/2022		×				× ×	×			
9-H		10/6/2022		×	0	Grab/		××	×			
H-7		10/6/2022		×	0	Grab/	1	×	×			
S-2 (6')	5")	10/6/2022		×	0	Grab/	1	×	×			
S-2 (7')	.)	10/6/2022		×	0	Grab/	 	×	×			
S-2 (9')	")	10/6/2022		×	0	Grab/		×	×			. ×
S-2 (10')	0')	10/6/2022		×	0	Grab/	1	×	×			×
<del>5-3 (5)</del>	;;)	10/6/2022		×		Grab/		X	×			
S-3 (6')	.)	10/6/2022		×	0	Grab/	-1 ->	×	×			×
S-3 (7')	)	10/6/2022		×		Grab/	1	××	×			×
Additional Comments:	Additional Comments:	5:	les constitute	s a valid nurcha	se order from c	lient compa	nv to Xenc	o. Its affill	ates and s	ubcontractors. It assigns standard terms and conditions	terms and conditions	
of Xenco. A minimum charge of \$55.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be	arge of \$85.00 will be	applied to each p	project and a c	harge of \$5 for e	each sample su	bmitted to X	(enco, but i	not analyz	ed. These		enforced unless previously negotiated.	
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Job Number: 890-3178-1 SDG Number: 226349

List Source: Eurofins Carlsbad

# Login Sample Receipt Checklist

Client: NT Global

Login Number: 3178 List Number: 1 Creator: Clifton, Cloe

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

Login Number: 3178 List Number: 2 Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
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	N/A	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

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Job Number: 890-3178-1 SDG Number: 226349

List Source: Eurofins Midland List Creation: 10/10/22 08:41 AM

Received by OCD: 5/16/2024 1:08:16 PM



**Environment Testing** 

# **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





Received by OCD: 5/16/2024 1:08:16 PM

1

# **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

RAMER

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

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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

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	Definitions/Glossary		
	-		
Client: NT Glol Project/Site: Fo	bal brehand 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+ U	Surrogate recovery exceeds control limits, high biased.		
	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.		
¤	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 Dil Fac	Duplicate Error Ratio (normalized absolute difference)		
Dil Fac DL	Dilution Factor		
DL, RA, RE, IN	Detection Limit (DoD/DOE) 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)		
	()		

MDLMethod Detection LimitMLMinimum Level (Dioxin)MPNMost Probable Number

Method Quantitation Limit

Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level"

Minimum Detectable Activity (Radiochemistry) Minimum Detectable Concentration (Radiochemistry)

LOQ

MCL

MDA

MDC MDL

MQL

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

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

# Job ID: 890-3569-1

Client: NT Global

## Laboratory: Eurofins Carlsbad

Project/Site: Forehand Ranch

#### 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.
Matrix: Solid

5

Lab Sample ID: 890-3569-1

### Client Sample ID: SW-1 Date Collected: 11/28/22 00:00

Project/Site: Forehand Ranch

Client: NT Global

Date Received: 11/28/22 16:35

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)			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 - T	otal BTEX Cal	culation							
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 - Diese	I Range Organ	ics (DRO) (G	C)						
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 - Dies Analyte		Qualifier	GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/01/22 23:31	1
(GRO)-C6-C10									
Diesel Range Organics (Over C10-C28)	54.2	F1	50.0		mg/Kg		12/01/22 10:39	12/01/22 23:31	1
Oll 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			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 Chromato	ography - Sol	uble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		5.04		mg/Kg			12/02/22 01:40	1
							Lab San	nple ID: 890-	3569-2
lient Sample ID: SW-2									
								Matri	x: Solid
ate Collected: 11/28/22 00:00								Matri	x: Solid
ate Collected: 11/28/22 00:00 ate Received: 11/28/22 16:35	Organic Comp	ounds (GC)						Matri	x: Solid
ate Collected: 11/28/22 00:00 ate Received: 11/28/22 16:35 Method: SW846 8021B - Volatile		ounds (GC) Qualifier	RL	MDL	Unit	D	Prepared	Matri	Dil Fac
ate Collected: 11/28/22 00:00 ate Received: 11/28/22 16:35 Method: SW846 8021B - Volatile Analyte			RL 0.00201	MDL	Unit mg/Kg	<u>D</u>	Prepared 12/01/22 11:26		
Client Sample ID: SW-2 Pate Collected: 11/28/22 00:00 Pate Received: 11/28/22 16:35 Method: SW846 8021B - Volatile Analyte Benzene Ethylbenzene	Result	Qualifier		MDL		<u>D</u>		Analyzed	Dil Fac

m-Xylene & p-Xylene	<0.00402 U	0.0040	02 mg/Kg	12/01/22 11:26	12/03/22 16:14	1
o-Xylene	<0.00201 U	0.0020	)1 mg/Kg	12/01/22 11:26	12/03/22 16:14	1
Surrogate	%Recovery Qu	ualifier Limits		Prepared	Analyzed	Dil Fac
Surrogate 4-Bromofluorobenzene (Surr)	%Recovery Ωι 117	ualifier Limits 70 - 130	_	<b>Prepared</b> 12/01/22 11:26	Analyzed 12/03/22 16:14	Dil Fac

0.00201

0.00402

mg/Kg

mg/Kg

12/01/22 11:26

12/01/22 11:26

<0.00201 U

<0.00402 U

Eurofins Carlsbad

12/03/22 16:14

12/03/22 16:14

Toluene

Xylenes, Total

1

Job ID: 890-3569-1 SDG: 226349

Matrix: Solid

5

Lab Sample ID: 890-3569-2

#### Client Sample ID: SW-2 Date Collected: 11/28/22 00:00

Project/Site: Forehand Ranch

Client: NT Global

Date Received: 11/28/22 16:35

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 - Diese	I Range Organ	ics (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 - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 00:36	1
(GRO)-C6-C10									
Diesel Range Organics (Over	50.7		49.9		mg/Kg		12/01/22 10:39	12/02/22 00:36	1
C10-C28)									
Oll 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 Chromato	graphy - So	oluble						
Analyte		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**

Date Collected: 11/28/22 00:00 Date Received: 11/28/22 16:35

#### Lab Sample ID: 890-3569-3 Matrix: Solid

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

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 - Dies	sel Range Organ	ics (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 - Di	esel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 00:57	1
(GRO)-C6-C10									
(GRO)-C6-C10 Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 00:57	1

Matrix: Solid

Matrix: Solid

5

12 13

### **Client Sample Results**

Job ID: 890-3569-1
SDG: 226349

Lab Sample ID: 890-3569-3

### Client Sample ID: SW-3

Project/Site: Forehand Ranch

Client: NT Global

Date Collected: 11/28/22 00:00 Date Received: 11/28/22 16:35

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 00:57	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	122		70 - 130				12/01/22 10:39	12/02/22 00:57	
o-Terphenyl	150	S1+	70 - 130				12/01/22 10:39	12/02/22 00:57	
Method: MCAWW 300.0 - Anions	, Ion Chromato	graphy - So	oluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	97.7		5.03		mg/Kg			12/02/22 02:06	

Date Collected: 11/28/22 00:00

Date Received: 11/28/22 16:35

Method: SW846 8021B - Volati	le Organic Comp	ounds (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	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 01:19	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 01:19	1
C10-C28)									
Oll 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 Chromato	ography - S	oluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.7		4.99		mg/Kg			12/02/22 02:13	1

Matrix: Solid

5

Lab Sample ID: 890-3569-5

### Project/Site: Forehand Ranch **Client Sample ID: SW-5** Date Collected: 11/28/22 00:00

Client: NT Global

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)			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 - T	otal BTEX Cal	culation							
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 - Diese	l Range Organ	ics (DRO) (G	iC)						
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 - Dies	sel Range Orga	nics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 01:40	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 01:40	1
C10-C28)	-50.0		50.0		117		10/01/00 10 00	10/00/00 01 10	
Oll 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 Chromato	ography - So	luble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		4.99		mg/Kg			12/02/22 02:20	1
lient Sample ID: SW-6							Lab Sar	nple ID: 890-	3569-6
ate Collected: 11/28/22 00:00								Matri	x: Solid
ate Received: 11/28/22 16:35									
Method: SW846 8021B - Volatile	Organic Comp	ounds (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

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	l imite		Pronarod	Analyzod	Dil Fac
Surrogate		Qualifier	Limits		Prepared	Analyzed	Dil Fac
Surrogate 4-Bromofluorobenzene (Surr)	% <b>Recovery</b> 99	Qualifier	<u>Limits</u> 70 - 130		Prepared 12/01/22 11:26	Analyzed 12/03/22 18:00	Dil Fac 1

0.00201

mg/Kg

<0.00201 U

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12/01/22 11:26 12/03/22 18:00

Released to Imaging: 5/16/2024 4:25:11 PM

Toluene

1

Job ID: 890-3569-1 SDG: 226349

Matrix: Solid

5

Lab Sample ID: 890-3569-6

### Client Sample ID: SW-6

Project/Site: Forehand Ranch

Client: NT Global

Date Collected: 11/28/22 00:00 Date Received: 11/28/22 16:35

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/05/22 14:17	
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0		mg/Kg			12/02/22 14:08	
Method: SW846 8015B NM - Diese	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 02:01	
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 02:01	
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 02:01	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	150	S1+	70 - 130				12/01/22 10:39	12/02/22 02:01	
o-Terphenyl	176	S1+	70 - 130				12/01/22 10:39	12/02/22 02:01	
Method: MCAWW 300.0 - Anions,	Ion Chromato	ography - So	oluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	71.5		4.98		mg/Kg			12/02/22 02:40	
lient Sample ID: SW-7							Lab San	nple ID: 890-	3569-7
	/1.5		4.90		mg/Kg		Lab San		

### 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 Calo	culation							
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 - Diese	el Range Organ	ics (DRO) (C	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 - Die	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 02:22	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 02:22	1

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C10-C28)

Job ID: 890-3569-1
SDG: 226349

Lab Sample ID: 890-3569-7

### Client Sample ID: SW-7

Project/Site: Forehand Ranch

Client: NT Global

Date Collected: 11/28/22 00:00 Date Received: 11/28/22 16:35

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 02:22	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane		S1+	70 - 130				12/01/22 10:39	12/02/22 02:22	
o-Terphenyl	163	S1+	70 - 130 70 - 130				12/01/22 10:39	12/02/22 02:22	
							12/01/22 10.39	12/02/22 02.22	
Method: MCAWW 300.0 - Anions Analyte		graphy - So Qualifier	oluble RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Chloride	291		4.97		mg/Kg			12/02/22 02:46	
lient Sample ID: S-1 (2')							Lab San	nple ID: 890-	3569
ate Collected: 11/28/22 00:00									x: Sol
ate Received: 11/28/22 16:35									
ample Depth: 2									
Method: SW846 8021B - Volatile	• •	ounds (GC) Qualifier	) RL	MDL	Unit	D	Branarad	Analyzad	Dil F
Analyte			0.00200	MDL		<u>D</u>	Prepared	Analyzed	
Benzene					mg/Kg		12/01/22 11:26 12/01/22 11:26	12/03/22 18:54	
Ethylbenzene Toluene	<0.00200		0.00200 0.00200		mg/Kg		12/01/22 11:26	12/03/22 18:54 12/03/22 18:54	
	< 0.00200				mg/Kg				
Xylenes, Total	< 0.00401		0.00401		mg/Kg		12/01/22 11:26	12/03/22 18:54	
m-Xylene & p-Xylene	< 0.00401		0.00401		mg/Kg		12/01/22 11:26	12/03/22 18:54	
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/03/22 18:54	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
4-Bromofluorobenzene (Surr)	107		70 - 130				12/01/22 11:26	12/03/22 18:54	
1,4-Difluorobenzene (Surr)	96		70 - 130				12/01/22 11:26	12/03/22 18:54	
Method: TAL SOP Total BTEX - T									
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil F
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/05/22 14:17	
Method: SW846 8015 NM - Diese						_	<b>.</b> .		
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Total TPH	<50.0	U	50.0		mg/Kg			12/02/22 14:08	
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 02:44	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 02:44	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 02:44	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
1-Chlorooctane	151	S1+	70 - 130				12/01/22 10:39	12/02/22 02:44	-
o-Terphenyl	175	S1+	70 - 130				12/01/22 10:39	12/02/22 02:44	
Method: MCAWW 300.0 - Anions	, Ion Chromato	ography - So	oluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Chloride	40.2		5.01		mg/Kg	_		12/02/22 02:53	

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Matrix: Solid 5

RL

0.00199

MDL Unit

mg/Kg

D

Prepared

12/01/22 11:26

Job ID: 890-3569-1 SDG: 226349

### Client Sample ID: S-2 (2')

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

Result Qualifier

<0.00199 U

Date Collected: 11/28/22 00:00 Date Received: 11/28/22 16:35

Project/Site: Forehand Ranch

Sample Depth: 2

Analyte

Benzene

Client: NT Global

Lab Sample ID: 890-3569-9 Matrix: Solid

Analyzed

12/03/22 19:21

5 Dil Fac

1

Benzene	-0.00100	0	0.00100				12/01/22 11.20	12/00/22 10.21	
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 - T	otal BTEX Cal	culation							
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 - Diese	I Range Organ	ics (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 - Dies	el Range Orga	nics (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
Oll 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 Chromato	ography - S	oluble						
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 Sam	ple ID: 890-3	569-10
Date Collected: 11/28/22 00:00								Matri	x: Solid
ate Received: 11/28/22 16:35									
Sample Depth: 4									
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC	)						
Analyte		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	<0.00100		0.00100		ma/Ka		12/01/22 11:26	12/03/22 10.48	1

4-Bromofluorobenzene (Surr)	111		70 - 130		12/01/22 11:26	12/03/22 19:48	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
o-Xylene	<0.00199	U	0.00199	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
Xylenes, Total	<0.00398	U	0.00398	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
Ethylbenzene	<0.00199	U	0.00199	mg/Kg	12/01/22 11:26	12/03/22 19:48	1

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Job ID: 890-3569-1 SDG: 226349

Matrix: Solid

5

Lab Sample ID: 890-3569-10

#### Client Sample ID: S-3 (4') Date Collected: 11/28/22 00:00

Project/Site: Forehand Ranch

Date Received: 11/28/22 16:35

Client: NT Global

### 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	
Method: TAL SOP Total BTEX - T	otal BTEX Calo	culation							
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 - Diese	l Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
									-
	<49.9		49.9		mg/Kg			12/02/22 14:08	
Method: SW846 8015B NM - Dies	sel Range Orga			MDL	mg/Kg <b>Unit</b>	D	Prepared	12/02/22 14:08 Analyzed	Dil Fa
Method: SW846 8015B NM - Dies Analyte	sel Range Orga	nics (DRO) Qualifier	(GC)	MDL		<u>D</u>	Prepared 12/01/22 10:39		Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	sel Range Orga Result	nics (DRO) Qualifier	(GC)	MDL	Unit	D		Analyzed	Dil Fa
Analyte Gasoline Range Organics	sel Range Orga Result	<b>nics (DRO)</b> Qualifier	(GC)	MDL	Unit	<u>D</u>		Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result <49.9 <49.9	unics (DRO) Qualifier U	(GC) <u>RL</u> 49.9 49.9	MDL	Unit mg/Kg	<u>D</u>	12/01/22 10:39 12/01/22 10:39	Analyzed 12/02/22 03:26 12/02/22 03:26	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Orga Result <49.9	unics (DRO) Qualifier U	(GC) 	MDL	Unit mg/Kg	<u> </u>	12/01/22 10:39	Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	sel Range Orga Result <49.9 <49.9	<b>Qualifier</b> U U U	(GC) <u>RL</u> 49.9 49.9	MDL	Unit mg/Kg mg/Kg	<u>D</u>	12/01/22 10:39 12/01/22 10:39	Analyzed 12/02/22 03:26 12/02/22 03:26	,
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result <49.9 <49.9 <49.9	<b>Qualifier</b> U U U	(GC) <u>RL</u> 49.9 49.9 49.9	MDL	Unit mg/Kg mg/Kg	<u> </u>	12/01/22 10:39 12/01/22 10:39 12/01/22 10:39	Analyzed 12/02/22 03:26 12/02/22 03:26 12/02/22 03:26	Dil Fac

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

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

#### Client Sample ID: S-4 (4)

Date Collected: 11/28/22 00:00 Date Received: 11/28/22 16:35 Sample Depth: 4

### Lab Sample ID: 890-3569-11

Matrix: Solid

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 Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00399	11	0.00399		mg/Kg			12/05/22 14:17	-

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

Matrix: Solid

5

Lab Sample ID: 890-3569-11

Lab Sample ID: 890-3569-12

Matrix: Solid

### Client Sample ID: S-4 (4)

Project/Site: Forehand Ranch

Date Collected: 11/28/22 00:00 Date Received: 11/28/22 16:35

Sample Depth: 4

Client: NT Global

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
Oll 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	1		12/02/22 03:13	1

#### Client Sample ID: S-5 (4')

Date Collected: 11/28/22 00:00 Date Received: 11/28/22 16:35

Sample Depth: 4

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 - Analyte		culation Qualifier	RL	MDL	Unit	D	Prepared	Analvzed	Dil Fa
Analyte Total BTEX Method: SW846 8015 NM - Dies	el Range Organ	Qualifier U ics (DRO) (	0.00404		mg/Kg		Prepared	Analyzed 12/05/22 14:17	Dil Fac
Analyte Total BTEX	el Range Organ	Qualifier U ics (DRO) ( Qualifier	0.00404	MDL MDL	mg/Kg	<u>D</u>	Prepared Prepared		Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte	el Range Organ Result <0.00404 el Range Organ Sesel Range Orga	Qualifier U ics (DRO) ( Qualifier U	0.00404 GC) RL 50.0		mg/Kg Unit mg/Kg		<u> </u>	12/05/22 14:17 Analyzed	
Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	el Range Organ Result <0.00404 el Range Organ Sesel Range Orga	Qualifier U ics (DRO) ( Qualifier U nics (DRO) Qualifier	GC) <u>RL</u> 50.0 (GC)	MDL	mg/Kg Unit mg/Kg	D	Prepared	12/05/22 14:17 Analyzed 12/02/22 14:08	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Die	el Range Organ Result <50.0 esel Range Orga Result Result	Qualifier U ics (DRO) ( Qualifier U nics (DRO) Qualifier U	0.00404 GC) RL 50.0 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	D	Prepared	12/05/22 14:17 Analyzed 12/02/22 14:08 Analyzed	Dil Fac

		Clien	it Sample R	esults	;				
Client: NT Global			•					Job ID: 890	-3569-
Project/Site: Forehand Ranch								SDG:	22634
Client Sample ID: S-5 (4')							Lab Sam	ple ID: 890-3	569-1
ate Collected: 11/28/22 00:00									ix: Soli
ate Received: 11/28/22 16:35									
ample Depth: 4									
-									
Method: MCAWW 300.0 - Anions						_			
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Chloride	28.2		5.00		mg/Kg			12/02/22 03:33	
lient Sample ID: S-6 (4')							Lab Sam	ple ID: 890-3	569-1
ate Collected: 11/28/22 00:00								Matri	ix: Soli
ate Received: 11/28/22 16:35									
ample Depth: 4									
Method: SW846 8021B - Volatile	Organia Comp	oundo (CC	<b>、</b>						
Analyte	• •	Qualifier	) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/03/22 22:32	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/03/22 22:32	
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/03/22 22:32	
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/01/22 11:26	12/03/22 22:32	
m-Xylene & p-Xylene	<0.00399		0.00399		mg/Kg		12/01/22 11:26	12/03/22 22:32	
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/03/22 22:32	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)			70 _ 130				12/01/22 11:26	12/03/22 22:32	
1,4-Difluorobenzene (Surr)	93		70 _ 130				12/01/22 11:26	12/03/22 22:32	
Method: TAL SOP Total BTEX - T	otal BTEX Cal	sulation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399		0.00399		mg/Kg			12/05/22 14:17	
-									
Method: SW846 8015 NM - Diese				MDL	11	D	Prepared	Amelymed	
Analyte Total TPH	<del>Kesult</del> <49.9	Qualifier		MDL			Frepareu	Analyzed 12/02/22 14:08	Dil Fa
	~49.9	0	49.9		mg/Kg			12/02/22 14.00	
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 04:52	
(GRO)-C6-C10							10/04/02 10 05		
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 04:52	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 04:52	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
1-Chlorooctane		quanner	70 - 130				12/01/22 10:39	12/02/22 04:52	
o-Terphenyl		S1+	70 - 130 70 - 130				12/01/22 10:39	12/02/22 04:52	
Method: MCAWW 300.0 - Anions					11-22	_	<b>D</b>	A	<b>B</b>
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F

 Chloride
 17.0
 4.99
 mg/Kg
 12/02/22 03:39

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RL

0.00199

0.00199

0.00199

0.00398

0.00398

0.00199

Limits

70 - 130

70 - 130

MDL Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

MDL Unit D

D

Prepared

12/01/22 11:26

12/01/22 11:26

12/01/22 11:26

12/01/22 11:26

12/01/22 11:26

12/01/22 11:26

Prepared

12/01/22 11:26

12/01/22 11:26

Prepared

Job ID: 890-3569-1 SDG: 226349

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Dil Fac

1

1

1

1

Dil Fac

## Client Sample ID: S-7 (4')

Date Collected: 11/28/22 00:00 Date Received: 11/28/22 16:35

Project/Site: Forehand Ranch

Sample Depth: 4

Analyte

Benzene

Toluene

o-Xylene

Surrogate

Analyte

Total BTEX

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Client: NT Global

Lab Sample ID: 890-3569-14 Matrix: Solid

Analyzed

12/03/22 22:57

12/03/22 22:57

12/03/22 22:57

12/03/22 22:57

12/03/22 22:57

12/03/22 22:57

Analyzed

12/03/22 22:57

12/03/22 22:57

Analyzed

12/05/22 14:17

Lab Sample ID: 890-3569-15

Matrix: Solid

5

	8
	9

# 1 Dil Fac 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		

RL

0.00398

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

Result Qualifier

Qualifier

<0.00199 U

<0.00199 U

<0.00199 U

<0.00398 U

<0.00398 U

<0.00199 U

115

91

<0.00398 U

Result Qualifier

%Recovery

Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 05:14	1
<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 05:14	1
<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 05:14	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
137	S1+	70 - 130				12/01/22 10:39	12/02/22 05:14	1
160	S1+	70 - 130				12/01/22 10:39	12/02/22 05:14	1
	<50.0 <50.0 <50.0 <b>%Recovery</b> 137	Result         Qualifier           <50.0	<50.0         U         50.0           <50.0	<50.0	<50.0         U         50.0         mg/Kg           <50.0	<50.0         U         50.0         mg/Kg           <50.0	<50.0         U         50.0         mg/Kg         12/01/22 10:39           <50.0	<50.0         U         50.0         mg/Kg         12/01/22 10:39         12/02/22 05:14           <50.0

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') Date Collected: 11/28/22 00:00 Date Received: 11/28/22 16:35 Sample Depth: 4

Method: SW846 8021B - Volat	ile Organic Comp	ounds (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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### Released to Imaging: 5/16/2024 4:25:11 PM

Job ID: 890-3569-1 SDG: 226349

Matrix: Solid

5

Lab Sample ID: 890-3569-15

#### Client Sample ID: S-8 (4') Date Collected: 11/28/22 00:00

Project/Site: Forehand Ranch

Date Received: 11/28/22 16:35

Sample Depth: 4

Client: NT Global

#### 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 BTE	( - Total BTEX Cal	culation							
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 - Di	esel Range Organ	ics (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 - I	Diesel Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 05:35	1	
(GRO)-C6-C10										
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 05:35	1	
C10-C28)										
Oll 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')

Date Collected: 11/28/22 00:00 Date Received: 11/28/22 16:35 Sample Depth: 4

### Lab Sample ID: 890-3569-16

Matrix: Solid

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 Cald	culation							
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 - Di	esel Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

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12/02/22 14:08

### Released to Imaging: 5/16/2024 4:25:11 PM

Total TPH

49.9

mg/Kg

168

Matrix: Solid

Dil Fac

1

1

Matrix: Solid

Lab Sample ID: 890-3569-16

Lab Sample ID: 890-3569-17

### Client Sample ID: S-9 (4')

Project/Site: Forehand Ranch

Date Collected: 11/28/22 00:00 Date Received: 11/28/22 16:35

Sample Depth: 4

Client: NT Global

Sample Depth. 4								
Method: SW846 8015B NM - Diese	el Range Orga	nics (DRO) (0	GC)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		12/01/22 10:39	12/02/22 05:56
(GRO)-C6-C10								
Diesel Range Organics (Over	168		49.9		mg/Kg		12/01/22 10:39	12/02/22 05:56

C10-C28) Oll 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')

Date Collected: 11/28/22 00:00 Date Received: 11/28/22 16:35

Sample Depth: 4

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 Cald	culation							
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 - Die	esel Range Organ	ics (DRO) (	GC)						
Analyte	Posult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result								DIFac
Total TPH	<50.0		50.0		mg/Kg			12/02/22 14:08	1
Total TPH	<50.0	U			mg/Kg			12/02/22 14:08	1
Total TPH Method: SW846 8015B NM - D	<50.0 iesel Range Orga	U		MDL	mg/Kg Unit	— — D	Prepared	12/02/22 14:08	Dil Fac
	<50.0 iesel Range Orga	U nics (DRO) Qualifier	(GC)	MDL		D	Prepared 12/01/22 10:39		1

**Diesel Range Organics (Over** <50.0 U 50.0 mg/Kg 12/01/22 10:39 12/02/22 06:18 C10-C28) 12/01/22 10:39 50.0 12/02/22 06:18 Oll Range Organics (Over C28-C36) <50.0 U mg/Kg 1 Dil Fac %Recovery Qualifier Limits Prepared Analyzed Surrogate 12/01/22 10:39 1-Chlorooctane 70 - 130 12/02/22 06:18 108 1 o-Terphenyl 132 S1+ 70 - 130 12/01/22 10:39 12/02/22 06:18 1

		Clier	nt Sample R	esults	;				
Client: NT Global			•					Job ID: 890	-3569-1
Project/Site: Forehand Ranch								SDG:	226349
Client Sample ID: S-10 (4')							Lab Sam	ple ID: 890-3	569-17
Date Collected: 11/28/22 00:00								•	ix: Solid
Date Received: 11/28/22 16:35									
Sample Depth: 4									
_									
Method: MCAWW 300.0 - Anions,	Ion Chromato	ography - S	oluble						
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 Sam	ple ID: 890-3	569-18
Date Collected: 11/28/22 00:00								-	x: Solid
Date Received: 11/28/22 16:35								inatio	
Sample Depth: 4									
Method: SW846 8021B - Volatile 0			)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201		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 - To	otal BTEX Cal	culation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402		0.00402		mg/Kg			12/05/22 14:17	1
— —					5 5				
Method: SW846 8015 NM - Diesel	Range Organ	ics (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 - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0		50.0		mg/Kg		12/01/22 10:39	12/02/22 06:39	1
(GRO)-C6-C10 Diesel Range Organics (Over	<50.0	ш	50.0		mg/Kg		12/01/22 10:39	12/02/22 06:39	1
C10-C28)	-00.0	5	50.0		myrry		12101122 10.03	12102122 00.03	'
Oll 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
	Ion Chromote	aranhy 6	olublo						
Method: MCAWW 300.0 - Anions, Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.6		5.05		ma/Ka			12/02/22 04:26	

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12/02/22 04:26

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Chloride

5.05

mg/Kg

15.6

### Client Sample ID: S-12 (4')

Date Collected: 11/28/22 00:00 Date Received: 11/28/22 16:35

Project/Site: Forehand Ranch

Chloride

4-Bromofluorobenzene (Surr)

Client: NT Global

12/04/22 01:03

12/02/22 04:33

12/01/22 11:26

Matrix: Solid

Dil Fac

1

1

1

1

1

1

1

Dil Fac

5

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			
Benzene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/04/22 01:03			
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/04/22 01:03			
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/04/22 01:03			
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/01/22 11:26	12/04/22 01:03			
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/01/22 11:26	12/04/22 01:03			
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/22 11:26	12/04/22 01:03			
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed			

1,4-Difluorobenzene (Surr)	96		70 - 130				12/01/22 11:26	12/04/22 01:03	1
Method: TAL SOP Total BTEX - To	tal BTEX Cal	culation							
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 Organ	ics (DRO) (	GC)						

70 - 130

	ange organic		<b>)</b>					
Analyte	Result C	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 U	J	50.0	mg/Kg			12/02/22 14:08	1

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

125

43.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 07:01	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/02/22 07:01	1
C10-C28)									
Oll 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
Ξ									
Method: MCAWW 300.0 - Anions	, Ion Chromato	ography - So	oluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

4.98

mg/Kg

Client: NT Global Project/Site: Forehand Ranch

#### Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

			Percei	nt Surrogate Red	nt Surrogate Recovery (Acceptance L	nt Surrogate Recovery (Acceptance Limits)
	BFB1	DFBZ1				
Client Sample ID	(70-130)	(70-130)	_			
	116					
SW-1	109	105				
SW-1	114	91				
SW-2	117	97				
SW-3	116	87				
SW-4	115	91				
SW-5	112	95				
SW-6	99	90				
SW-7	120	99				
S-1 (2')	107	96				
S-2 (2')	115	87				
S-3 (4')	111	97				
S-4 (4)	92	97				
S-5 (4')	105	90				
S-6 (4')	115	93				
S-7 (4')	115	91				
S-8 (4')	115	97				
S-9 (4')	109	92				
S-10 (4')	119	90				
	134 S1+	100				
	125	96				
Lab Control Sample	104	98				
•	100	93				
Method Blank						
Method Blank	73	93				
	SW-1         SW-1         SW-1         SW-1         SW-2         SW-3         SW-4         SW-5         SW-6         SW-7         S-1 (2')         S-2 (2')         S-3 (4')         S-5 (4')         S-6 (4')         S-7 (4')         S-8 (4')         S-9 (4')         S-10 (4')         S-12 (4')         Lab Control Sample         Lab Control Sample Dup         Method Blank	Client Sample ID         (70-130)           SW-1         116           SW-1         109           SW-1         114           SW-2         117           SW-3         116           SW-4         115           SW-5         112           SW-6         99           SW-7         120           S-1 (2')         107           S-2 (2')         115           S-3 (4')         111           S-4 (4)         92           S-5 (4')         105           S-6 (4')         115           S-7 (4')         115           S-9 (4')         109           S-10 (4')         119           S-11 (4')         134 S1+           S-12 (4')         125           Lab Control Sample         104           Lab Control Sample Dup         100           Method Blank         70	Client Sample ID(70-130)(70-130)SW-111698SW-1109105SW-1109105SW-111491SW-211797SW-311687SW-411591SW-511295SW-69990SW-712099S-1 (2')10796S-2 (2')11587S-3 (4')11197S-4 (4)9297S-5 (4')10590S-6 (4')11591S-8 (4')11591S-8 (4')11597S-9 (4')10992S-10 (4')11990S-11 (4')134 S1+100S-12 (4')12596Lab Control Sample10498Lab Control Sample Dup10093Method Blank7090	BFB1         DFB21           Client Sample ID         (70-130)         (70-130)           SW-1         116         98           SW-1         109         105           SW-1         114         91           SW-2         117         97           SW-3         116         87           SW-4         115         91           SW-5         112         95           SW-6         99         90           SW-7         120         99           S-1 (2')         107         96           S-2 (2')         115         87           S-3 (4')         111         97           S-4 (4)         92         97           S-5 (4')         105         90           S-7 (4')         115         91           S-8 (4')         115         97           S-9 (4')         109         92           S-10 (4')         119         90           S-11 (4')         134 S1+         100           S-12 (4')         125         96           Lab Control Sample         104         98           Lab Control Sample Dup         100         93	BFB1         DFBZ1           Cilent Sample ID         (70-130)         (70-130)           SW-1         116         98           SW-1         109         105           SW-1         114         91           SW-2         117         97           SW-3         116         87           SW-4         115         91           SW-5         112         95           SW-6         99         90           SW-7         120         99           S-1 (2')         107         96           S-2 (2')         115         87           S-3 (4')         111         97           S-4 (4)         92         97           S-5 (4')         105         90           S-6 (4')         115         93           S-7 (4')         115         97           S-8 (4')         115         97           S-9 (4')         109         92           S-10 (4')         119         90           S-11 (4')         134 S1+         100           S-12 (4')         125         96           Lab Control Sample         104         98	BFB1         DFBZ1           Client Sample ID         (70-130)         (70-130)           SW-1         116         98           SW-1         109         105           SW-1         114         91           SW-2         117         97           SW-3         116         87           SW-4         115         91           SW-5         112         95           SW-6         99         90           SW-7         120         99           SU-7         120         99           SU-7         120         99           SU-7         107         96           S-2 (2)         115         87           S-3 (4')         111         97           S-4 (4)         92         97           S-5 (4')         105         90           S-6 (4')         115         93           S-7 (4')         115         97           S-9 (4')         109         92           S-10 (4')         119         90           S-11 (4')         134 S1+         100           S-12 (4')         125         96           Lab C

#### 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

		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(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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Prep Type: Total/NA

Method: 8015B NM - Diesel Range

Client: NT Global

Matrix: Solid

Project/Site: Forehand Ranch

### **Surrogate Summary**

	Job ID: 890-3569-1
	SDG: 226349
Organics (DRO) (GC) (Continued)	
	Prep Type: Total/NA

		1CO1	ОТРН1	Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		5
890-3569-13	S-6 (4')	125	151 S1+		J
890-3569-14	S-7 (4')	137 S1+	160 S1+		C
890-3569-15	S-8 (4')	143 S1+	167 S1+		6
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+		8
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+		9
MB 880-40765/1-A	Method Blank	108	140 S1+		
Surrogate Legend					

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: NT Global

### **QC Sample Results**

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

Project/Site: Forehand Ranch

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

Lab Sample ID: MB 880-4064 Matrix: Solid	f0/5-A									Cheffit Sa	ample ID: M Prep Ty		
Analysis Batch: 40842											Prep E		
Analysis Datch: 40042	м	з мв									Fieh L	atch.	4004
Analyte		t Qualifier	RL		мы	Unit		D	D,	repared	Analyze		Dil Fa
Benzene	<0.0020		0.00200			mg/Kg		_		9/22 16:47	12/03/22 01		Dirra
Ethylbenzene	<0.0020		0.00200			mg/Kg				9/22 16:47	12/03/22 01		
Toluene	<0.0020		0.00200			mg/Kg				9/22 16:47	12/03/22 01		
											12/03/22 01		
Xylenes, Total	<0.0040		0.00400			mg/Kg				9/22 16:47			
m-Xylene & p-Xylene	<0.0040		0.00400			mg/Kg				9/22 16:47	12/03/22 01		
o-Xylene	<0.0020	0 0	0.00200			mg/Kg			11/29	9/22 16:47	12/03/22 01	:35	
	М	B MB											
Surrogate	%Recover	y Qualifier	Limits						Pi	repared	Analyze	1	Dil Fa
4-Bromofluorobenzene (Surr)	7		70 - 130	-						9/22 16:47	12/03/22 01		
1,4-Difluorobenzene (Surr)	9	0	70 - 130						11/29	9/22 16:47	12/03/22 01	:35	
Lab Sample ID: MB 880-4077	73/5-A									Client Sa	ample ID: M	ethod	l Blanł
Matrix: Solid											· Prep Ty		
Analysis Batch: 40842											Prep E		
· ·····, · · · · · · · · · · · · · · ·	M	З МВ											
Analyte	Resul	t Qualifier	RL		MDL	Unit		D	Pr	repared	Analyzed	ł	Dil Fa
Benzene	<0.0020		0.00200			mg/Kg		-		1/22 11:26	12/03/22 15		
Ethylbenzene	<0.0020		0.00200			mg/Kg				1/22 11:26	12/03/22 15		
Toluene	<0.0020		0.00200			mg/Kg				1/22 11:26	12/03/22 15		
Xylenes, Total	<0.00400		0.00400			mg/Kg				1/22 11:26	12/03/22 15		
m-Xylene & p-Xylene	<0.0040		0.00400			mg/Kg				1/22 11:26	12/03/22 15		
o-Xylene	<0.0040		0.00400			mg/Kg				1/22 11:20	12/03/22 15		
0-Aylene	~0.0020	5 0	0.00200			mg/rty			12/0	1/22 11.20	12/03/22 13	.22	I
0		B MB	1 : : : :						-		<b>A</b>		D# 5-
Surrogate	%Recover		Limits							repared	Analyze		Dil Fac
4-Bromofluorobenzene (Surr)	7.		70 - 130 70 - 130							1/22 11:26	12/03/22 15		
1,4-Difluorobenzene (Surr)	9	3	70 - 130						12/0	1/22 11:26	12/03/22 15	.22	
Lab Sample ID: LCS 880-407	73/1-A							С	lient	Sample	ID: Lab Cor	trol S	Sample
Matrix: Solid										Campio	Prep Ty		
Analysis Batch: 40842											Prep E		
Analysis Batch. 40042			Spike	LCS	LCS						%Rec	aton.	
Analyte			Added	Result			Unit		D	%Rec	Limits		
				0.09907	Jud								
Benzene			0.100 0.100	0.09907			mg/Kg mg/Kg			99 85	70 <sub>-</sub> 130 70 <sub>-</sub> 130		
Ethylbenzene							mg/Kg						
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 LC %Recovery Qu		Limits										
4-Bromofluorobenzene (Surr)	- <u></u>		70 - 130										
1,4-Difluorobenzene (Surr)	98		70 - 130										
Lab Sample ID: LCSD 880-4	)773/2-A						Cli	ent	Sam	ple ID: L	ab Control	Samp	le Dur
Matrix: Solid	-								-		Prep Ty		
											Prep E		
Analysis Batch: 40842											%Rec	aton.	RPE
Analysis Batch: 40842			Spike	LCSD	LCS	D							
Analysis Batch: 40842 Analyte			Spike Added	LCSD Result			Unit		D	%Rec	Limits	RPD	Limit

5

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### **QC Sample Results**

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

Lab Sample ID: LCSD 880-4077	3/2-A					Clie	nt Sam	ple ID:	Lab Contro	I Sampl	e Dup
Matrix: Solid									Prep 1	ype: To	tal/NA
Analysis Batch: 40842									Prep	Batch:	40773
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Ethylbenzene			0.100	0.08397		mg/Kg		84	70 - 130	1	3
Toluene			0.100	0.09595		mg/Kg		96	70 - 130	2	3
m-Xylene & p-Xylene			0.200	0.1682		mg/Kg		84	70 - 130	1	3
o-Xylene			0.100	0.08778		mg/Kg		88	70 - 130	2	3
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	100		70 - 130								
1,4-Difluorobenzene (Surr)	93		70 - 130								
Lab Sample ID: 890-3569-1 MS									Client Sar	nple ID:	SW-*
Matrix: Solid										ype: To	
Analysis Batch: 40842										Batch:	
-	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
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		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	109		70 - 130								
1,4-Difluorobenzene (Surr)	105		70 - 130								
Lab Sample ID: 890-3569-1 MSI	)								Client Sar	nple ID:	SW-1
Matrix: Solid									Prep 1	ype: To	tal/NA
Analysis Batch: 40842									Prep	Batch:	40773
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
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	3
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		0.100	0.07536		mg/Kg		75	70 - 130	34	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
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	МВ	МВ					Client Sa	mple ID: Metho Prep Type: ٦ Prep Batch	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		12/01/22 10:39	12/01/22 22:24	1
(GRO)-C6-C10									

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/ Matrix: Solid	/1-A									Client S	ample ID: Prep	Metho Type: T	
												b Batch	
Analysis Batch: 40737		мв мв									Fiel	Datch	. 4070
Analyte		sult Qual	ifior	RL	мы	Unit		D	Dr	epared	Analy	ad	Dil Fa
Diesel Range Organics (Over		$\frac{1}{10000000000000000000000000000000000$		50.0		mg/Kg		<u> </u>		/22 10:39			
C10-C28)		0.0 0		50.0		mg/rq	9		12/0	722 10.39	12/01/22	. 22.24	
Oll Range Organics (Over C28-C36)	<5	60.0 U		50.0		mg/Kg	3		12/01	/22 10:39	12/01/22	22:24	
		MB MB							_				
Surrogate		ery Qual		Limits				-		epared	Analy		Dil Fa
1-Chlorooctane		108		70 - 130						/22 10:39			
o-Terphenyl		140 S1+		70 - 130					12/01	/22 10:39	12/01/22	22:24	
Lab Sample ID: LCS 880-40765	5/2-1							C	iont	Samplo	ID: Lab C	ontrol	Sample
Matrix: Solid	5/2-A								ient	Sample			
												Type: T	
Analysis Batch: 40737			Spi		LCS						Pre %Rec	o Batch	. 40/0
Analyta							Unit		P	% Bee			
Analyte			Add		t Qua	mer			<u>D</u> .	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			10	00 846.	I		mg/Kg			85	70 - 130		
Diesel Range Organics (Over			10	00 107	h		mg/Kg			107	70 - 130		
C10-C28)			10	107	,		mg/rtg			107	70 - 100		
010 020)													
	LCS												
Surrogate	%Recovery		Limit										
1-Chlorooctane	179	S1+	70 - 1	30									
Lab Sample ID: LCSD 880-407	213 <b>65/3-A</b>	S1+	70 - 1	30			Cli	ient	Sam	ple ID: L	ab Contro	-	
Lab Sample ID: LCSD 880-407 Matrix: Solid		S1+				Ð	Cli	ient	Sam	ple ID: L	Prep Prep	ol Samı Type: T o Batch	otal/N/
Lab Sample ID: LCSD 880-407 Matrix: Solid Analysis Batch: 40737		S1+	Spi	ke LCSI	) LCS			ient		-	Prep Prej %Rec	Type: T b Batch	otal/N/ : 4076
Lab Sample ID: LCSD 880-407 Matrix: Solid Analysis Batch: 40737 Analyte		S1+	Spi Add	ke LCSI ed Resu	t Qua		Unit	ient :	Sam	%Rec	Prep Prep %Rec Limits	Type: T p Batch RPD	otal/NA : 4076 RPI Limi
Lab Sample ID: LCSD 880-407 Matrix: Solid Analysis Batch: 40737 Analyte Gasoline Range Organics		S1+	Spi	ke LCSI ed Resu	t Qua			ient :		-	Prep Prej %Rec	Type: T b Batch	otal/N/ : 4076 RPI
Lab Sample ID: LCSD 880-407 Matrix: Solid Analysis Batch: 40737 Analyte Gasoline Range Organics (GRO)-C6-C10		S1+	<b>Spi</b> 	ke LCSI ad <u>Resu</u> 00 805.	t Qua		Unit mg/Kg	ient :		<b>%Rec</b> 81	Prep Prep %Rec Limits	Type: T p Batch 	otal/N/ : 4076 RPI 
Lab Sample ID: LCSD 880-407 Matrix: Solid Analysis Batch: 40737 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over		S1+	Spi Add	ke LCSI ad <u>Resu</u> 00 805.	t Qua		Unit	ient :		%Rec	Prep Prep %Rec Limits 70 - 130	Type: T p Batch RPD	otal/N/ : 4076 RPI 
Lab Sample ID: LCSD 880-407 Matrix: Solid Analysis Batch: 40737 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	65/3-A		<b>Spi</b> 	ke LCSI ad <u>Resu</u> 00 805.	t Qua		Unit mg/Kg	ient :		<b>%Rec</b> 81	Prep Prep %Rec Limits 70 - 130	Type: T p Batch 	otal/N/ : 4076 RPI 
Lab Sample ID: LCSD 880-4070 Matrix: Solid Analysis Batch: 40737 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	65/3-A	LCSD	<b>Spi</b> - <u>Add</u> 10 10	ke LCSI ad <u>Resu</u> 00 805. 00 102	t Qua		Unit mg/Kg	ient :		<b>%Rec</b> 81	Prep Prep %Rec Limits 70 - 130	Type: T p Batch 	otal/N/ : 4076 RPI 
o-Terphenyl Lab Sample ID: LCSD 880-4070 Matrix: Solid Analysis Batch: 40737 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	65/3-A LCSD %Recovery	LCSD Qualifier	Spi Add 10 10 Limit	ke LCSI ad <u>Resu</u> 00 805. 00 102	t Qua		Unit mg/Kg	ient :		<b>%Rec</b> 81	Prep Prep %Rec Limits 70 - 130	Type: T p Batch 	otal/NA 1: 40765 RPE Limi
Lab Sample ID: LCSD 880-4070 Matrix: Solid Analysis Batch: 40737 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	65/3-A LCSD %Recovery 172	LCSD Qualifier S1+	Spi 	ke LCSI ad <u>Resu</u> 00 805. 00 102 <u>5</u> 30	t Qua		Unit mg/Kg	ient :		<b>%Rec</b> 81	Prep Prep %Rec Limits 70 - 130	Type: T p Batch 	otal/NA : 4076 RPI Limi
Lab Sample ID: LCSD 880-4070 Matrix: Solid Analysis Batch: 40737 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	65/3-A LCSD %Recovery	LCSD Qualifier S1+	Spi Add 10 10 Limit	ke LCSI ad <u>Resu</u> 00 805. 00 102 <u>5</u> 30	t Qua		Unit mg/Kg	ient :		<b>%Rec</b> 81	Prep Prep %Rec Limits 70 - 130	Type: T p Batch 	otal/N/ : 4076 RPI 
Lab Sample ID: LCSD 880-4070 Matrix: Solid Analysis Batch: 40737 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl	65/3-A LCSD %Recovery 172 204	LCSD Qualifier S1+	Spi 	ke LCSI ad <u>Resu</u> 00 805. 00 102 <u>5</u> 30	t Qua		Unit mg/Kg	ient :		<b>%Rec</b> 81	Prep Prej %Rec Limits 70 - 130 70 - 130	Type: T o Batch <u>RPD</u> 5	<b>Total/NA</b> <b>4076</b> <b>RPI</b> <b>Limi</b> 20
Lab Sample ID: LCSD 880-4070 Matrix: Solid Analysis Batch: 40737 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3569-1 MS	65/3-A LCSD %Recovery 172 204	LCSD Qualifier S1+	Spi 	ke LCSI ad <u>Resu</u> 00 805. 00 102 <u>5</u> 30	t Qua		Unit mg/Kg	ient :		<b>%Rec</b> 81	Prep %Rec Limits 70 - 130 70 - 130	Type: T o Batch <u>RPD</u> 5 5	<b>otal/NA</b> <b>RPI</b> <b>Limi</b> 20 20 <b>D: SW-</b>
Lab Sample ID: LCSD 880-4070 Matrix: Solid Analysis Batch: 40737 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3569-1 MS Matrix: Solid	65/3-A LCSD %Recovery 172 204	LCSD Qualifier S1+	Spi 	ke LCSI ad <u>Resu</u> 00 805. 00 102 <u>5</u> 30	t Qua		Unit mg/Kg	ient :		<b>%Rec</b> 81	Prep %Rec Limits 70 - 130 70 - 130	Type: T o Batch <u>RPD</u> 5 5 5 5	otal/NA : 4076 RPI Limi 20 20 0: SW Total/NA
Lab Sample ID: LCSD 880-4070 Matrix: Solid Analysis Batch: 40737 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3569-1 MS Matrix: Solid	65/3-A LCSD %Recovery 172 204	LCSD Qualifier S1+ S1+	Spi - Add 10 10 	ke LCS 2d Resu 20 805. 20 102 3 30 30	t Qua		Unit mg/Kg	ient :		<b>%Rec</b> 81	Prep %Rec Limits 70 - 130 70 - 130 70 - 130	Type: T o Batch <u>RPD</u> 5 5	otal/NA : 4076 RPE <u>Limi</u> 20 20 0: SW-7 Total/NA
Lab Sample ID: LCSD 880-4070 Matrix: Solid Analysis Batch: 40737 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3569-1 MS Matrix: Solid Analysis Batch: 40737	65/3-A <i>LCSD</i> %Recovery 172 204 Sample	LCSD Qualifier S1+ S1+ S1+	Spi 	ke LCSI ad <u>Resu</u> 00 805. 00 102 5 30 30	t Qua	lifier	Unit mg/Kg	ient :		%Rec 81 102	Prep %Rec Limits 70 - 130 70 - 130	Type: T o Batch <u>RPD</u> 5 5 5 5	otal/NA : 4076 RPI Limi 2 2 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 5 2 5 5 5 5 5 5 5 5 5 5 5 5 5
Lab Sample ID: LCSD 880-4070 Matrix: Solid Analysis Batch: 40737 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3569-1 MS Matrix: Solid Analysis Batch: 40737 Analyte Gasoline Range Organics	65/3-A <i>LCSD</i> %Recovery 172 204 Sample	LCSD Qualifier S1+ S1+ Sample Qualifier	Spi 	ke LCSI ad <u>Resu</u> 00 805. 00 102 5 30 30	t Qua	lifier	Unit mg/Kg mg/Kg		<u>D</u> .	<b>%Rec</b> 81	Prep %Rec Limits 70 - 130 70 - 130 70 - 130	Type: T o Batch <u>RPD</u> 5 5 5 5	otal/NJ : 4076 RPI 2 2 2 2 5 2 2 5 2 2
Lab Sample ID: LCSD 880-4070 Matrix: Solid Analysis Batch: 40737 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3569-1 MS Matrix: Solid Analysis Batch: 40737 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	65/3-A LCSD %Recovery 172 204 Sample Result	LCSD Qualifier S1+ S1+ Sample Qualifier	Spi 	ke LCS 2d Resu 20 805. 20 102 5 30 30 ke M 2d Resu	t Qua 3 3 5 MS 5	lifier	Unit mg/Kg mg/Kg		<u>D</u> .	%Rec 81 102 %Rec	Prep Prey %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 70 - 190	Type: T o Batch <u>RPD</u> 5 5 5 5	otal/NJ : 4076 RPI 2 2 2 2 5 2 2 5 2 2
Lab Sample ID: LCSD 880-4070 Matrix: Solid Analysis Batch: 40737 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	65/3-A <i>LCSD</i> %Recovery 172 204 Sample Result <50.0 54.2	LCSD Qualifier S1+ S1+ Sample Qualifier U	Spi 	ke LCSI ad Resu 50 805. 50 102 5 5 5 5 5 5 5 5 5 6 6 6 8 6 8 6 8 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8	t Qua 3 3 5 MS 5	lifier	Unit mg/Kg mg/Kg <u>Unit</u> mg/Kg	ient :	<u>D</u> .	%Rec 81 102 %Rec 107	Prep           %Rec           Limits           70 - 130           70 - 130           70 - 130           When the second seco	Type: T o Batch <u>RPD</u> 5 5 5 5	otal/NJ : 4076 RPI 2 2 2 2 5 2 2 5 2 2
Lab Sample ID: LCSD 880-4070 Matrix: Solid Analysis Batch: 40737 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3569-1 MS Matrix: Solid Analysis Batch: 40737 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	65/3-A <i>LCSD</i> %Recovery 172 204 Sample Result <50.0 54.2 <i>MS</i>	LCSD Qualifier S1+ S1+ Sample Qualifier U F1	Spi - Add 10 10 - Limit 70 - 1 70 - 1 70 - 1 Spi Add 9 9	ke LCS ad Resu 00 805. 00 102 5 30 30 ke M: ad Resu 39 106 39 130	t Qua 3 3 5 MS 5	lifier	Unit mg/Kg mg/Kg <u>Unit</u> mg/Kg	ient :	<u>D</u> .	%Rec 81 102 %Rec 107	Prep           %Rec           Limits           70 - 130           70 - 130           70 - 130           When the second seco	Type: T o Batch <u>RPD</u> 5 5 5 5	otal/NA : 4076 RPI Limi 2 2 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 5 2 5 5 5 5 5 5 5 5 5 5 5 5 5
Lab Sample ID: LCSD 880-4070 Matrix: Solid Analysis Batch: 40737 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-3569-1 MS Matrix: Solid Analysis Batch: 40737 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	65/3-A <i>LCSD</i> %Recovery 172 204 Sample Result <50.0 54.2	LCSD Qualifier S1+ S1+ Sample Qualifier U F1	Spi 	ke LCSI ad Resu 200 805. 200 102 5 30 30 30 ke Mi ad Resu 29 106 29 130	t Qua 3 3 5 MS 5	lifier	Unit mg/Kg mg/Kg <u>Unit</u> mg/Kg	ient :	<u>D</u> .	%Rec 81 102 %Rec 107	Prep           %Rec           Limits           70 - 130           70 - 130           70 - 130           When the second seco	Type: T o Batch <u>RPD</u> 5 5 5 5	otal/NA : 4076 RPI Limi 2 2 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 5 2 5 5 5 5 5 5 5 5 5 5 5 5 5

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126

o-Terphenyl

70 - 130

MSD MSD

1233

1501 F1

Result Qualifier

Unit

mg/Kg

mg/Kg

D

%Rec

124

145

Spike

Added

997

997

Limits

70 - 130

70 - 130

Analysis Batch: 40737

Gasoline Range Organics

Diesel Range Organics (Over

Matrix: Solid

(GRO)-C6-C10

Analyte

C10-C28)

Surrogate 1-Chlorooctane

o-Terphenyl

Matrix: Solid

Analysis Batch: 40841

Lab Sample ID: 890-3569-1 MSD

Lab Sample ID: MB 880-40723/1-A

Sample Sample

<50.0 U

54.2 F1

MSD MSD %Recovery Qualifier

136 S1+

142 S1+

Result Qualifier

_	
_	
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<b>t</b>	
D	7
	8
	9
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-	

### **Client Sample ID: Method Blank** Prep Type: Soluble

**Prep Type: Soluble** 

%Rec

Limits

70 - 130

70 - 130

	MB	MB							
Analyte	Result	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						Cli	ent Sample	D: Lab Control	Sample

Lab Sample ID: LCS 880-40723/2-A
Matrix: Solid
Analysis Batch: 40841

Method: 300.0 - Anions, Ion Chromatography

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	260.4		mg/Kg		104	90 - 110	 

Lab Sample ID: LCSD 880-40723/3-A Matrix: Solid Analysis Batch: 40841				Clie	nt Sam	ple ID:	Lab Contro Prep	ol Sampl Type: So	
Analysis Datch. 40041	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added		Qualifier	Unit	D	%Rec	Limits	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 Sa Prep	mple ID: Type: S	
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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 Sa Prep	mple ID: Type: S	
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	210		252	460.4		mg/Kg		99	90 - 110	1	20

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**Client Sample ID: SW-1** Prep Type: Total/NA Prep Batch: 4076 RPD Limi RPD 15 20 14 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 Matrix: Solid									Client Sam Pren	ple ID: S Type: S	
Analysis Batch: 40841										.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	orabio
-	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	17.6	F1	249	301.6	F1	mg/Kg		114	90 - 110		
Lab Sample ID: 890-3569-11 MSD									Client Sam	ple ID: \$	S-4 (4)
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 40841											
-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	17.6	F1	249	299.0	F1	mg/Kg		113	90 - 110	1	20

Client: NT Global Project/Site: Forehand Ranch Page 131 of 253

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	
rep Batch: 40773					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
390-3569-1	SW-1	Total/NA	Solid	5035	
390-3569-2	SW-2	Total/NA	Solid	5035	
90-3569-3	SW-3	Total/NA	Solid	5035	
90-3569-4	SW-4	Total/NA	Solid	5035	
90-3569-5	SW-5	Total/NA	Solid	5035	
890-3569-6	SW-6	Total/NA	Solid	5035	
90-3569-7	SW-7	Total/NA	Solid	5035	
90-3569-8	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	Ргер Туре	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

### **QC Association Summary**

Client: NT Global Project/Site: Forehand Ranch

### GC VOA (Continued)

#### Analysis Batch: 40842 (Continued)

Lab Sample ID MB 880-40773/5-A	Client Sample ID Method Blank	Prep Type Total/NA	Matrix Solid	Method 8021B	Prep Batch 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	
390-3569-9	S-2 (2')	Total/NA	Solid	Total BTEX	
890-3569-10	S-3 (4')	Total/NA	Solid	Total BTEX	
390-3569-11	S-4 (4)	Total/NA	Solid	Total BTEX	
390-3569-12	S-5 (4')	Total/NA	Solid	Total BTEX	
390-3569-13	S-6 (4')	Total/NA	Solid	Total BTEX	
390-3569-14	S-7 (4')	Total/NA	Solid	Total BTEX	
390-3569-15	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	Ргер Туре	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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#### Job ID: 890-3569-1 SDG: 226349

### **QC Association Summary**

Client: NT Global Project/Site: Forehand Ranch

#### GC Semi VOA (Continued)

#### Analysis Batch: 40737 (Continued)

Lab Sample ID MB 880-40765/1-A	Client Sample ID Method Blank	Prep Type Total/NA	Matrix Solid	Method 8015B NM	Prep Batch 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	Ргер Туре	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	Ргер Туре	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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#### Job ID: 890-3569-1 SDG: 226349

#### GC Semi VOA (Continued)

#### Analysis Batch: 40904 (Continued)

Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
S-10 (4')	Total/NA	Solid	8015 NM	
S-11 (4')	Total/NA	Solid	8015 NM	
S-12 (4')	Total/NA	Solid	8015 NM	
	S-10 (4') S-11 (4')	S-10 (4')         Total/NA           S-11 (4')         Total/NA	S-10 (4')         Total/NA         Solid           S-11 (4')         Total/NA         Solid	S-10 (4')         Total/NA         Solid         8015 NM           S-11 (4')         Total/NA         Solid         8015 NM

#### HPLC/IC

#### Leach Batch: 40723

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batc
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	Ргер Туре	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

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

### **QC Association Summary**

Client: NT Global Project/Site: Forehand Ranch

### HPLC/IC (Continued)

#### Analysis Batch: 40841 (Continued)

ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
390-3569-15	S-8 (4')	Soluble	Solid	300.0	40723	
390-3569-16	S-9 (4')	Soluble	Solid	300.0	40723	5
390-3569-17	S-10 (4')	Soluble	Solid	300.0	40723	
90-3569-18	S-11 (4')	Soluble	Solid	300.0	40723	
90-3569-19	S-12 (4')	Soluble	Solid	300.0	40723	
IB 880-40723/1-A	Method Blank	Soluble	Solid	300.0	40723	
CS 880-40723/2-A	Lab Control Sample	Soluble	Solid	300.0	40723	
CSD 880-40723/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	40723	8
90-3569-1 MS	SW-1	Soluble	Solid	300.0	40723	
90-3569-1 MSD	SW-1	Soluble	Solid	300.0	40723	
90-3569-11 MS	S-4 (4)	Soluble	Solid	300.0	40723	
90-3569-11 MSD	S-4 (4)	Soluble	Solid	300.0	40723	

Job ID: 890-3569-1 SDG: 226349

# Lab Sample ID: 890-3569-1

Lab Sample ID: 890-3569-2

Lab Sample ID: 890-3569-3

Lab Sample ID: 890-3569-4

Matrix: Solid

Matrix: Solid

Matrix: Solid

5 6

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Date Collected: 11/28/22 00:00 Date Received: 11/28/22 16:35

**Client Sample ID: SW-1** 

Project/Site: Forehand Ranch

Client: NT Global

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 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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Matrix: Solid

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#### Released to Imaging: 5/16/2024 4:25:11 PM

#### Lab Sample ID: 890-3569-4 Matrix: Solid

**Client Sample ID: SW-4** Date Collected: 11/28/22 00:00 Date Received: 11/28/22 16:35

Project/Site: Forehand Ranch

Client: NT Global

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

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Lab Sample ID: 890-3569-5 Matrix: Solid

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-3569-6

Lab Sample ID: 890-3569-7

#### Lab Chronicle

Job ID: 890-3569-1 SDG: 226349

Lab Sample ID: 890-3569-7

Lab Sample ID: 890-3569-8

Lab Sample ID: 890-3569-9

#### Client Sample ID: SW-7 Date Collected: 11/28/22 00:00

Project/Site: Forehand Ranch

Client: NT Global

Date Received: 11/28/22 16:35

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

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

**Eurofins Carlsbad** 

Matrix: Solid

Matrix: Solid

Matrix: Solid

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Released to Imaging: 5/16/2024 4:25:11 PM

### Client Sample ID: S-4 (4) Date Collected: 11/28/22 00:00

Project/Site: Forehand Ranch

Client: NT Global

Date Received: 11/28/22 16:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

Matrix: Solid

569-1 26349 2

### Lab Sample ID: 890-3569-11 Matrix: Solid

Lab Sample ID: 890-3569-12

Lab Sample ID: 890-3569-13

Lab Sample ID: 890-3569-14

Matrix: Solid

Matrix: Solid

> 10 11 12

#### Lab Sample ID: 890-3569-14 Matrix: Solid

Lab Sample ID: 890-3569-15

Lab Sample ID: 890-3569-16

Lab Sample ID: 890-3569-17

Matrix: Solid

Matrix: Solid

Matrix: Solid

Date Collected: 11/28/22 00:00 Date Received: 11/28/22 16:35

Client Sample ID: S-7 (4')

Project/Site: Forehand Ranch

Client: NT Global

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	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

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

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Released to Imaging: 5/16/2024 4:25:11 PM

Matrix: Solid

Matrix: Solid

Matrix: Solid

9

#### Lab Chronicle

Job ID: 890-3569-1 SDG: 226349

Lab Sample ID: 890-3569-17

Lab Sample ID: 890-3569-18

Lab Sample ID: 890-3569-19

#### Client Sample ID: S-10 (4') Date Collected: 11/28/22 00:00

Date Received: 11/28/22 16:35

Project/Site: Forehand Ranch

Client: NT Global

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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') Date Collected: 11/28/22 00:00 Date Received: 11/28/22 16:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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') Date Collected: 11/28/22 00:00 Date Received: 11/28/22 16:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	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

Laboratory: Eurofins Midland

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

uthority		rogram	Identification Number	Expiration Date
xas	N	ELAP	T104704400-22-24	06-30-23
The following analytes	are included in this report, be	ut the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for
the agency does not o				
• •	fer certification. Prep Method	Matrix	Analyte	
the agency does not o		Matrix Solid	Analyte Total TPH	· · ·

Eurofins Carlsbad

Job ID: 890-3569-1

### **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
SW846 = 1	= "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, Ma "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Ed = TestAmerica Laboratories, Standard Operating Procedure	I I	
Laboratory R	eferences:		
EET MID :	= Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440		

#### Protocol References:

#### Laboratory References:

### Sample Summary

Client: NT Global Project/Site: Forehand Ranch

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#### 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

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Sample lange       Colon Banks       Bit Er of langent       Company Name:       Colon Banks         Company Name:       NTG Environmental       Company Name:       Colon Banks         Company Name:       NTG Environmental       Company Name:       Colon Banks         Company Name:       NTG Environmental       Company Name:       Colon Banks         Company Name:       Reconstant Name       Environmental       Company Name:         Poject Name:       Environmental       Company Name:       Colon Banks         Poject Name:       Environmental       Conversion Fastor:       Nant Network fastor:         Sample Identification       Date       Time: Residence       Parameters       Batt X ex X         Sample Identification       Date       Time: Residence       Colon Bank       Parameters         Sample Identification       Date       Time: Residence       Parameters       Batt X ex X       Address X         Sample Identification       Date       Time: Residence       Colon Bank       Parameters </th <th>Work Or Program: UST/PST Project: Reporting:Level II Level Deliverables: EDD Level Deliverables: EDD Level Deliverables: EDD Level No-3569 Chain of Custody D-3569 C</th>	Work Or Program: UST/PST Project: Reporting:Level II Level Deliverables: EDD Level Deliverables: EDD Level Deliverables: EDD Level No-3569 Chain of Custody D-3569 C
ANALYSIS REQ	Work Orc
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ANALYSIS REQ ANALYSIS REQ 0-3569 Chain of C are due to circumstance enforced unless previo	Work Orc
ANALYSIS REQ ANALYSIS REQ are due to circumstand enforced unless standard enforced unless previo	Work Orc
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### Received by OCD: 5/16/2024 1:08:16 PM

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Relinquished by: (Signature) Received by: (Signature)	Date/Time		e)	Received by: (Signature)	-	by: (Signature)	Relinquished b
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.	enco, its affiliates incurred by the c out not analyzed.	npany to X r expenses to Xenco, b	order from client co bility for any losses o ch sample submitted	s constitutes a valid purchase nall not assume any responsit ject and a charge of \$5 for ea	quishment of samples cost of samples and sl be applied to each pro	document and relin e liable only for the c harge of \$85.00 will l	Notice: Signature of this of service. Xenco will b of Xenco. A minimum c
					ts:	Additional Comments:	Additi
×	××	-	Comp		11/28/2022	(4')	S-12 (4')
X	ХХ	-	Comp		11/28/2022	(4')	S 11 (4')
	× ×	-	Comp		11/28/2022	(4')	S-10 (4')
	××		Comp		11/28/2022	(4')	S-9 (4')
	X X		Comp		11/28/2022	(4')	S-8 (4')
×	××	-	Comp		11/28/2022	(4')	S-7 (4')
	××	-	Comp		11/28/2022	(4')	S-6 (4')
	××		Comp		11/28/2022	(4')	、S-5 (4')
	X X	-	Comp		11/28/2022	(4')	· S-4 (4')
	TPI	# of	Water Comp	Time Soil	Date	ntification	Sample Identification
	4 80 <sup>.</sup>			Corrected Temperature:	19 JC		Total Containers:
	15M			Temperature Reading	NO N/A T	als: Yes	Sample Custody Seals:
	·	P		Correction Factory	NO NIA C	ils: Yes	Cooler Custody Seals:
	10 +	araı		Thermometer ID:		~	Received Intact:
	DRO	nete	Yes No	Yes No Wet Ice:	Temp Blank:		SAMPLE RECEIPT
	) + N	rs	ed by 4:30pm	lab, if receiv			PO #:
	ARO		TAT starts the day received by the	TAT starts the di	Tyler Kimball	Т	Sampler's Name:
	)			Due Date:	Eddy County	m	Project Location
		Code	Rush	<ul> <li>✓ Routine</li> </ul>	226349		Project Number:
ANALYSIS REQUEST			Turn Around	Turn	Forehand Ranch	For	Project Name:
Deliverables: EDD				Email:		281 682-7998	Phone:
Reporting:Level II Level III LPST/UST			City, State ZIP:		88220	Carlsbad, NM 88220	City, State ZIP:
State of Project:			Address:		Ave	402 E Wood Ave	Address:
	Caza Petrolium		Company Name:	0	nental	NTG Environmental	Company Name:
Work Order Comments			Bill to: (if different)			Gordon Banks	Project Manager:



Work Order No:

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Job Number: 890-3569-1 SDG Number: 226349

List Source: Eurofins Carlsbad

### Login Sample Receipt Checklist

Client: NT Global

Login Number: 3569 List Number: 1 Creator: Clifton, Cloe

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

<6mm (1/4").

Login Number: 3569 List Number: 2 Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
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	N/A	

Job Number: 890-3569-1 SDG Number: 226349

List Source: Eurofins Midland

List Creation: 11/30/22 12:31 PM



**Environment Testing** 

# **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

See page two for job notes and contact information



## **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

RAMER

Generated 12/27/2022 9:17:54 AM

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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### **Definitions/Glossary**

Client: NT Global
Project/Site: Forehand Ranch

Job ID: 890-3653-1 SDG: Eddy County NM

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	4	
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.	1
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	4
%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	
~~	Quality Control	
QC	Quality Control	

 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)

Relative Error Ratio (Radiochemistry)

TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

RER

Eurofins Carlsbad

Released to Imaging: 5/16/2024 4:25:11 PM

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#### Job ID: 890-3653-1 SDG: Eddy County NM

#### Job ID: 890-3653-1

Client: NT Global

#### Laboratory: Eurofins Carlsbad

Project/Site: Forehand Ranch

#### 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**

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Matrix: Solid

Job ID: 890-3653-1 SDG: Eddy County NM

Lab Sample ID: 890-3653-1

## Client Sample ID: CS-9 (5')

Date Collected: 12/14/22 00:00 Date Received: 12/14/22 13:35

Project/Site: Forehand Ranch

Client: NT Global

Benzene	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Delizene	<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
n-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 - To	otal BTEX Cal	culation							
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 Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9		mg/Kg			12/15/22 16:24	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		12/15/22 12:00	12/15/22 14:55	
GRO)-C6-C10									
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/15/22 12:00	12/15/22 14:55	
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/15/22 12:00	12/15/22 14:55	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
I-Chlorooctane	98		70 - 130				12/15/22 12:00	12/15/22 14:55	
p-Terphenyl	95		70 - 130				12/15/22 12:00	12/15/22 14:55	ŝ
Method: MCAWW 300.0 - Anions,	Ion Chromato	ography - So	oluble						
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	14.5		5.04		mg/Kg			12/15/22 19:57	1
Analyte Chloride	14.5								
Chloride	14.0						Lab San	nple ID: 890-	3653-2
Chloride lient Sample ID: SW-8 ate Collected: 12/14/22 00:00	14.0						Lab San		3653-2 x: Solic
Chloride lient Sample ID: SW-8 ate Collected: 12/14/22 00:00	14.0						Lab Sar		
•	Organic Comp	ounds (GC) Qualifier	RL		Unit	D	Lab San		

12/27/22 01:13

12/27/22 01:13

12/27/22 01:13

12/27/22 01:13

12/27/22 01:13

Analyzed

12/27/22 01:13

12/27/22 01:13

Toluene

o-Xylene

Surrogate

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

0.00200

0.00200

0.00399

0.00200

0.00399

Limits

70 - 130

70 - 130

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

12/22/22 12:14

12/22/22 12:14

12/22/22 12:14

12/22/22 12:14

12/22/22 12:14

Prepared

12/22/22 12:14

12/22/22 12:14

<0.00200 U

<0.00200 U

<0.00399 U

<0.00200 U

<0.00399 U

%Recovery Qualifier

120

105

12/27/2022

1

1

1

1

1

1

1

Dil Fac

Matrix: Solid

5

### **Client Sample Results**

Job ID: 890-3653-1 SDG: Eddy County NM

Lab Sample ID: 890-3653-2

### Client Sample ID: SW-8

Project/Site: Forehand Ranch

Client: NT Global

Date Collected: 12/14/22 00:00 Date Received: 12/14/22 13:35

nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
otal BTEX	<0.00399	U	0.00399		mg/Kg			12/27/22 09:32	
lethod: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (	GC)						
nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
otal TPH	<50.0	U	50.0		mg/Kg			12/15/22 16:24	
lethod: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Sasoline Range Organics	<50.0	U	50.0		mg/Kg		12/15/22 12:00	12/15/22 15:17	
GRO)-C6-C10									
liesel Range Organics (Over	<50.0	U	50.0		mg/Kg		12/15/22 12:00	12/15/22 15:17	
:10-C28)									
II Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/15/22 12:00	12/15/22 15:17	
urrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
-Chlorooctane	99		70 - 130				12/15/22 12:00	12/15/22 15:17	
-Terphenyl	88		70 - 130				12/15/22 12:00	12/15/22 15:17	
lethod: MCAWW 300.0 - Anions	, Ion Chromato	ography - So	oluble						
nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
hloride	6.91		5.03		mg/Kg			12/15/22 20:02	
ient Sample ID: SW-9							Lab Sar	nple ID: 890-	3653-3

### Mothod: SW/946 9021P Volatile Organic Compoun

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)			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

1- (00)

#### Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier MDL Unit RL Dil Fac D Prepared Analyzed 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 MDL Unit RL D Analyzed Dil Fac Prepared Total TPH <49.9 U 12/15/22 16:24 49.9 mg/Kg 1 Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 1

Gasoline Range Organics	<49.9 U	49.9	mg/Kg	 12/15/22 12:00	12/15/22 15:39	1
(GRO)-C6-C10						
Diesel Range Organics (Over	<49.9 U	49.9	mg/Kg	12/15/22 12:00	12/15/22 15:39	1
C10-C28)						

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### **Client Sample Results**

Job ID: 890-3653-1 SDG: Eddy County NM

Lab Sample ID: 890-3653-3

### Client Sample ID: SW-9

Project/Site: Forehand Ranch

Client: NT Global

Date Collected: 12/14/22 00:00 Date Received: 12/14/22 13:35

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll 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
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Chloride	Result 12.0	Qualifier		MDL	Unit mg/Kg	D	Prepared	Analyzed 12/15/22 20:07	Dil Fac
Chloride		Qualifier		MDL		<u> </u>		12/15/22 20:07	Dil Fac 1 3653-4
		Qualifier		MDL		<u> </u>		12/15/22 20:07	1

1,4-Difluorobenzene (Surr)	106		70 - 130		12/22/22 12:14	12/27/22 01:55	1
4-Bromofluorobenzene (Surr)	118		70 - 130		12/22/22 12:14	12/27/22 01:55	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
Xylenes, Total	<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
m-Xylene & p-Xylene	<0.00401	U	0.00401	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
Toluene	<0.00200	U	0.00200	mg/Kg	12/22/22 12:14	12/27/22 01:55	1
Benzene	<0.00200	U	0.00200	mg/Kg	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	<49.9	U	49.9		mg/Kg		12/15/22 12:00	12/15/22 16:01	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		12/15/22 12:00	12/15/22 16:01	1
C10-C28)									
Oll 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 Chromato	ography - So	oluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.6		4.95		mg/Kg			12/15/22 20:12	1

5

Matrix: Solid

Client: NT Global Project/Site: Forehand Ranch

#### Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
90-3653-1	CS-9 (5')	118	108	
90-3653-2	SW-8	120	105	
390-3653-3	SW-9	116	104	
390-3653-4	SW-10	118	106	
890-3662-A-1-H MS	Matrix Spike	114	101	
390-3662-A-1-I MSD	Matrix Spike Duplicate	99	94	
_CS 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	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

wa	trix:	<b>Solia</b>

				Percent Surroga
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(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

#### Job ID: 890-3653-1 SDG: Eddy County NM

Prep Type: Total/NA

Prep Type: Total/NA

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Client: NT Global

Project/Site: Forehand Ranch

### **QC Sample Results**

Job ID: 890-3653-1 SDG: Eddy County NM

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

Metaluce Callel	7/ <b>5-A</b>								unioni uni	mple ID: Metho	
Matrix: Solid										Prep Type:	
Analysis Batch: 42596										Prep Batcl	n: 4248
		MB					_	_	<u>.</u>		
Analyte		Qualifier		M			<u>D</u>		repared	Analyzed	Dil F
Benzene	<0.00200		0.00200			ng/Kg			2/22 10:36	12/26/22 13:51	
Foluene	<0.00200		0.00200			ng/Kg			2/22 10:36	12/26/22 13:51	
Ethylbenzene	<0.00200		0.00200			ng/Kg			2/22 10:36	12/26/22 13:51	
n-Xylene & p-Xylene	<0.00400		0.00400			ng/Kg			2/22 10:36	12/26/22 13:51	
o-Xylene	<0.00200		0.00200		m	ng/Kg			2/22 10:36	12/26/22 13:51	
Kylenes, Total	<0.00400	U	0.00400		m	ng/Kg		12/2	2/22 10:36	12/26/22 13:51	
	MB	МВ									
Surrogate	%Recovery	Qualifier	Limits					P	repared	Analyzed	Dil F
4-Bromofluorobenzene (Surr)	97		70 - 130					12/2	2/22 10:36	12/26/22 13:51	
1,4-Difluorobenzene (Surr)	92		70 - 130					12/2	2/22 10:36	12/26/22 13:51	
Lab Sample ID: MB 880-42514	4/5-A								Client Sa	mple ID: Metho	d Bla
Matrix: Solid										· Prep Type: <sup>-</sup>	
Analysis Batch: 42596										Prep Batcl	
	МВ	MB									
Analyte	Result	Qualifier	RL	М	DL U	nit	D	P	repared	Analyzed	Dil F
Benzene	<0.00200	U	0.00200		m	ng/Kg		12/2	2/22 12:14	12/26/22 23:30	
Foluene	<0.00200	U	0.00200			ng/Kg		12/2	2/22 12:14	12/26/22 23:30	
Ethylbenzene	<0.00200		0.00200			ng/Kg			2/22 12:14	12/26/22 23:30	
n-Xylene & p-Xylene	<0.00400		0.00400			ng/Kg			2/22 12:14	12/26/22 23:30	
p-Xylene	<0.00200		0.00200			ng/Kg			2/22 12:14	12/26/22 23:30	
Xylenes, Total	< 0.00400		0.00400			ng/Kg			2/22 12:14	12/26/22 23:30	
	0.00100	0	0.00100			19/119		12/2		12/20/22 20:00	
0		MB	1					_		A	D.11 F
Surrogate	%Recovery 107	Qualifier	Limits 70 - 130						repared 2/22 12:14	Analyzed	Dil F
4-Bromofluorobenzene (Surr)										12/26/22 23:30	
1,4-Difluorobenzene (Surr)	97		70 - 130					12/2	2/22 12:14	12/26/22 23:30	
Lab Sample ID: LCS 880-4251	4/1-A						С	lient	Sample I	D: Lab Control	Samp
Matrix: Solid										Prep Type: <sup>-</sup>	
										Prep Batcl	
Analysis Batch: 42596			Spike	LCS L	.cs					%Rec	
Analysis Batch: 42596			Spike Added	LCS L Result C		er Unit		D	%Rec	%Rec Limits	
Analysis Batch: 42596			Added	Result 0				_ <u>D</u>			
Analysis Batch: 42596 Analyte Benzene			Added	<b>Result</b> 0.09444		mg/Kg		<u>D</u>	94	Limits	
Analysis Batch: 42596 Analyte Benzene Toluene			Added	Result         C           0.09444         0.09109		mg/Kg mg/Kg		_ <u>D</u>	94 91	Limits 70 - 130 70 - 130	
Analysis Batch: 42596 Analyte Benzene Toluene Ethylbenzene			Added 0.100 0.100 0.100 0.100	Result         C           0.09444         0.09109           0.08635         0.08635		mg/Kg mg/Kg mg/Kg		<u>D</u>	94 91 86	Limits 70 - 130 70 - 130 70 - 130	
Analysis Batch: 42596 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene			Added 0.100 0.100 0.100 0.200	Result         C           0.09444         0.09109           0.08635         0.1924		mg/Kg mg/Kg mg/Kg mg/Kg		<u>D</u>	94 91 86 96	Limits 70 - 130 70 - 130 70 - 130 70 - 130	
Analysis Batch: 42596 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene			Added 0.100 0.100 0.100 0.100	Result         C           0.09444         0.09109           0.08635         0.08635		mg/Kg mg/Kg mg/Kg		<u>D</u>	94 91 86	Limits 70 - 130 70 - 130 70 - 130	
Analysis Batch: 42596 Analyte Benzene Foluene Ethylbenzene n-Xylene & p-Xylene D-Xylene	LCS LCS		Added 0.100 0.100 0.100 0.200 0.100	Result         C           0.09444         0.09109           0.08635         0.1924		mg/Kg mg/Kg mg/Kg mg/Kg		<u> </u>	94 91 86 96	Limits 70 - 130 70 - 130 70 - 130 70 - 130	
Analysis Batch: 42596 Analyte Benzene Foluene Ethylbenzene m-Xylene & p-Xylene p-Xylene	%Recovery Qua	) lifier	Added 0.100 0.100 0.100 0.200 0.100 Limits	Result         C           0.09444         0.09109           0.08635         0.1924		mg/Kg mg/Kg mg/Kg mg/Kg		<u> </u>	94 91 86 96	Limits 70 - 130 70 - 130 70 - 130 70 - 130	
Analysis Batch: 42596 Analyte Benzene Toluene Ethylbenzene n-Xylene & p-Xylene D-Xylene Surrogate H-Bromofluorobenzene (Surr)	<u>%Recovery</u> Qua		Added           0.100           0.100           0.100           0.200           0.100           0.200           0.100	Result         C           0.09444         0.09109           0.08635         0.1924		mg/Kg mg/Kg mg/Kg mg/Kg		<u>D</u>	94 91 86 96	Limits 70 - 130 70 - 130 70 - 130 70 - 130	
Analysis Batch: 42596 Analyte Benzene Foluene Ethylbenzene m-Xylene & p-Xylene D-Xylene Surrogate 4-Bromofluorobenzene (Surr)	%Recovery Qua		Added 0.100 0.100 0.100 0.200 0.100 Limits	Result         C           0.09444         0.09109           0.08635         0.1924		mg/Kg mg/Kg mg/Kg mg/Kg		<u>D</u>	94 91 86 96	Limits 70 - 130 70 - 130 70 - 130 70 - 130	
Analysis Batch: 42596 Analyte Benzene Foluene Ethylbenzene n-Xylene & p-Xylene b-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-425	%Recovery Qua 96 93		Added           0.100           0.100           0.100           0.200           0.100           0.200           0.100	Result         C           0.09444         0.09109           0.08635         0.1924		mg/Kg mg/Kg mg/Kg mg/Kg	lient		94 91 86 96 97	Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	ple D
Analysis Batch: 42596 Analyte Benzene Foluene Ethylbenzene m-Xylene & p-Xylene b-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-425 Matrix: Solid	%Recovery Qua 96 93		Added           0.100           0.100           0.100           0.200           0.100           0.200           0.100	Result         C           0.09444         0.09109           0.08635         0.1924		mg/Kg mg/Kg mg/Kg mg/Kg	lient		94 91 86 96 97	Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	ple D
	%Recovery Qua 96 93		Added         0.100         0.100         0.100         0.200         0.100         Limits         70 - 130         70 - 130	Result         C           0.09444         0.09109           0.08635         0.1924           0.09703         0.09703	Qualifi	mg/Kg mg/Kg mg/Kg mg/Kg	lient		94 91 86 96 97	Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 Prep Type: The prep Batcl	ple Dr Total/N h: 425
Analysis Batch: 42596 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene p-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-425 Matrix: Solid	%Recovery Qua 96 93		Added           0.100           0.100           0.100           0.200           0.100           0.200           0.100	Result         C           0.09444         0.09109           0.08635         0.1924	Qualifi	mg/Kg mg/Kg mg/Kg mg/Kg	lient		94 91 86 96 97	Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	ple Du Total/N h: 425° Ri

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### **QC Sample Results**

#### Job ID: 890-3653-1 SDG: Eddy County NM

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

Lab Sample ID: LCSD 880-4	2514/2-A					Clie	nt Sam	ple ID:	Lab Contro	I Sampl	e Dup
Matrix: Solid									Prep 1	ype: To	tal/NA
Analysis Batch: 42596									Prep	Batch:	42514
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
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
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	98		70 - 130								
1,4-Difluorobenzene (Surr)	93		70 _ 130								
_ Lab Sample ID: 890-3662-A	-1-H MS							Client	Sample ID	: Matrix	Spike
Matrix: Solid										ype: To	
Analysis Batch: 42596										Batch:	
-	Sample	Sample	Spike	MS	MS				• %Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		

Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
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	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
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

1,4-Difluorobenzene (Surr)

Analysis Batch: 42596									Prep	Batch:	42514
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U	0.0996	0.07551		mg/Kg		76	70 - 130	17	35
Toluene	<0.00201	U F1	0.0996	0.06302	F1	mg/Kg		63	70 - 130	18	35
Ethylbenzene	<0.00201	U F1	0.0996	0.04699	F1	mg/Kg		47	70 - 130	23	35
m-Xylene & p-Xylene	<0.00402	U F1	0.199	0.1036	F1	mg/Kg		52	70 - 130	25	35
o-Xylene	<0.00201	U F1	0.0996	0.05231	F1	mg/Kg		53	70 - 130	25	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	99		70 - 130								

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

94

Lab Sample ID: MB 880-41834/1-A Matrix: Solid Analysis Batch: 41874	мв	МВ					Client Sa	mple ID: Metho Prep Type: <sup>-</sup> Prep Batcl	Total/NA
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analvzed	Dil Fac
Analyte	Result	Quaimer	KL	WDL	Unit		Frepareu	Analyzeu	DIFac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		12/14/22 13:21	12/15/22 08:42	1
(GRO)-C6-C10									

70 - 130

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Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

### **QC Sample Results**

#### Job ID: 890-3653-1 SDG: Eddy County NM

Method: 8015B NM - Diesel Range	<b>Organics</b> (DRC	) (GC) (Continued)
· · · · · · · · · · · · · · · · · · ·		

Matrix: Solid	/1-A								C	Client Sa	ample ID:   Prep 1	Methoo Type: T	
Analysis Batch: 41874												Batch	
Analysis Daten. 41074	,	NB MB									Tieb	Daten	. 4100
Analyte		ult Qualifier	RL		MDL	Unit		D	Dre	epared	Analyz	od.	Dil Fa
Diesel Range Organics (Over			50.0			mg/Kg				/22 13:21	12/15/22		Dirta
C10-C28)		0.0 0	50.0			iiig/itg			12/14	122 10.21	12/10/22	00.42	
Oll Range Organics (Over C28-C36)	<5	0.0 U	50.0			mg/Kg			12/14	/22 13:21	12/15/22	08:42	
						0 0							
	I	MB MB											
Surrogate	%Recov	ery Qualifier	Limits					_	Pre	epared	Analyz	zed	Dil Fa
1-Chlorooctane	1	30	70 - 130						12/14	/22 13:21	12/15/22	08:42	
p-Terphenyl	1	23	70 - 130						12/14	/22 13:21	12/15/22	08:42	
Lab Sample ID: LCS 880-41834	4/2-A							Cli	ent	Sample	ID: Lab Co		
Matrix: Solid												Гуре: Т	
Analysis Batch: 41874												Batch	: 4183
			Spike		LCS						%Rec		
Analyte			Added	Result	Qual	ifier	Unit		D	%Rec	Limits		
Gasoline Range Organics			1000	842.1			mg/Kg			84	70 - 130		
GRO)-C6-C10			1005	or- ·									
Diesel Range Organics (Over			1000	855.1			mg/Kg			86	70 - 130		
C10-C28)													
	LCS L	.cs											
Surrogate	%Recovery (	Qualifier	Limits										
1-Chlorooctane	94		70 - 130										
o-Terphenyl	103		70 - 130										
Motrix: Solid												-	
						_					Prep 1 Prep	Type: To Batch	otal/N : 4183
Analysis Batch: 41874			Spike	LCSD					-		Prep 1 Prep %Rec	Type: To Batch	otal/N/ : 4183 RP
Analysis Batch: 41874			Added	Result			Unit		<u>D</u>	%Rec	Prep 1 Prep %Rec Limits	Type: To Batch RPD	otal/N : 4183 RP Lim
Analysis Batch: 41874 Analyte Gasoline Range Organics			-						-		Prep 1 Prep %Rec	Type: To Batch	otal/N : 4183 RP Lim
Analysis Batch: 41874 Analyte Gasoline Range Organics GRO)-C6-C10			Added	Result 923.6			Unit mg/Kg		-	%Rec	Prep 1 Prep %Rec Limits 70 - 130	Type: To Batch RPD 9	otal/N/ : 4183 RP 2
Analysis Batch: 41874 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over			Added	Result			Unit		-	%Rec	Prep 1 Prep %Rec Limits	Type: To Batch RPD	otal/N/ : 4183 RP 2
Analysis Batch: 41874 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over			Added	Result 923.6			Unit mg/Kg		-	%Rec	Prep 1 Prep %Rec Limits 70 - 130	Type: To Batch RPD 9	otal/N/ : 4183 RP Lim 2
Analysis Batch: 41874 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	LCSD I		Added	Result 923.6			Unit mg/Kg		-	%Rec	Prep 1 Prep %Rec Limits 70 - 130	Type: To Batch RPD 9	otal/N/ : 4183 RP Lim 2
Analysis Batch: 41874 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	%Recovery	.CSD Qualifier	Added 1000 1000 <i>Limits</i>	Result 923.6			Unit mg/Kg		-	%Rec	Prep 1 Prep %Rec Limits 70 - 130	Type: To Batch RPD 9	otal/N/ : 4183 RP Lim 2
Analysis Batch: 41874 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate I-Chlorooctane	%Recovery 101		Added 1000 1000 <u>Limits</u> 70 - 130	Result 923.6			Unit mg/Kg		-	%Rec	Prep 1 Prep %Rec Limits 70 - 130	Type: To Batch RPD 9	otal/N/ : 4183 RP Lim 2
Analysis Batch: 41874 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate I-Chlorooctane	%Recovery		Added 1000 1000 <i>Limits</i>	Result 923.6			Unit mg/Kg		-	%Rec	Prep 1 Prep %Rec Limits 70 - 130	Type: To Batch RPD 9	otal/N/ : 4183 RP 2
Analysis Batch: 41874 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate I-Chlorooctane D-Terphenyl	%Recovery 0 101 112		Added 1000 1000 <u>Limits</u> 70 - 130	Result 923.6			Unit mg/Kg		-	%Rec 92 99	Prep 1 Prep %Rec Limits 70 - 130 70 - 130	Type: To Batch 	otal/N. : 4183 RP Lim 2
Analysis Batch: 41874 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane p-Terphenyl Lab Sample ID: 880-22702-A-6	%Recovery 0 101 112		Added 1000 1000 <u>Limits</u> 70 - 130	Result 923.6			Unit mg/Kg		-	%Rec 92 99	Prep 1           %Rec           Limits           70 - 130           70 - 130	Type: To Batch RPD 9 14	otal/NJ : 4183 RP Lim 2 2 x Spik
Analysis Batch: 41874 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane D-Terphenyl Lab Sample ID: 880-22702-A-6 Matrix: Solid	%Recovery 0 101 112		Added 1000 1000 <u>Limits</u> 70 - 130	Result 923.6			Unit mg/Kg		-	%Rec 92 99	Prep 1           %Rec           Limits           70 - 130           70 - 130           Sample ID           Prep 1	Type: To Batch RPD 9 14 : Matriz Type: To	otal/NJ : 4183 RPI Lim 2 2 2 x Spik
Analysis Batch: 41874 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane D-Terphenyl Lab Sample ID: 880-22702-A-6 Matrix: Solid	%Recovery 0 101 112 6-B MS	Qualifier	Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130	<b>Result</b> 923.6 985.0	Qual		Unit mg/Kg		-	%Rec 92 99	Prep 1 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Sample ID Prep 1 Prep 1	Type: To Batch RPD 9 14	otal/NJ : 4183 RPI Lim 2 2 2 x Spik
Analysis Batch: 41874 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate I-Chlorooctane D-Terphenyl Lab Sample ID: 880-22702-A-6 Matrix: Solid Analysis Batch: 41874	%Recovery 0 101 112 6-B MS Sample 5	Qualifier Sample	Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130 Spike	<b>Result</b> 923.6 985.0 MS	Qual	ifier	Unit mg/Kg mg/Kg		<u>D</u>	%Rec           92           99           Glient S	Prep 1 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Sample ID Prep 1 Prep 1 %Rec	Type: To Batch RPD 9 14 : Matriz Type: To	otal/NJ : 4183 RPI Lim 2 2 2 x Spik
Analysis Batch: 41874 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate I-Chlorooctane D-Terphenyl Lab Sample ID: 880-22702-A-6 Matrix: Solid Analysis Batch: 41874 Analyte	%Recovery 0 101 112 6-B MS Sample S Result 0	Qualifier Gample Qualifier	Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130 70 - 130 Spike Added	Result 923.6 985.0 985.0 MS Result	Qual MS Qual	ifier	Unit mg/Kg mg/Kg		-	%Rec           92           99           Client \$           %Rec	Prep 1 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 70 - 1	Type: To Batch RPD 9 14 : Matriz Type: To	otal/NJ : 4183 RPI Lim 2 2 2 x Spik
Analysis Batch: 41874 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate I-Chlorooctane D-Terphenyl Lab Sample ID: 880-22702-A-6 Matrix: Solid Analysis Batch: 41874 Analyte Gasoline Range Organics	%Recovery 0 101 112 6-B MS Sample 5	Qualifier Gample Qualifier	Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130 Spike	<b>Result</b> 923.6 985.0 MS	Qual MS Qual	ifier	Unit mg/Kg mg/Kg		<u>D</u>	%Rec           92           99           Glient S	Prep 1 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Sample ID Prep 1 Prep 1 %Rec	Type: To Batch RPD 9 14 : Matriz Type: To	otal/N. : 4183 RP Lim 2 2 2 x Spik otal/N.
Analysis Batch: 41874 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate I-Chlorooctane p-Terphenyl Lab Sample ID: 880-22702-A-6 Matrix: Solid Analysis Batch: 41874 Analyte Gasoline Range Organics GRO)-C6-C10	%Recovery         Q           101         112           6-B MS         Sample           Sample         S           Result         Q           2370         F	Qualifier Sample Qualifier	Added           1000           1000           1000           1000           Limits           70 - 130           70 - 130           70 - 130           999	Result           923.6           985.0           MS           Result           2758	Qual MS Qual F1	ifier	Unit mg/Kg mg/Kg <u>Unit</u> mg/Kg		<u>D</u>	%Rec         92         99         Client \$         %Rec         39	Prep 1 Prep 2 %Rec Limits 70 - 130 70 - 130 70 - 130 Sample ID Prep 1 Prep 2 %Rec Limits 70 - 130	Type: To Batch RPD 9 14 : Matriz Type: To	otal/N. : 4183 RP Lim 2 2 2 x Spik otal/N.
Analysis Batch: 41874 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate I-Chlorooctane D-Terphenyl Lab Sample ID: 880-22702-A-6 Matrix: Solid Analysis Batch: 41874 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over	%Recovery 0 101 112 6-B MS Sample S Result 0	Qualifier Sample Qualifier	Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130 70 - 130 Spike Added	Result 923.6 985.0 985.0 MS Result	Qual MS Qual F1	ifier	Unit mg/Kg mg/Kg		<u>D</u>	%Rec           92           99           Client \$           %Rec	Prep 1 Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 70 - 1	Type: To Batch RPD 9 14 : Matriz Type: To	otal/N. : 4183 RP Lim 2 2 2 x Spik otal/N.
Matrix: Solid Analysis Batch: 41874 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane p-Terphenyl Lab Sample ID: 880-22702-A-6 Matrix: Solid Analysis Batch: 41874 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	%Recovery         0           101         101           112         6-B MS           Sample         S           Result         0           2370         F           2240         F	Qualifier Sample Qualifier 1	Added           1000           1000           1000           1000           Limits           70 - 130           70 - 130           70 - 130           999	Result           923.6           985.0           MS           Result           2758	Qual MS Qual F1	ifier	Unit mg/Kg mg/Kg <u>Unit</u> mg/Kg		<u>D</u>	%Rec         92         99         Client \$         %Rec         39	Prep 1 Prep 2 %Rec Limits 70 - 130 70 - 130 70 - 130 Sample ID Prep 1 Prep 2 %Rec Limits 70 - 130	Type: To Batch RPD 9 14 : Matriz Type: To	otal/NJ : 4183 RPI Lim 2 2 2 x Spik
Analysis Batch: 41874 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane D-Terphenyl Lab Sample ID: 880-22702-A-6 Matrix: Solid Analysis Batch: 41874 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	%Recovery         0           101         112           6-B MS         Sample           Result         0           2370         F           2240         F           MS         MS	Qualifier Sample Qualifier 1 1	Added           1000           1000           1000           1000           Limits           70 - 130           70 - 130           999           999           999	Result           923.6           985.0           MS           Result           2758	Qual MS Qual F1	ifier	Unit mg/Kg mg/Kg <u>Unit</u> mg/Kg		<u>D</u>	%Rec         92         99         Client \$         %Rec         39	Prep 1 Prep 2 %Rec Limits 70 - 130 70 - 130 70 - 130 Sample ID Prep 1 Prep 2 %Rec Limits 70 - 130	Type: To Batch RPD 9 14 : Matriz Type: To	: 4183 RPI 2 2 2 x Spike otal/NJ
Analysis Batch: 41874 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane 0-Terphenyl Lab Sample ID: 880-22702-A-6 Matrix: Solid Analysis Batch: 41874 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	%Recovery         0           101         112           6-B MS         Sample           Sample         S           Result         0           2370         F           2240         F           MS         MS           %Recovery         0	Qualifier Sample Qualifier 1 1 1 NS Qualifier	Added           1000           1000           1000           1000           Limits           70 - 130           70 - 130           999           999           999           999           1000	Result           923.6           985.0           MS           Result           2758	Qual MS Qual F1	ifier	Unit mg/Kg mg/Kg <u>Unit</u> mg/Kg		<u>D</u>	%Rec         92         99         Client \$         %Rec         39	Prep 1 Prep 2 %Rec Limits 70 - 130 70 - 130 70 - 130 Sample ID Prep 1 Prep 2 %Rec Limits 70 - 130	Type: To Batch RPD 9 14 : Matriz Type: To	otal/NJ : 4183 RPI Lim 2 2 2 x Spik
analysis Batch: 41874 asoline Range Organics BRO)-C6-C10 iesel Range Organics (Over 10-C28)  urrogate -Chlorooctane -Terphenyl ab Sample ID: 880-22702-A-6 latrix: Solid analysis Batch: 41874 nalyte asoline Range Organics BRO)-C6-C10 iesel Range Organics (Over 10-C28)	%Recovery         0           101         112           6-B MS         Sample           Result         0           2370         F           2240         F           MS         MS	Qualifier Sample Qualifier 1 1 1 NS Qualifier	Added           1000           1000           1000           1000           Limits           70 - 130           70 - 130           999           999           999	Result           923.6           985.0           MS           Result           2758	Qual MS Qual F1	ifier	Unit mg/Kg mg/Kg <u>Unit</u> mg/Kg		<u>D</u>	%Rec         92         99         Client \$         %Rec         39	Prep 1 Prep 2 %Rec Limits 70 - 130 70 - 130 70 - 130 Sample ID Prep 1 Prep 2 %Rec Limits 70 - 130	Type: To Batch RPD 9 14 : Matriz Type: To	otal/I : 418 R Li

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95

o-Terphenyl

70 - 130

### **QC Sample Results**

Client: NT Global Project/Site: Forehand Ranch Job ID: 890-3653-1

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

Matrix: Solid	-66-C MSD					01			): Matrix Sp Prep 1	Гуре: То	
Analysis Batch: 41874										Batch:	
Analysis Baten. 41014	Sample	Sample	Spike	MSD	MSD				%Rec	Batem.	RPI
Analyte	-	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Gasoline Range Organics	2370		997	2823		mg/Kg		45	70 - 130	2	2
(GRO)-C6-C10										_	_
Diesel Range Organics (Over C10-C28)	2240	F1	997	2911	F1	mg/Kg		67	70 - 130	4	2
	MSD	MSD									
Surrogate	%Recovery		Limits								
1-Chlorooctane		<u></u>	70 - 130								
o-Terphenyl	97		70 - 130								
lethod: 300.0 - Anions, Lab Sample ID: MB 880-419 Matrix: Solid Analysis Batch: 41937								Client S	Sample ID: Prep	Method Type: S	
		MB MB									
Analyte		esult Qualifier		RL	MDL Unit	[	р Р — —	repared	Analyz		Dil Fa
Chloride	<	<5.00 U		5.00	mg/K	g			12/15/22	19:28	
Matrix: Solid	50772-A		Spiko	1.05	1.05		Unern	. oumpre		Type: S	
Matrix: Solid Analysis Batch: 41937 <sup>Analyte</sup>			Spike Added 250		LCS Qualifier	- Unit mg/Kg	<u>D</u>	%Rec 96			
Matrix: Solid Analysis Batch: 41937 Analyte Chloride			Added	Result		Unit mg/Kg		%Rec	Prep %Rec Limits		
Matrix: Solid Analysis Batch: 41937 Analyte Chloride			Added	Result		mg/Kg	<u>D</u>	<b>%Rec</b> 96	Prep %Rec Limits 90 - 110	Type: S	le Du
Matrix: Solid Analysis Batch: 41937 Analyte Chloride Lab Sample ID: LCSD 880-4			Added	Result		mg/Kg	<u>D</u>	<b>%Rec</b> 96	Prep %Rec Limits 90 - 110	Type: S	le Du
Matrix: Solid Analysis Batch: 41937 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid			Added	Result 239.2	Qualifier	mg/Kg	<u>D</u>	<b>%Rec</b> 96	Prep %Rec Limits 90 - 110 Lab Contro Prep	Type: S	le Du
Matrix: Solid Analysis Batch: 41937 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 41937			Added 250 Spike	Result 239.2 LCSD	Qualifier	mg/Kg Clie	D_ nt San	%Rec 96	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec	Type: S	le Du olubi
Matrix: Solid Analysis Batch: 41937 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 41937 Analyte			Added 250 Spike Added	Result 239.2 LCSD Result	Qualifier	mg/Kg Cliet	<u>D</u>	%Rec 96 nple ID: %Rec	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits	Type: S ol Sampi Type: S	le Du olub RF Lim
Matrix: Solid Analysis Batch: 41937 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 41937 Analyte			Added 250 Spike	Result 239.2 LCSD	Qualifier	mg/Kg Clie	D_ nt San	%Rec 96	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec	Type: S	le Du olub RF Lim
Matrix: Solid Analysis Batch: 41937 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 41937 Analyte Chloride Lab Sample ID: 890-3651-A-	 1907/3-A 		Added 250 Spike Added	Result 239.2 LCSD Result	Qualifier	mg/Kg Cliet	D_ nt San	%Rec 96 nple ID: %Rec 94	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID	Type: S OI Sampl Type: S RPD 2 : Matrix	le Du colub RF Lin Spik
Matrix: Solid Analysis Batch: 41937 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 41937 Analyte Chloride Lab Sample ID: 890-3651-A-	 1907/3-A 		Added 250 Spike Added	Result 239.2 LCSD Result	Qualifier	mg/Kg Cliet	D_ nt San	%Rec 96 nple ID: %Rec 94	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID	Type: S Type: S Sampl Type: S RPD 2	le Du olub RP Lim 2 Spik
Matrix: Solid Analysis Batch: 41937 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 41937 Analyte Chloride Lab Sample ID: 890-3651-A- Matrix: Solid	1907/3-A  1-B MS		Added 250 Spike Added 250	Result 239.2 LCSD Result 234.5	Qualifier LCSD Qualifier	mg/Kg Cliet	D_ nt San	%Rec 96 nple ID: %Rec 94	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep	Type: S OI Sampl Type: S RPD 2 : Matrix	le Du olub RP Lim 2 Spik
Lab Sample ID: LCS 880-419 Matrix: Solid Analysis Batch: 41937 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 41937 Analyte Chloride Lab Sample ID: 890-3651-A- Matrix: Solid Analysis Batch: 41937	1907/3-A 1-B MS Sample		Added 250 Spike Added 250 Spike	Result 239.2 LCSD Result 234.5	Qualifier	mg/Kg Cliet	D_ nt San	%Rec 96 hple ID: %Rec 94 Client	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID	Type: S OI Sampl Type: S RPD 2 : Matrix	le Du Jolubi RP Lim 2 Spik
Matrix: Solid Analysis Batch: 41937 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 41937 Analyte Chloride Lab Sample ID: 890-3651-A- Matrix: Solid Analysis Batch: 41937 Analyte	1907/3-A 1-B MS Sample Result	Sample Qualifier	Added 250 Spike Added 250 Spike Added	Result 239.2 LCSD Result 234.5 MS Result	Qualifier LCSD Qualifier	mg/Kg Cliet	D_ nt San	%Rec 96 nple ID: %Rec 94 Client	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits	Type: S OI Sampl Type: S RPD 2 : Matrix	le Du olub RP Lim 2 Spik
Matrix: Solid Analysis Batch: 41937 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 41937 Analyte Chloride Lab Sample ID: 890-3651-A- Matrix: Solid Analysis Batch: 41937 Analyte	1907/3-A 1-B MS Sample	-	Added 250 Spike Added 250 Spike	Result 239.2 LCSD Result 234.5	Qualifier LCSD Qualifier MS	Unit mg/Kg	D	%Rec 96 hple ID: %Rec 94 Client	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec	Type: S OI Sampl Type: S RPD 2 : Matrix	le Du olub RP Lim 2 Spik
Matrix: Solid Analysis Batch: 41937 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 41937 Analyte Chloride Lab Sample ID: 890-3651-A- Matrix: Solid Analysis Batch: 41937 Analyte Chloride	1907/3-A 1-B MS 	-	Added 250 Spike Added 250 Spike Added	Result 239.2 LCSD Result 234.5 MS Result	Qualifier LCSD Qualifier MS	Unit mg/Kg	D	%Rec           96           nple ID:           %Rec           94           Client           %Rec           98	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits 90 - 110	Type: S ol Sampl Type: S 2 : Matrix Type: S	le Du colub RF Lin Spil colub
Matrix: Solid Analysis Batch: 41937 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 41937 Analyte Chloride Lab Sample ID: 890-3651-A- Matrix: Solid Analysis Batch: 41937 Analyte Chloride Lab Sample ID: 890-3651-A- Matrix: Solid	1907/3-A 1-B MS 	-	Added 250 Spike Added 250 Spike Added	Result 239.2 LCSD Result 234.5 MS Result	Qualifier LCSD Qualifier MS	Unit mg/Kg	D	%Rec           96           nple ID:           %Rec           94           Client           %Rec           98	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits 90 - 110	Type: S I Sampl Type: S RPD 2 : Matrix Type: S Dike Dup	le Du colub RF Lin Spik colub
Matrix: Solid Analysis Batch: 41937 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 41937 Analyte Chloride Lab Sample ID: 890-3651-A- Matrix: Solid Analysis Batch: 41937 Analyte Chloride Lab Sample ID: 890-3651-A- Matrix: Solid	1907/3-A 1-B MS 	-	Added 250 Spike Added 250 Spike Added	Result 239.2 LCSD Result 234.5 MS Result 326.6	Qualifier LCSD Qualifier MS	Unit mg/Kg	D	%Rec           96           nple ID:           %Rec           94           Client           %Rec           98	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits 90 - 110	Type: S I Sampl Type: S RPD 2 : Matrix Type: S Dike Dup	le Du olubi RP Lim 2 Spik olubi
Matrix: Solid Analysis Batch: 41937 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 41937 Analyte Chloride Lab Sample ID: 890-3651-A- Matrix: Solid	1907/3-A 1-B MS <u>Sample</u> <u>Result</u> 80.6 1-C MSD Sample	Qualifier	Added 250 Spike Added 250 Spike Added 250	Result 239.2 LCSD Result 234.5 MS Result 326.6	Qualifier LCSD Qualifier MS Qualifier	Unit mg/Kg	D	%Rec           96           nple ID:           %Rec           94           Client           %Rec           98	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID Prep %Rec Limits 90 - 110 0: Matrix Sp Prep	Type: S I Sampl Type: S RPD 2 : Matrix Type: S Dike Dup	le Du bolubl RP Lim 2 Spik volubl

### **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	
rep 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	
390-3662-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	Ргер Туре	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	Ргер Туре	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	Ргер Туре	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

### 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	Ргер Туре	Matrix	Method	Prep Batch

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	
390-3653-2	SW-8	Soluble	Solid	DI Leach	
390-3653-3	SW-9	Soluble	Solid	DI Leach	
390-3653-4	SW-10	Soluble	Solid	DI Leach	
MB 880-41907/1-A	Method Blank	Soluble	Solid	DI Leach	
_CS 880-41907/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
_CSD 880-41907/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
390-3651-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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### Job ID: 890-3653-1 SDG: Eddy County NM

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Job ID: 890-3653-1 SDG: Eddy County NM

### Lab Sample ID: 890-3653-1 Matrix: Solid

Lab Sample ID: 890-3653-2

Lab Sample ID: 890-3653-3

Lab Sample ID: 890-3653-4

Matrix: Solid

Matrix: Solid

Date Collected: 12/14/22 00:00 Date Received: 12/14/22 13:35

Client Sample ID: CS-9 (5')

Project/Site: Forehand Ranch

Client: NT Global

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID

### **Client Sample ID: SW-8**

### Date Collected: 12/14/22 00:00

Date Received: 12/14/22 13:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 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	СН	EET MID

### **Client Sample ID: SW-9**

### Date Collected: 12/14/22 00:00

#### Date Received: 12/14/22 13:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 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** Date Collected: 12/14/22 00:00 Date Received: 12/14/22 13:35

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	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** 

### Released to Imaging: 5/16/2024 4:25:11 PM

Matrix: Solid

Job ID: 890-3653-1

Matrix: Solid

SDG: Eddy County NM

Lab Sample ID: 890-3653-4

### Lab Chronicle

Client: NT Global Project/Site: Forehand Ranch

#### Client Sample ID: SW-10 Date Collected: 12/14/22 00:00

Date Received: 12/14/22 13:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			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	СН	EET MID

Laboratory References:

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

Eurofins Carlsbad

Released to Imaging: 5/16/2024 4:25:11 PM

		Accreditation/Co	ertification Summary		
Client: NT Global Project/Site: Forehand F	Ranch			Job ID: 890-3653-1 SDG: Eddy County NM	2
Laboratory: Eurofir Unless otherwise noted, all an		were covered under each acc	reditation/certification below.		
Authority		Program	Identification Number	Expiration Date	
Texas		NELAP	T104704400-22-25	06-30-23	5
• •		but the laboratory is not certif	ied by the governing authority. This list ma	y include analytes for which	
the agency does not offe					
Analysis Method 8015 NM	Prep Method	Matrix Solid	Analyte Total TPH		
Total BTEX		Solid	Total BTEX		
					8
					9
					10
					13

Eurofins Carlsbad

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### **Method Summary**

Client: NT Global Project/Site: Forehand Ranch Job ID: 890-3653-1 SDG: Eddy County NM

lethod	Method Description	Protocol	Laboratory
021B	Volatile Organic Compounds (GC)	SW846	EET MID
otal BTEX	Total BTEX Calculation	TAL SOP	EET MID
015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
00.0	Anions, Ion Chromatography	MCAWW	EET MID
035	Closed System Purge and Trap	SW846	EET MID
015NM Prep	Microextraction	SW846	EET MID
l 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

Client: NT Global Project/Site: Forehand Ranch Job ID: 890-3653-1 SDG: Eddy County NM

_ab Sample ID	Client Sample ID	Matrix	Collected	Received	
390-3653-1	CS-9 (5')	Solid	12/14/22 00:00	12/14/22 13:35	
390-3653-2	SW-8	Solid	12/14/22 00:00	12/14/22 13:35	
390-3653-3	SW-9	Solid	12/14/22 00:00	12/14/22 13:35	
390-3653-4	SW-10	Solid	12/14/22 00:00	12/14/22 13:35	

Revised Date 05012020 Rev. 2020		6					-				5
		4					4	9	-		3
		S	133	2.14.20	12.1		$\Lambda \Lambda$	2 14	1.0		1 Vole
Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Ð	Date/Time		9	Reckived by: (Signature)	Receiv	>	y: (Signature)	Relinquished by:
	nd the control gotiated.	If such losses are due to circumstances beyond the control a terms will be enforced unless previously negotiated.	y the client lyzed. These	s incurred b but not ana	or expenses to Xenco,	bility for any losses	a charge of \$5 for each	nd shall not a project and	to samples at be applied to each	a liable only for the thange of \$85.00 will	protes, signature or this document and tempquanning or simples or one operations were provided in the control of service. Service is the operation of service is a control of service. Service is a control of the operation of service is a control of service in the service is a control of service
	nd conditions	subcontractors it assigns standard terms and conditions	filiates and	fenco lite af		order from client or	itos a valid purchaso				Nation Classes of this
									ts:	Additional Comments:	Additi
			×	×		Comp	×		12/14/2022	10	SW-10
			-	+-	-	Comp	×		12/14/2022	-9	6-MS
			×	×		Comp	×	10	12/14/2022	ά	SW-8
			××	×		Comp	×	2	12/14/2022	(5')	CS-9 (5')
Sample Comments				7.0	# of Cont	Water Comp	Soll	Time	Date	ntification	Sample Identification
NaOH+Ascorbic Acid: SAPC	NaOH					10.4	Corrected Temperature:	Correcte	4		Total Containers:
Zn Acetate+NaOH: Zn		890-3653 Chain of Custory	-			le la	Temperature Reading:	Tempera	NO NIA	als: Yes	Sample Custody Seals:
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	H				Pa	6.0	Correction Factor:	Correctio	NO (NIA)	Ye	Cooler Custody Seals:
NaHSO4: NABIS			de 4	802	aran	FOOM		Thermor	Yes) No	-	Received Intact:
¢: HP	H <sub>3</sub> PO <sub>4</sub> : HP		DRC 500		nete	Yes) No	Wet Ice:	Yes No	emp Blank:		SAMPLE RECEIPT
H <sub>2</sub> NaOH: Na	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>		) + IV		rs	lab, if received by 4:30pm	lab, if receive	)			PO #:
HC HNO3: HN	HCL: HC					TAT starts the day received by the	TAT starts the da		Kellan Smith	x	Sampler's Name:
Cool MeOH: Me	Cool: Cool		, 			24HR	Due Date:	_	Eddy County, NM	Edd	Project Location
NO DI Water: H <sub>2</sub> O	None: NO				Code	<ul> <li>Rush</li> </ul>	Routine		226349		Project Number:
Preservative Codes		ANALYSIS REQUEST				Turn Around	Turn /		Forehand Ranch	For	Project Name:
Other:	Deliverables: EDD ADaPT A	Delive					Email:			281 682-7998	Phone:
	_	Report				City, State ZIP:	0		88220	Carlsbad, NM 88220	City, State ZIP:
_	ן	State				Address:	A		Ave	402 E Wood Ave	Address:
FIRRC Uperfund	Program: UST/PST PRP Brownfields	Progra		Caza		Company Name:	0		nental	NTG Environmental	Company Name:
vents	Work Order Comments					Bill to: (if different)	8		.,	Gordon Banks	Project Manager:
Page 10f1	Work Order No:								ž	ENVIRONMENTA	



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Chain of Custody

Custody Seals Intact: Custody Seal No ∆ Yes ∆ No	]	Relinn ished hr.	Relinquished by	Relinquished by	Empty Kit Belinguished by	Deliverable Requested I II III, IV Other (specify)	Possible Hazard Identification Unconfirmed	Nore: 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/tests/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.	Nato Dinoo laboratan noon-dialing an arkinata tanan 1 and 1					SW-10 (890-3653-4)	SW-9 (890-3653-3)	SW-8 (890-3653-2)	CS-9 (5') (890-3653-1)		Sample Identification - Client ID (Lab ID)		Site	r oped value forehand ranch		Phone: 432-704-5440(Tel)	State, Zip TX, 79701	City Midland	Address 1211 W Florida Ave,	Eurofins Environment Testing South Centr	Shipping/Receiving	Client Information (Sub Contract Lab)	1089 N Canal St. Carlsbad, NM 88220 Phone 575-988-3199 Fax: 575-988-3199	Eurofins Carlsbad
	Date/Time <sup>.</sup>		Date/Time	Date/Time		Primary Deliverable Rank.		nt Testing South Centra bove for analysis/tests/r antral, LLC attention imr						12/14/22	12/14/22	12/14/22	12/14/22	X	Sample Date		SSOW#	Project # 89000132	WO #	PO #:		TAT Requested (days):	Due Date Requested 12/15/2022		Phone	Sampler		10 11
				Date		ble Rank. 2		al LLC places t matrix being ar mediately If al						Mountain	Mountain	Mountain	Mountain	X	Sample Time							iys):	ă				Chain of Custody Record	12
								the ownership analyzed, the sa Il requested ac	-									Preservation Code:	Type (C=comp, G=grab)	Sample											of Cus	<b>13</b> 14
	Company	Company	in the second seco	Company				of method, ana mples must be creditations are						Solid	Solid	Solid	Solid	ion Code:	(W=water S=solid, O=waste/oll, BT=Tissue, A=Alr)	Matrix									E-Mail Jessi	Lab PM Krame	tody R	
				lime	$\mathbf{L}$	<i>n</i>	S	lyte & a shippe currer										$\langle \rangle$	Field Fil Perform			THE REAL PROPERTY AND		9					E-Mail Jessica Kramer@et.eurofinsus	Lab PM Kramer, Jessica	lec	
Co	Rec						Sample Disposal ( A	accredi od back nt to da	-			+		×	×	×	×	$ \bigtriangleup $	300_ORG	000000005.4			2002060000	de		25.2		Accreditations Required (See note). NELAP - Texas	rame	essic	orc	
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						Archive For	fee may be assessed if samples are retained longer than 1 month)	forwarded under cha structions will be prov Environment Testing											Special Ins		Other <sup>.</sup>	K - EDTA L EDA	be DI Water	2	E NaHSO4		Code	Job #: 890-3653-1	Page: Page 1 of 1	COC No. 890-1064 1	🐝 eurofins	
	Company	Company	Company			Months	month)	ain-of-custody If the vided Any changes to g South Central, LLC.											Special Instructions/Note:		:	Y Trizma Z other (specify)	U Acetone V - MCAA	T TSP Dodecahydrate	P Na2O4S Q Na2SO3	N None O AsNaO2	- 1				Environment Testing	

Ver 06/08/2021

	Custody Seals Intact: Custody Seal No	Relinquished by	Relinquished by (		Empty Kit Relinquished by	Deriverable Requested 1, if III IV, Other (specify)	Possible nazard identification	Note Since laboratory accedutations 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/lests/matrix being analyzed the samples must be shipped back to the 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 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 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 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 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 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 attention immediately.						SW-10 (890-3653-4)	SW-9 (890-3653-3)	SW-8 (890-3653-2)	CS-9 (5') (890-3653-1)		Sample Identification - Client ID (Lab ID)	Site	Project Name: Torehand ranch	Email.	432-704-5440(Tel)	State, 20: TX, 79701	Midland	1211 W Florida Ave	Europhans Europhans Environment Testing South Centr	Shipping/Receiving	Client Information (Sub Contract Lab)	Phone 575-988-3199 Fax. 575-988-3199	LUICIIIIS CAISUAU
		Date/Time:	Date/Time:	Date/Time	[ <b>D</b>	Primary Deliverable Rank.		ent Testing South Centr above for analysis/tests >entral LLC attention im						12/14/22	12/14/22	12/14/22	12/14/22	X	Sample Date	SSOW# <sup>.</sup>	Project # 89000132	WO #	PO #		TAT Requested (days):	12/15/2022	7	Phone.	Sampler		1
					Date	able Rank. 2		al, LLC places th /matrix being ana nmediately If all i						Mountain	Mountain	Mountain	Mountain	X	Sample ( Time						tys):	ă				Shain o	1
		Company	Company	Company				<ul> <li>ownership of meth lyzed the samples i requested accredital</li> </ul>						Solid	Solid	Solid	Solid	Preservation Code:	Sample Matrix Type (Newater S=solid, (C=Comp, o=wastevol, G=grab) BT=Tissue, A=Ar											Chain of Custody Record	1
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Substan	emnerati	l by	by.	R		truction	le Disposal ( A : Return To Client	e Eurofir turn the						×	×	×	×	Langer Langer	DRO-MRO 8021B/5035FP_	Calc B	TEX		···				quired (S IS	Leurofi			
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							fee may be assessed if samples are retained longer than 1 month) t Disposal By Lab Archive For Mon	t is forwarded under cha r instructions will be prov fins Environment Testing		<u> 11.0000</u>	<u>tan di an</u>		torran ( 1983	<u>z. 666.30</u>			<u>, 1800</u> 3			Other	L EDA	I Ice J Di Water	MeOn Amchlor Ascorbic Acid	¥ cid	NaOH Zn Acetate	n Code	Job # <sup>.</sup> 890-3653-1	Page. Page 1 of 1	COC No. 890-1064 1	😵 eurofins	8
Ver 06/08/2021		Company	Company	Company			nonth) Months	in-of-custody If the ided Any changes to South Central LLC									- and the stress of the second s		Special Instructions/Nofe			V MCAA	S - H2SO4 T TSP Dodecahydrat	P Na204S Q - Na2S03 R - Na2S203	N None O - AsNaO2	s M - Hexane				Environment Testing	

Page 171 of 253

Job Number: 890-3653-1 SDG Number: Eddy County NM

List Source: Eurofins Carlsbad

### Login Sample Receipt Checklist

Client: NT Global

Login Number: 3653 List Number: 1 Creator: Clifton, Cloe

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	

Job Number: 890-3653-1 SDG Number: Eddy County NM List Source: Eurofins Midland

List Creation: 12/15/22 11:29 AM

### Login Sample Receipt Checklist

Client: NT Global

Login Number: 3653 List Number: 2 Creator: Teel, Brianna

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	True	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").



**Environment Testing** 

# **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

See page two for job notes and contact information

## **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

RAMER

Generated 2/4/2023 9:29:26 AM

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

Laboratory Job ID: 890-3914-1 SDG: 226349

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Sample Summary	33
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	38

Detection Limit (DoD/DOE)

Estimated Detection Limit (Dioxin)

Limit of Detection (DoD/DOE)

Method Detection Limit

Minimum Level (Dioxin)

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present Practical Quantitation Limit

Presumptive Quality Control

Method Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

Limit of Quantitation (DoD/DOE)

Decision Level Concentration (Radiochemistry)

EPA recommended "Maximum Contaminant Level"

Minimum Detectable Concentration (Radiochemistry)

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

Minimum Detectable Activity (Radiochemistry)

### **Definitions/Glossary**

Client: NT Global
Project/Site: Forehand Ranch

DL

DLC

EDL

LOD

LOQ

MCL

MDA

MDC

MDL

ML

MPN

MQL

NC

ND

NEG

POS

PQL PRES

QC RER

RL

RPD

TEF

TEQ

TNTC

DL, RA, RE, IN

Job ID: 890-3914-1 SDG: 226349

Qualifiers		3
GC VOA		
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	
S1-	Surrogate recovery exceeds control limits, low biased.	5
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VO	Α	
Qualifier	Qualifier Description	
*1	LCS/LCSD RPD exceeds control limits.	
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		8
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	9
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	4.0
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	

Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

**Eurofins Carlsbad** 

# Job ID: 890-3914-1 SDG: 226349

4

#### Job ID: 890-3914-1

Client: NT Global

#### Laboratory: Eurofins Carlsbad

Project/Site: Forehand Ranch

#### 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.

RL

MDL Unit

Job ID: 890-3914-1 SDG: 226349

Analyzed

### Client Sample ID: SW-11 (0-4')

Project/Site: Forehand Ranch

Client: NT Global

Analyte

Prepared

D

Lab Sample ID: 890-3914-1 Matrix: Solid Dil F

lia	
Fac	5
1	
1	
1	
1	
1	
1	8
<b>Fac</b> 1 1	ç
1	
Fac 1	
Fac 1	

Date Collected: 01/20/23 08:00 Date Received: 01/20/23 09:57

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

Result Qualifier

Analyte	Result	Quanner			onne		ricpurcu	Analyzeu	Dirruc
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 Calo	ulation							
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 - Dies	el Range Organ	ics (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 - Die Analyte		Qualifier	(GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	-	50.0		mg/Kg		02/02/23 10:56	02/03/23 21:02	1
(GRO)-C6-C10	00.0	•	0010				01,01,20 10100	02,00,20 21.02	·
Diesel Range Organics (Over	58.1		50.0		mg/Kg		02/02/23 10:56	02/03/23 21:02	1
C10-C28)									
Oll 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, lo	n Chromatograp	hy - Solub	le						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	247		5.00		mg/Kg			01/27/23 19:35	1
lient Sample ID: SW-12 (0	-4')						Lah San	nple ID: 890-	3914-2
ate Collected: 01/20/23 08:00							Lab Gai	-	x: Solid
ate Received: 01/20/23 09:57									
Method: SW846 8021B - Volatil	e Organic Comp	ounds (GC	)						
Analyte		Qualifier		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
-		11	0.00404		mg/Kg		02/02/23 09:32	02/02/23 16:59	1
Xylenes, Total	<0.00404	0							
Xylenes, Total Surrogate	<0.00404 <b>%Recovery</b>		Limits				Prepared	Analyzed	Dil Fac
							Prepared	Analyzed	Dil Fac

Eurofins Carlsbad

### **Client Sample Results**

Job ID: 890-3914-1 SDG: 226349

Matrix: Solid

Matrix: Solid

5

Lab Sample ID: 890-3914-2

### Client Sample ID: SW-12 (0-4')

Date Collected: 01/20/23 08:00 Date Received: 01/20/23 09:57

Project/Site: Forehand Ranch

Client: NT Global

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 Organ	ics (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 - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U *1	49.9		mg/Kg		02/02/23 10:56	02/03/23 22:02	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		02/02/23 10:56	02/03/23 22:02	1
C10-C28)									
Oll 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	Chromatograp	hy - Solubl	e						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13600		101		mg/Kg			01/27/23 19:40	20

Date Collected: 01/20/23 08:00

Date Received: 01/20/23 09:57

Organic Comp	ounds (GC)							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00202	U	0.00202		mg/Kg		02/02/23 09:32	02/02/23 17:20	1
<0.00202	U	0.00202		mg/Kg		02/02/23 09:32	02/02/23 17:20	1
<0.00202	U	0.00202		mg/Kg		02/02/23 09:32	02/02/23 17:20	1
<0.00403	U	0.00403		mg/Kg		02/02/23 09:32	02/02/23 17:20	1
<0.00202	U	0.00202		mg/Kg		02/02/23 09:32	02/02/23 17:20	1
<0.00403	U	0.00403		mg/Kg		02/02/23 09:32	02/02/23 17:20	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
112		70 - 130				02/02/23 09:32	02/02/23 17:20	1
112		70 - 130				02/02/23 09:32	02/02/23 17:20	1
	Result           <0.00202	Result         Qualifier           <0.00202	<0.00202	Result         Qualifier         RL         MDL           <0.00202	Result         Qualifier         RL         MDL         Unit           <0.00202	Result         Qualifier         RL         MDL         Unit         D           <0.00202	Result         Qualifier         RL         MDL         Unit         D         Prepared           <0.00202	Result         Qualifier         RL         MDL         Unit         D         Prepared         Analyzed           <0.00202

Method: TAL SOP Total BTEX -	Total BTEX Calo	culation							
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 - Dies	el Range Organ	ics (DRO) (0	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 - Die	esel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U *1	50.0		mg/Kg		02/02/23 10:56	02/03/23 22:23	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		02/02/23 10:56	02/03/23 22:23	1
C10-C28)									

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#### **Client Sample Results**

Job ID: 890-3914-1 SDG: 226349

Matrix: Solid

Matrix: Solid

5

12 13

Lab Sample ID: 890-3914-3

#### Client Sample ID: SW-13 (0-4')

Project/Site: Forehand Ranch

Client: NT Global

Date Collected: 01/20/23 08:00 Date Received: 01/20/23 09:57

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/23 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	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6170		50.2		mg/Kg			01/27/23 19:45	10

Date Collected: 01/20/23 08:00

Date Received: 01/20/23 09:57

Method: SW846 8021B - Volati	le Organic Comp	ounds (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 R	ange Organ	ics (DRO) (O	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	<50.0	U *1	50.0		mg/Kg		02/02/23 10:56	02/03/23 22:44	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		02/02/23 10:56	02/03/23 22:44	1
C10-C28)									
Oll 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	Chromatograp	ohy - Solubl	е						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	311		4.98		mg/Kg			01/27/23 19:49	1

Job ID: 890-3914-1 SDG: 226349

Matrix: Solid

Lab Sample ID: 890-3914-6

#### Client Sample ID: CS-13 (4')

Date Collected: 01/20/23 08:00 Date Received: 01/20/23 09:57

Project/Site: Forehand Ranch

Client: NT Global

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 - To	otal BTEX Calo	culation							
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 - Diese	Range Organ	ics (DRO) (G	C)						
Analyte		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 - Dies	el Range Orga	nics (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
Oll 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									
Analyte	Result	Qualifier	RL	MDL		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 Sar	nple ID: 890-	3914-7
ate Collected: 01/20/23 08:00								Matri	x: Solid
ate Received: 01/20/23 09:57									
Method: SW846 8021B - Volatile (	• •	ounds (GC) Qualifier	RL	МП	Unit	D	Proparad	Analyzed	Dil Fac
Analyte Benzene	<0.00200		0.00200		mg/Kg		Prepared 02/02/23 09:32	02/02/23 18:22	1
Toluene	<0.00200		0.00200				02/02/23 09:32	02/02/23 18:22	1
Ethylbenzene	<0.00200		0.00200		mg/Kg mg/Kg		02/02/23 09:32	02/02/23 18:22	1
m-Xylene & p-Xylene	<0.00401		0.00401		mg/Kg		02/02/23 09:32	02/02/23 18:22	
o-Xylene Xylenes, Total	<0.00200 <0.00401		0.00200 0.00401		mg/Kg mg/Kg		02/02/23 09:32 02/02/23 09:32	02/02/23 18:22 02/02/23 18:22	1
					5 5				
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Released to Imaging: 5/16/2024 4:25:11 PM

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

70 - 130

70 - 130

123

105

# 12 13 1*4*

#### **Client Sample Results**

Job ID: 890-3914-1 SDG: 226349

Matrix: Solid

5

Lab Sample ID: 890-3914-7

#### Client Sample ID: CS-14 (4')

Date Collected: 01/20/23 08:00 Date Received: 01/20/23 09:57

Project/Site: Forehand Ranch

Client: NT Global

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 - Diese	Range Organ	ics (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 - Dies	el Range Orga	nics (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	<49.9	U	49.9		mg/Kg		02/02/23 10:56	02/03/23 23:25	1
C10-C28)									
Oll 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	Chromatograp	hy - Solubl	e						
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')

Date Collected: 01/20/23 08:00 Date Received: 01/20/23 09:57

#### Lab Sample ID: 890-3914-8 Matrix: Solid

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

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 - Dies	el Range Organ	ics (DRO) (O	SC)						
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 - Di	esel Range Orga	nics (DRO)	(GC)						
Wethou. 30040 0013D NW - DI									
		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte		Qualifier		MDL	Unit mg/Kg	<u>D</u>	Prepared 02/02/23 10:56	Analyzed 02/03/23 23:46	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result	Qualifier		MDL		<u> </u>	•		Dil Fac 1

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C10-C28)

#### **Client Sample Results**

Job ID: 890-3914-1 SDG: 226349

Matrix: Solid

Matrix: Solid

5

12 13

Lab Sample ID: 890-3914-8

#### Client Sample ID: CS-15 (4')

Date Collected: 01/20/23 08:00 Date Received: 01/20/23 09:57

Project/Site: Forehand Ranch

Client: NT Global

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 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	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117		4.97		mg/Kg			01/27/23 20:13	1

Date Collected: 01/20/23 08:00

Date Received: 01/20/23 09:57

Method: SW846 8021B - Volati	le Organic Comp	ounds (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 F	Range Organ	ics (DRO) (O	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	<49.9	U *1	49.9		mg/Kg		02/02/23 10:56	02/04/23 00:07	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		02/02/23 10:56	02/04/23 00:07	1
C10-C28)									
Oll 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	Chromatograp	ohy - Solubl	е						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.5		5.03		mg/Kg			01/27/23 20:28	1

Job ID: 890-3914-1 SDG: 226349

Matrix: Solid

5

Lab Sample ID: 890-3914-10

#### Client Sample ID: CS-17 (4') Date Collected: 01/20/23 08:00

Date Received: 01/20/23 09:57

Project/Site: Forehand Ranch

Client: NT Global

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	
Toluene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:32	02/02/23 19:24	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:32	02/02/23 19:24	
n-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/02/23 09:32	02/02/23 19:24	
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/02/23 09:32	02/02/23 19:24	
Xylenes, Total	<0.00401		0.00401		mg/Kg		02/02/23 09:32	02/02/23 19:24	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)			70 - 130				02/02/23 09:32	02/02/23 19:24	
1,4-Difluorobenzene (Surr)	106		70 - 130				02/02/23 09:32	02/02/23 19:24	-
Method: TAL SOP Total BTEX - T	otal BTEX Calo	culation							
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	
Method: SW846 8015 NM - Diese	Range Organ	ics (DRO) (G	C)						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fotal TPH			49.9		mg/Kg			02/04/23 09:40	
Gasoline Range Organics GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		02/02/23 10:56	02/04/23 00:27	
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	105		49.9		mg/Kg		02/02/23 10:56	02/04/23 00:27	
C10-C28)	100		10.0		mg/rtg		02/02/20 10:00	02/01/20 00:27	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 10:56	02/04/23 00:27	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	74		70 - 130				02/02/23 10:56	02/04/23 00:27	
p-Terphenyl	75		70 - 130				02/02/23 10:56	02/04/23 00:27	
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	208		25.0		mg/Kg			01/27/23 20:33	Ę
lient Sample ID: CS-18 (4')							Lab Sam	ple ID: 890-3	914-11
ate Collected: 01/20/23 08:00								Matri	x: Solic
ate Received: 01/20/23 09:57									
		ounds (GC)							
Method: SW846 8021B - Volatile	Organic Comp								
	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	• •		RL 0.00198	MDL	Unit mg/Kg	<u>D</u>	Prepared 02/02/23 09:32	Analyzed 02/02/23 19:45	-
Method: SW846 8021B - Volatile Analyte Benzene Toluene	Result	Qualifier		MDL		<u>D</u>			Dil Fac

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**

Job ID: 890-3914-1 SDG: 226349

Matrix: Solid

5

#### Client Sample ID: CS-18 (4')

Date Collected: 01/20/23 08:00 Date Received: 01/20/23 09:57

Project/Site: Forehand Ranch

Client: NT Global

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 - Diese	I Range Organ	ics (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 - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U *1	50.0		mg/Kg		02/02/23 10:56	02/04/23 00:48	1
(GRO)-C6-C10									
Diesel Range Organics (Over	60.0		50.0		mg/Kg		02/02/23 10:56	02/04/23 00:48	1
C10-C28)									
Oll 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	Chromatograp	hy - Solubl	e						
Analyte	• •	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')

Date Collected: 01/20/23 08:00

Lab Sample ID: 890-3914-12 Matrix: Solid

Date Received: 01/20/23 09:57

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)			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

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 - Dies	el Range Organ	ics (DRO) (G	SC)						
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 - Die	esel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U *1	49.9		mg/Kg		02/02/23 10:56	02/04/23 01:29	1
(GRO)-C6-C10									
Diesel Range Organics (Over	198		49.9		mg/Kg		02/02/23 10:56	02/04/23 01:29	1

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Lab Sample ID: 890-3914-11

#### **Client Sample Results**

Job ID: 890-3914-1 SDG: 226349

Lab Sample ID: 890-3914-12

#### Client Sample ID: CS-19 (4')

Date Collected: 01/20/23 08:00 Date Received: 01/20/23 09:57

Project/Site: Forehand Ranch

Client: NT Global

Method: SW846 8015B NM - Diese Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa
Oll Range Organics (Over C28-C36)	<49.9		49.9		mg/Kg		02/02/23 10:56	02/04/23 01:29	
Surrogata	%Recovery	Qualifiar	Limits				Bronorod	Analyzad	Dil Fa
Surrogate 1-Chlorooctane	77	Quaimer	70 - 130				Prepared 02/02/23 10:56	Analyzed 02/04/23 01:29	
o-Terphenyl	82		70 - 130 70 - 130				02/02/23 10:56	02/04/23 01:29	
Method: EPA 300.0 - Anions, Ion C						_			
Analyte Chloride		Qualifier	RL	MDL	Unit mg/Kg	D	Prepared	Analyzed 01/27/23 20:42	Dil Fa
-	009		49.7		ilig/itg				
Client Sample ID: CS-20 (4')							Lab Sam	ple ID: 890-3	914-1
ate Collected: 01/20/23 08:00 ate Received: 01/20/23 09:57								Matri	x: Soli
Method: SW846 8021B - Volatile O	Proanic Comp	ounds (GC)	)						
Analyte	• •	Qualifier	, RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		02/02/23 12:47	02/03/23 00:45	
Toluene	<0.00200	U	0.00200		mg/Kg		02/02/23 12:47	02/03/23 00:45	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/02/23 12:47	02/03/23 00:45	
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/02/23 12:47	02/03/23 00:45	
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/02/23 12:47	02/03/23 00:45	
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/02/23 12:47	02/03/23 00:45	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
4-Bromofluorobenzene (Surr)	107		70 - 130				02/02/23 12:47	02/03/23 00:45	
1,4-Difluorobenzene (Surr)	84		70 - 130				02/02/23 12:47	02/03/23 00:45	
Method: TAL SOP Total BTEX - To	tal BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/03/23 09:11	
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9		mg/Kg			02/04/23 09:40	
Method: SW846 8015B NM - Diese	l Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
Gasoline Range Organics	<49.9	U *1	49.9		mg/Kg		02/02/23 10:56	02/04/23 01:49	
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/23 10:56	02/04/23 01:49	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/23 10:56	02/04/23 01:49	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
1-Chlorooctane	73		70 - 130				02/02/23 10:56	02/04/23 01:49	
a Tarabaaud	75		70 - 130				02/02/23 10:56	02/04/23 01:49	
o-reiphenyi									
	Chromatograp	ohy - Solubl	le						
o-Terphenyl Method: EPA 300.0 - Anions, Ion C Analyte		hy - Solubl Qualifier	e	MDL	Unit	D	Prepared	Analyzed	Dil F

Matrix: Solid

Client: NT Global Project/Site: Forehand Ranch

#### Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(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			

#### Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

#### Matrix: Solid

Percent Surrogate Recovery (Acceptance Limits) 1CO1 OTPH1 (70-130) (70-130) Lab Sample ID **Client Sample ID** 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 83 SW-13 (0-4') 84 890-3914-4 SW-14 (0-4') 84 86 890-3914-6 86 89 CS-13 (4') 890-3914-7 CS-14 (4') 76 77 890-3914-8 CS-15 (4') 75 76 76 77 890-3914-9 CS-16 (4') 890-3914-10 CS-17 (4') 74 75 70 72 890-3914-11 CS-18 (4') 890-3914-12 CS-19 (4') 77 82 73 75 890-3914-13 CS-20 (4') 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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Prep Type: Total/NA

5

6

|2 |3

Prep Type: Total/NA

#### Surrogate Summary

Client: NT Global				Job ID: 890-3914-1	
Project/Site: Forehand	Ranch			SDG: 226349	
Method: 8015B NM	I - Diesel Range Organ	ics (DRO) (GC	) (Conti	nued)	
Matrix: Solid				Prep Type: Total/NA	
				Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		5
MB 880-45246/1-A	Method Blank	109	113		
Surrogate Legend					6
1CO = 1-Chlorooctane					
OTPH = o-Terphenyl					
					8
					9
					13

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.

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							Client Sa	ample ID: Met		
Matrix: Solid									Prep Type		
Analysis Batch: 45230									Prep Ba	tch: 4	1523
	N	IB MB									
Analyte		ult Qualifier	RL		MDL Unit		D F	repared	Analyzed		Dil Fa
Benzene	< 0.002		0.00200		mg/Kg		02/0	02/23 09:32	02/02/23 11:4	4	
Toluene	<0.002	00 U	0.00200		mg/Kg		02/0	02/23 09:32	02/02/23 11:4	4	
Ethylbenzene	<0.002	00 U	0.00200		mg/Kg		02/0	02/23 09:32	02/02/23 11:4	4	
m-Xylene & p-Xylene	<0.004	00 U	0.00400		mg/Kg		02/0	02/23 09:32	02/02/23 11:4	4	
o-Xylene	<0.002	00 U	0.00200		mg/Kg		02/0	02/23 09:32	02/02/23 11:4	4	
Xylenes, Total	<0.004	00 U	0.00400		mg/Kg		02/0	02/23 09:32	02/02/23 11:4	4	
	Λ	IB MB									
Surrogate	%Recove	ry Qualifier	Limits				F	Prepared	Analyzed		Dil F
4-Bromofluorobenzene (Surr)		89	70 - 130				02/0	02/23 09:32	02/02/23 11:4	4	
1,4-Difluorobenzene (Surr)	:	92	70 - 130				02/0	02/23 09:32	02/02/23 11:4	4	
Lab Sample ID: LCS 880-45239	9/1-A						Clien	t Sample	ID: Lab Conti	ol Sa	mp
Matrix: Solid									Prep Type	: Tot	al/N
Analysis Batch: 45230									Prep Ba	tch: 4	152
-			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%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		
			0.200	0.1783		mg/Kg		89	70 - 130		
						ing/itg		00	10 = 100		
m-Xylene & p-Xylene				0 08955		ma/Ka		90	70 130		
o-Xylene			0.100	0.08955		mg/Kg		90	70 - 130		
	LCS L	cs		0.08955		mg/Kg		90	70 - 130		
o-Xylene		CS Jualifier	0.100 <i>Limits</i>	0.08955		mg/Kg		90	70 - 130		
o-Xylene			0.100	0.08955		mg/Kg		90	70 - 130		
	%Recovery		0.100 <i>Limits</i>	0.08955		mg/Kg		90	70 - 130		
o-Xylene Surrogate 4-Bromofluorobenzene (Surr)	%Recovery G 101 101		0.100 Limits 70 - 130	0.08955			ent San		70 - 130 ab Control Sa	ample	÷Dι
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	%Recovery G 101 101		0.100 Limits 70 - 130	0.08955			ent San				
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-4523	%Recovery G 101 101		0.100 Limits 70 - 130	0.08955			ent San		ab Control Sa	: Tot	al/N
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-4523 Matrix: Solid	%Recovery G 101 101		0.100 Limits 70 - 130		LCSD		ent San		ab Control Sa Prep Type	: Tot	al/N 152:
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-4523 Matrix: Solid Analysis Batch: 45230	%Recovery G 101 101		0.100 Limits 70 - 130 70 - 130	LCSD	LCSD Qualifier		ent San		ab Control Sa Prep Type Prep Ba %Rec	: Tot	al/N 152: Ri
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-4523 Matrix: Solid	%Recovery G 101 101		0.100 <i>Limits</i> 70 - 130 70 - 130 <b>Spike</b>	LCSD		Cli		nple ID: L	ab Control Sa Prep Type Prep Ba %Rec	e: Tot tch: 4	al/N 152: Ri Lir
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-4523 Matrix: Solid Analysis Batch: 45230 Analyte	%Recovery G 101 101		0.100 Limits 70 - 130 70 - 130 Spike Added	LCSD Result		Cli Unit mg/Kg		nple ID: L %Rec	ab Control Sa Prep Type Prep Ba %Rec Limits I	e: Tot tch: 4	al/N 1523 RF Lin
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-452: Matrix: Solid Analysis Batch: 45230 Analyte Benzene Toluene	%Recovery G 101 101		0.100 Limits 70 - 130 70 - 130 <b>Spike</b> Added 0.100 0.100	LCSD Result 0.08733		Cli Unit mg/Kg mg/Kg		nple ID: L 	ab Control Sa Prep Type Prep Ba %Rec Limits 70 - 130 70 - 130	rot tch: 4 RPD 3 9	al/N 1523 RF Lin
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-4523 Matrix: Solid Analysis Batch: 45230 Analyte Benzene Toluene Ethylbenzene	%Recovery G 101 101		0.100 Limits 70 - 130 70 - 130 <b>Spike</b> Added 0.100 0.100 0.100	LCSD Result 0.08733 0.08069 0.07295		Cli Unit mg/Kg mg/Kg mg/Kg		<b>%Rec</b> 87 81 73	ab Control Sa Prep Type Prep Ba %Rec Limits 1 70 - 130 70 - 130 70 - 130	<b>RPD</b> 3 9 15	al/N 1523 RF Lin
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-452: Matrix: Solid Analysis Batch: 45230 Analyte Benzene Toluene	%Recovery G 101 101		0.100 Limits 70 - 130 70 - 130 <b>Spike</b> Added 0.100 0.100	LCSD Result 0.08733 0.08069		Cli Unit mg/Kg mg/Kg mg/Kg mg/Kg		<mark>- %Rec</mark> 87 81	ab Control Sa Prep Type Prep Ba %Rec Limits 70 - 130 70 - 130	rot tch: 4 RPD 3 9	al/N 1523 RF Lin
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-4523 Matrix: Solid Analysis Batch: 45230 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	%Recovery 4 101 101 39/2-A	ualifier	0.100 Limits 70 - 130 70 - 130 <b>Spike</b> Added 0.100 0.100 0.100 0.200	LCSD Result 0.08733 0.08069 0.07295 0.1576		Cli Unit mg/Kg mg/Kg mg/Kg		<b>%Rec</b> 87 81 73 79	ab Control Sa Prep Type Prep Ba %Rec Limits 1 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	<b>RPD</b> 3 9 15 12	al/N 1523 RF Lin
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-4523 Matrix: Solid Analysis Batch: 45230 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	<u>%Recovery</u> 0 101 101 39/2-A 	CSD	0.100 Limits 70 - 130 70 - 130 <b>Spike</b> Added 0.100 0.100 0.100 0.200 0.100	LCSD Result 0.08733 0.08069 0.07295 0.1576		Cli Unit mg/Kg mg/Kg mg/Kg mg/Kg		<b>%Rec</b> 87 81 73 79	ab Control Sa Prep Type Prep Ba %Rec Limits 1 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	<b>RPD</b> 3 9 15 12	al/N 1523 RF Lin
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-4523 Matrix: Solid Analysis Batch: 45230 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate	<u>%Recovery</u> 101 101 39/2-A   LCSD L %Recovery Q	ualifier	0.100 Limits 70 - 130 70 - 130 70 - 130 Spike Added 0.100 0.100 0.100 0.200 0.100 0.100 Limits	LCSD Result 0.08733 0.08069 0.07295 0.1576		Cli Unit mg/Kg mg/Kg mg/Kg mg/Kg		<b>%Rec</b> 87 81 73 79	ab Control Sa Prep Type Prep Ba %Rec Limits 1 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	<b>RPD</b> 3 9 15 12	al/N 1523 RF Lin
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-4523 Matrix: Solid Analysis Batch: 45230 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	<u>%Recovery</u> 0 101 101 39/2-A 	CSD	0.100 Limits 70 - 130 70 - 130 <b>Spike</b> Added 0.100 0.100 0.100 0.200 0.100	LCSD Result 0.08733 0.08069 0.07295 0.1576		Cli Unit mg/Kg mg/Kg mg/Kg mg/Kg		<b>%Rec</b> 87 81 73 79	ab Control Sa Prep Type Prep Ba %Rec Limits 1 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	<b>RPD</b> 3 9 15 12	al/N 1523 RF Lin
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-4523 Matrix: Solid Analysis Batch: 45230 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	%Recovery         Q           101         101           39/2-A	CSD	0.100 Limits 70 - 130 70 - 130 70 - 130 Spike Added 0.100 0.100 0.100 0.200 0.100 0.200 0.100 Limits 70 - 130	LCSD Result 0.08733 0.08069 0.07295 0.1576		Cli Unit mg/Kg mg/Kg mg/Kg mg/Kg		<b>%Rec</b> 87 81 73 79 80	ab Control Sa Prep Type Prep Ba %Rec Limits 1 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	2: Tot tch: 4 3 9 15 12 11	al/N 4523 Rf Lin
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-4523 Matrix: Solid Analysis Batch: 45230 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 890-3952-A-1-E	%Recovery         Q           101         101           39/2-A	CSD	0.100 Limits 70 - 130 70 - 130 70 - 130 Spike Added 0.100 0.100 0.100 0.200 0.100 0.200 0.100 Limits 70 - 130	LCSD Result 0.08733 0.08069 0.07295 0.1576		Cli Unit mg/Kg mg/Kg mg/Kg mg/Kg		<b>%Rec</b> 87 81 73 79 80	ab Control Sa Prep Type Prep Ba %Rec Limits 1 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	<b>RPD</b> 3 9 15 12 11	al/N 1523 RF Lin
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-4523 Matrix: Solid Analysis Batch: 45230 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 890-3952-A-1-I Matrix: Solid	%Recovery         Q           101         101           39/2-A	CSD	0.100 Limits 70 - 130 70 - 130 70 - 130 Spike Added 0.100 0.100 0.100 0.200 0.100 0.200 0.100 Limits 70 - 130	LCSD Result 0.08733 0.08069 0.07295 0.1576		Cli Unit mg/Kg mg/Kg mg/Kg mg/Kg		<b>%Rec</b> 87 81 73 79 80	ab Control Sa Prep Type Prep Ba %Rec Limits 1 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	e: Tot tch: 4 RPD 3 9 15 12 11 11 11 12 11	al/N 152: RI Lir Spil
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-4523 Matrix: Solid Analysis Batch: 45230 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 890-3952-A-1-E	%Recovery         Q           101         101           39/2-A         -	CSD Dualifier	0.100 Limits 70 - 130 70 - 130 70 - 130 Spike Added 0.100 0.100 0.100 0.200 0.100 0.200 0.100 Uimits 70 - 130 70 - 130	LCSD Result 0.08733 0.08069 0.07295 0.1576 0.08016	Qualifier	Cli Unit mg/Kg mg/Kg mg/Kg mg/Kg		<b>%Rec</b> 87 81 73 79 80	ab Control Sa Prep Type Prep Ba %Rec Limits 1 70 - 130 70 - 190 70	e: Tot tch: 4 RPD 3 9 15 12 11 11 11 12 11	al/N 4523 RF Lin
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-4523 Matrix: Solid Analysis Batch: 45230 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 890-3952-A-1-I Matrix: Solid Analysis Batch: 45230	%Recovery         Q           101         101           39/2-A         -           LCSD         L           %Recovery         Q           %89         -           DMS         Sample         S	CSD bualifier	0.100  Limits 70 - 130 70 - 130 70 - 130  Spike Added 0.100 0.100 0.100 0.200 0.100  Limits 70 - 130 70 - 130 70 - 130 Spike	LCSD Result 0.08733 0.08069 0.07295 0.1576 0.08016	Qualifier	Cli mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	%Rec	ab Control Sa Prep Type Prep Ba %Rec Limits I 70 - 130 70 - 190 70	e: Tot tch: 4 RPD 3 9 15 12 11 11 11 12 11	al/N 4523 RF Lin
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: LCSD 880-4523 Matrix: Solid Analysis Batch: 45230 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 890-3952-A-1-I Matrix: Solid	%Recovery         Q           101         101           39/2-A         -	ample ualifier	0.100 Limits 70 - 130 70 - 130 70 - 130 Spike Added 0.100 0.100 0.100 0.200 0.100 0.200 0.100 Uimits 70 - 130 70 - 130	LCSD Result 0.08733 0.08069 0.07295 0.1576 0.08016	Qualifier	Cli Unit mg/Kg mg/Kg mg/Kg mg/Kg		<b>%Rec</b> 87 81 73 79 80	ab Control Sa Prep Type Prep Ba %Rec Limits 1 70 - 130 70 - 190 70	e: Tot tch: 4 RPD 3 9 15 12 11 11 11 12 11	al/N 4523 RF Lim

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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									Clie		le ID: Mat		
Matrix: Solid											P	rep Type:	Total/	/NA
Analysis Batch: 45230												Prep Bato	h: 452	239
	Sample	Sam	ple	Spike	MS	MS					%Re	C		
Analyte	Result		lifier	Added	Result	Qual	lifier	Unit		D %Rec	Limi	ts		
Ethylbenzene	<0.00202	U		0.101	0.09122			mg/Kg		90	) 70-	130		
n-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	3 70 -	130		
	MS													
Surrogate	%Recovery	Qua	lifier	Limits										
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	88 100			70 - 130 70 - 130										
										0	ID: Mat	in Online F		
Lab Sample ID: 890-3952-A-	1-E WISD							, c	lien	Sample		rix Spike [		
Matrix: Solid												rep Type:		
Analysis Batch: 45230	Sample	6	nla	Spike	MSD	MSD					%Re	Prep Bato		23 RPI
A	Result			Spike				11						
Analyte Benzene				Added	Result 0.09754	Qua	imer			D %Rec 97			<u>8</u>	im. 3
Toluene	< 0.00202			0.0996				mg/Kg		97				
	<0.00202			0.0996	0.09016 0.08326			mg/Kg mg/Kg		84			7 9	3
Ethylbenzene														
m-Xylene & p-Xylene o-Xylene	<0.00404 <0.00202			0.199 0.0996	0.1719 0.08604			mg/Kg mg/Kg		86 86			0 9	3
э-дуюне	<0.00202	0		0.0990	0.00004			mg/rtg		00	, 10-	150	9	5
	MSD	MSE	)											
Surrogate	%Recovery	Qua	lifier	Limits										
4-Bromofluorobenzene (Surr)	91			70 - 130										
1,4-Difluorobenzene (Surr)	98			70 - 130										
Lab Sample ID: MB 880-452	41/5-A									Client	t Sample	e ID: Meth	od Bla	an
Matrix: Solid											P	rep Type:	Total/	/N.
Analysis Batch: 45231												Prep Bato	h: 452	24
		MB	MB											
Analyte	R	esult	Qualifier	RL		MDL	Unit		D	Prepared	I	Analyzed	Dil	Fa
Benzene	<0.0	0200	U	0.00200	)		mg/Kg		0	02/02/23 09	:35 02/	02/23 11:46		
Toluene	<0.0	0200	U	0.00200	)		mg/Kg		C	02/02/23 09	:35 02/	02/23 11:46		
Ethylbenzene	<0.00	0200	U	0.00200	)		mg/Kg		C	02/02/23 09	:35 02/	02/23 11:46		
m-Xylene & p-Xylene	<0.0	0400	U	0.00400	)		mg/Kg		C	02/02/23 09	:35 02/	02/23 11:46		
o-Xylene	<0.00	0200	U	0.00200	)		mg/Kg		C	02/02/23 09	:35 02/	02/23 11:46		
Xylenes, Total	<0.0	0400	U	0.00400	)		mg/Kg		C	02/02/23 09	:35 02/	02/23 11:46		
		ΜВ	МВ											
Surrogate	%Reco	overy	Qualifier	Limits						Prepared	<b>i</b> .	Analyzed	Dil	Fa
4-Bromofluorobenzene (Surr)		75		70 - 130	-				6	02/02/23 09	:35 02	02/23 11:46		
1,4-Difluorobenzene (Surr)		92		70 - 130					0	02/02/23 09	:35 02/	02/23 11:46		
	60/5-A									Client	t Sample	e ID: Meth	od Bla	an
Lab Sample ID: MB 880-452														
•											P	rep Type:	Total/	/N
Matrix: Solid												rep Type: Prep Bato		
Lab Sample ID: MB 880-452 Matrix: Solid Analysis Batch: 45231		мв	МВ									rep Type: Prep Bato		

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/02/23 12:47	02/02/23 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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Project/Site: Forehand Ranch

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

Lab Sample ID: MB 880-45260/5-A Matrix: Solid										Client Sa	mple ID: Metho Prep Type:	
Analysis Batch: 45231											Prep Batc	h: <b>45260</b>
	MB	МВ										
Analyte	Result	Qualifier	R	-	MDL	Unit		D	Р	repared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.0020	)		mg/Kg		_	02/0	2/23 12:47	02/02/23 22:21	1
Xylenes, Total	<0.00400	U	0.0040	)		mg/Kg			02/0	2/23 12:47	02/02/23 22:21	1
	МВ	МВ										
Surrogate	%Recovery	Qualifier	Limits						Р	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130	-					02/0	2/23 12:47	02/02/23 22:21	1
1,4-Difluorobenzene (Surr)	91		70 - 130						02/0	2/23 12:47	02/02/23 22:21	1
								С	lient	Sample I	D: Lab Control	Sample
Matrix: Solid											Prep Type:	Total/NA
Analysis Batch: 45231											Prep Batc	
			Spike	LCS	LCS						%Rec	
Analyte			Added	Result	Qua	lifier	Unit		D	%Rec	Limits	
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	

0.100

0.1087

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
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

o-Xylene

# Prep Type: Total/NA Prep Batch: 45260 Spike LCSD LCSD %Rec RPD Added Result Qualifier Unit D %Rec Limits

109

70 - 130

Client Sample ID: Lab Control Sample Dup

mg/Kg

Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	RPD	Limit
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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
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									Prep B	atch: 45260
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
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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**Client Sample ID: Matrix Spike** 

Prep Type: Total/NA

#### **QC Sample Results**

Client: NT Global Project/Site: Forehand Ranch

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

#### Lab Sample ID: 880-23958-A-1-E MS

#### Matrix: Solid Analysis Batch: 45231

	MS I	ИS	
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									Prep	Batch:	45260
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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										Client Sa	ample ID: Me	thod Blank
Matrix: Solid												e: Total/NA
Analysis Batch: 45303											Prep B	atch: 45246
	MB	MB										
Analyte	Result	Qualifier	RL	I	MDL	Unit		D	P	repared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9			mg/Kg			02/0	2/23 10:56	02/03/23 20:	00 1
(GRO)-C6-C10												
Diesel Range Organics (Over	<49.9	U	49.9			mg/Kg		(	02/0	2/23 10:56	02/03/23 20:	00 1
C10-C28)												
Oll Range Organics (Over C28-C36)	<49.9	U	49.9			mg/Kg		(	02/0	2/23 10:56	02/03/23 20:	00 1
	МВ	МВ										
Surrogate	%Recovery	Qualifier	Limits						P	repared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130					_	02/0	2/23 10:56	02/03/23 20:	00 1
o-Terphenyl	113		70 - 130						02/0	2/23 10:56	02/03/23 20:	00 1
- Lab Sample ID: LCS 880-45246/2-A								Cli	ent	Sample	ID: Lab Con	trol Sample
Matrix: Solid											Prep Tvr	be: Total/NA
Analysis Batch: 45303												atch: 45246
· ·····, ···· · ····			Spike	LCS	LCS						%Rec	
Analyte			Added	Result	Qual	ifier	Unit		D	%Rec	Limits	
Gasoline Range Organics			999	939.7			mg/Kg		_	94	70 - 130	
(GRO)-C6-C10												

	LCS L	cs	
Surrogate	%Recovery Q	ualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	90		70 - 130

Prep Type: Total/NA

Diesel Range Organics (Over

C10-C28)

999

1084

mg/Kg

70 - 130

#### **QC Sample Results**

Client: NT Global Project/Site: Forehand Ranch

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

Lab Sample ID: LCSD 880-45	246/3-A					Clier	nt Sam	ple ID: I	Lab Contro	l Sampl	e Dup
Matrix: Solid									Prep 1	Type: To	tal/NA
Analysis Batch: 45303									Prep	Batch:	45246
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Gasoline Range Organics			999	740.5	*1	mg/Kg		74	70 - 130	24	20
(GRO)-C6-C10											
Diesel Range Organics (Over			999	953.5		mg/Kg		95	70 - 130	13	20
C10-C28)											
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	89		70 - 130								
o-Terphenyl	86		70 - 130								
Lab Sample ID: 890-3914-1 M	S							Client	t Sample ID	): SW-11	(0-4')
Matrix: Solid										Type: To	
Analysis Batch: 45303										Batch:	
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	<50.0		1000	890.2		mg/Kg		89	70 - 130		
(GRO)-C6-C10											
Diesel Range Organics (Over	58.1		1000	981.4		mg/Kg		92	70 - 130		
C10-C28)						0 0					
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	87		70 - 130								
o-Terphenyl	78		70 - 130								
Lab Sample ID: 890-3914-1 M	SD							Client	t Sample ID		
Matrix: Solid										Гуре: То	
Analysis Batch: 45303										Batch:	
		Sample	Spike		MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	998	893.0		mg/Kg		89	70 - 130	0	20
Diesel Range Organics (Over	58.1		998	984.9		mg/Kg		93	70 - 130	0	2
5 5 (											
	MSD	MSD									
C10-C28)	MSD %Recovery		Limits								
C10-C28) Surrogate 1-Chlorooctane			Limits								

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-44760/1-A Matrix: Solid Analysis Batch: 44877							Client Sa	ample ID: Metho Prep Type:	
,	МВ	МВ							
Analyte	Result	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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Project/Site: Forehand Ranch

#### Method: 300.0 - Anions, Ion Chromatography (Continued)

_ 	4700/0 4						0	0			
Lab Sample ID: LCS 880-4 Matrix: Solid	4100/2-A						Client	Sample	ID: Lab C	Type: S	
Analysis Batch: 44877									Flep	Type. 5	oluble
Analysis Datch. 44077			Spike	LCS	LCS				%Rec		
Analyte			Added		Qualifier	Unit	D	%Rec	Limits		
Chloride			250	273.5	Quanner	mg/Kg		109	90 - 110		
			200	210.0		mg/rtg		100	50 - 110		
Lab Sample ID: LCSD 880	-44760/3-A					Clier	nt Sam	ple ID:	Lab Contro	ol Sampl	e Dup
Matrix: Solid								· · · ·		Type: S	
Analysis Batch: 44877										~ •	
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	274.9		mg/Kg		110	90 - 110	1	20
_											
Lab Sample ID: 890-3914-0	6 MS							Clie	ent Sample	ID: CS-	13 (4')
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 44877											
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	134	F1	248	425.1	F1	mg/Kg		117	90 - 110		
_ Lab Sample ID: 890-3914-0	6 MSD							Clie	ent Sample	ID: CS-	13 (4')
Matrix: Solid										Type: S	
Analysis Batch: 44877										210 C	
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	134	F1	248	425.6	F1	mg/Kg		118	90 - 110	0	20

5

Released to Imaging: 5/16/2024 4:25:11 PM

**Client Sample ID** 

SW-11 (0-4')

SW-12 (0-4')

SW-13 (0-4')

SW-14 (0-4')

CS-13 (4')

CS-14 (4')

CS-15 (4')

CS-16 (4')

CS-17 (4')

CS-18 (4')

Method Blank

Matrix Spike

Lab Control Sample

Lab Control Sample Dup

Matrix Spike Duplicate

#### **QC Association Summary**

Prep Type Total/NA

Client: NT Global Project/Site: Forehand Ranch

Lab Sample ID

890-3914-1

890-3914-2

890-3914-3

890-3914-4

890-3914-6

890-3914-7

890-3914-8

890-3914-9

890-3914-10

890-3914-11

MB 880-45239/5-A

LCS 880-45239/1-A

890-3952-A-1-D MS

890-3952-A-1-E MSD

LCSD 880-45239/2-A

#### Analysis Batch: 45230

		SDG: 220349	
Matrix	Method	Prep Batch	
Solid	8021B	45239	E
Solid	8021B	45239	5
Solid	8021B	45239	
Solid	8021B	45239	8
Solid	8021B	45239	
Solid	8021B	45239	9
Solid	8021B	45239	

#### Analysis Batch: 45231

Lab Sample ID	Client Sample ID	Ргер Туре	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 Batcl
890-3914-1	SW-11 (0-4')	Total/NA	Solid	5035	
890-3914-2	SW-12 (0-4')	Total/NA	Solid	5035	
390-3914-3	SW-13 (0-4')	Total/NA	Solid	5035	
390-3914-4	SW-14 (0-4')	Total/NA	Solid	5035	
390-3914-6	CS-13 (4')	Total/NA	Solid	5035	
390-3914-7	CS-14 (4')	Total/NA	Solid	5035	
390-3914-8	CS-15 (4')	Total/NA	Solid	5035	
390-3914-9	CS-16 (4')	Total/NA	Solid	5035	
390-3914-10	CS-17 (4')	Total/NA	Solid	5035	
390-3914-11	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	
_CSD 880-45239/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
390-3952-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
890-3952-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
MB 880-45241/5-A	Method Blank	Total/NA	Solid	5035	

#### **QC Association Summary**

Client: NT Global Project/Site: Forehand Ranch

4 5 6

#### Job ID: 890-3914-1 SDG: 226349

**GC VOA** 

#### Prep Batch: 45260

Lab Sample ID	Client Sample ID	Ргер Туре	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

880-23958-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035		
Analysis Batch: 45312						8
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	9
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		13
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	Ргер Туре	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

#### 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	5
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	8
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	g
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	
nalysis 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		

#### 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	Ргер Туре	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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# Job ID: 890-3914-1

SDG: 226349

#### **QC** Association Summary

Client: NT Global Project/Site: Forehand Ranch

#### HPLC/IC

#### Analysis Batch: 44877

nalysis Batch: 44877					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3914-1	SW-11 (0-4')	Soluble	Solid	300.0	44760
390-3914-2	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
390-3914-11	CS-18 (4')	Soluble	Solid	300.0	44760
390-3914-12	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

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Client Sample ID: SW-11 (0-4')

## Job ID: 890-3914-1

## SDG: 226349

#### Lab Sample ID: 890-3914-1 Matrix: Solid

Date Collected: 01/20/23 08:00 Date Received: 01/20/23 09:57

Project/Site: Forehand Ranch

Client: NT Global

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

#### Client Sample ID: SW-12 (0-4')

#### Date Collected: 01/20/23 08:00 Date Received: 01/20/23 09:57

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 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	СН	EET MID

#### Client Sample ID: SW-13 (0-4')

#### Date Collected: 01/20/23 08:00

#### Date Received: 01/20/23 09:57

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 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

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Matrix: Solid

#### Lab Sample ID: 890-3914-2

Lab Sample ID: 890-3914-3

Lab Sample ID: 890-3914-4

Matrix: Solid

Matrix: Solid

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Client Sample ID: SW-14 (0-4')

Job ID: 890-3914-1 SDG: 226349

#### Lab Sample ID: 890-3914-4 Matrix: Solid

Lab Sample ID: 890-3914-6

Date Collected: 01/20/23 08:00 Date Received: 01/20/23 09:57

Project/Site: Forehand Ranch

Client: NT Global

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID

#### Client Sample ID: CS-13 (4') Date Collected: 01/20/23 08:00 Date Received: 01/20/23 09:57

#### Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Amount Number or Analyzed Туре Run Factor Analyst Lab Total/NA 5035 Prep 4.97 g 5 mL 45239 02/02/23 09:32 EL EET MID Total/NA Analysis 8021B 5 mL 5 mL 45230 02/02/23 18:02 MNR EET MID 1 Total/NA Total BTEX Analysis 1 45312 02/03/23 08:57 AJ EET MID Total/NA Analysis 8015 NM 45448 02/04/23 09:40 EET MID AJ 1 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 uL 1 uL 45303 02/03/23 23:05 AJ EET MID 1 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 СН EET MID

#### Client Sample ID: CS-14 (4')

Date Collected: 01/20/23 08:00 Date Received: 01/20/23 09:57

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	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

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Lab Sample ID: 890-3914-7

Lab Sample ID: 890-3914-8

Matrix: Solid

Matrix: Solid

Matrix: Solid

#### Lab Chronicle

Job ID: 890-3914-1 SDG: 226349

Lab Sample ID: 890-3914-8

Lab Sample ID: 890-3914-9

#### Client Sample ID: CS-15 (4') Date Collected: 01/20/23 08:00

Date Received: 01/20/23 09:57

Project/Site: Forehand Ranch

Client: NT Global

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

#### Client Sample ID: CS-16 (4')

#### Date Collected: 01/20/23 08:00 Date Received: 01/20/23 09:57

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	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	СН	EET MID

#### Client Sample ID: CS-17 (4') Date Collected: 01/20/23 08:00 Date Received: 01/20/23 09:57

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	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	СН	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

Lab Sample ID: 890-3914-10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	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

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Matrix: Solid

Matrix: Solid

Matrix: Solid

Job ID: 890-3914-1 SDG: 226349

Matrix: Solid

Lab Sample ID: 890-3914-12

#### Client Sample ID: CS-19 (4') Date Collected: 01/20/23 08:00

Date Received: 01/20/23 09:57

Project/Site: Forehand Ranch

Client: NT Global

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 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	СН	EET MID

#### Lab Sample ID: 890-3914-13

Matrix: Solid

#### Client Sample ID: CS-20 (4') Date Collected: 01/20/23 08:00

Date Received: 01/20/23 09:57

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID

#### Laboratory References:

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

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Eurofins Carlsbad

#### Accreditation/Certification Summary

Client: NT Global	
Project/Site: Forehand Rancl	ſ

Laboratory: Eurofins Midland

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

uthority	Pr	ogram	Identification Number	Expiration Date
exas	NE	ELAP	T104704400-22-25	06-30-23
The following analytes	are included in this report, but	ut the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for
the agency does not o	ffer certification.			
the agency does not o Analysis Method	ffer certification. Prep Method	Matrix	Analyte	
8 ,		Matrix Solid	Analyte Total TPH	

Eurofins Carlsbad

#### **Method Summary**

Client: NT Global Project/Site: Forehand Ranch Job ID: 890-3914-1 SDG: 226349

lethod	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
otal 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
0.00	Anions, Ion Chromatography	EPA	EET MID
6035	Closed System Purge and Trap	SW846	EET MID
015NM Prep	Microextraction	SW846	EET MID
01 Leach	Deionized Water Leaching Procedure	ASTM	EET MID
SW846 =	Environmental Protection Agency "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third E = TestAmerica Laboratories, Standard Operating Procedure	Edition, November 1986 And Its Updates.	
Laboratory R	eferences:		
EET MID :	= Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-544	0	

#### Laboratory References:

Eurofins Carlsbad

Released to Imaging: 5/16/2024 4:25:11 PM

Client: NT Global Project/Site: Forehand Ranch

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

Job ID: 890-3914-1

SDG: 226349

3 0	+ inflick	Relinquished by: (Sig	of service. Xenco will be llable ( of Xenco. A minimum charge of	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco. Its affiliates and subcontractors.	Additional Comments:	CS-17 (4')	CS-16 (4')	CS-15 (4')	CS-14 (4')	CS-13 (4')	CS-12 (4')	SW-14 (0-4')	SW-13 (0-4')	SW-12 (0-4")	SW-11 (0-4')	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	P0#	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone: 281 6	City, State ZIP: Carls	Address: 402 E		Project Manager: Gord	ENVIRG
	the	(Signature)	only for the cost of samples ar f \$85.00 will be applied to each	ent and relinquishment of san	Comments:	1/20/2023	1/20/2023	1/20/2023	1/20/2023	1/20/2023	1/20/2023	1/20/2023	1/20/2023	1/20/2023	1/20/2023	tion Date	13	Yes NO NIA	Yes No ATA	A REAL	Temp Blank:		Tyler Kimball	Eddy County	226349	Forehand Ranch	281 682-7998	Carlsbad, NM 88220	402 E Wood Ave	NTG Environmental	Gordon Banks	INTRONMENTAL
	Ca	Received by: (Signature)	nd shall not assume any res n project and a charge of \$5	nples constitutes a valid pu												Time Soil	Corrected Temperature:	Temperature Reading:	Correction Factor:	Thermometer ID:	Tes No Wet Ice:	1a0, 11	TAT starts	Due Date	✓ Routine							
/	9 Sut	nature)	sponsibility for any loss for each sample submit	rchase order from client		Comp	Comp	Comp	Comp	Comp	Comp	Comp	Comp	Comp	Comp	Water Comp		١V	-0.0	20%	e: Reg No	Teceived by 4.50pm	TAT starts the day received by the		e Rush	Turn Around	Email:	City, State ZIP:	Address:	Company Name:	Bill to: (if different)	
	1-20-23	Da	es or expenses in tted to Xenco, but	company to Xen		-1			-		-	_	_		-	p Cont	+		P	Para	mete	-	Ð	<u> </u>	Code	3						
-	20	Date/Time	curred by the client not analyzed. Thes	co, its affiliates and		X X X	×	× × ×	×××	× × ×	× × ×	×	× × ×	× × ×	× × ×	T	PH 80	15M	( G	K 80: RO + ride	+ DR	0+	MRC	)						Caza Petroleum		
•	-	Relinquished by: (Signature)	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 it such losses are due to circumstances beyond the control 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 it such losses are due to circumstances beyond the control of Service. 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.	subcontractors. It assigns standar															aon-3914 Chain of Custody				-			ANALYSIS REQUEST						
		ture) Received by: (Signature)	nces beyond the control viously negotiated.	It assigns standard terms and conditions															ustody							QUEST	Deliverables: EDD	Reporting:Level II L Level III	State of Project:	Program: UST/PST PRP	Work	Work Order No:
_									-							Sample Comments	NACH+ASCORDIC ACIU. SAFC	Zn Acetate+NaUH: Zn		NaHSO, NABIS	_	1723U4. 172	HCL: HC	Cool: Cool	None: NO	Preservative Codes	ADaP1 L Other:			Brownfields	Work Order Comments	der No:
		Date/Time														omments	ACIU. SAFC	H: Zn				NaOn. Na	HNU3: HN	MeOH: Me	DI Water: H <sub>2</sub> O	ve Codes						of 12

Page 207 of 253

Conject Manager,         Gordon Banks         Bit for (r diversity Company Name.         Casa Petroleum           Company Name.         NTG Environmental         Company Name.         Casa Petroleum           Systema:         212 (Sd2-19)         Company Name.         Casa Petroleum           "Opert Control         Ender         Company Name.         Casa Petroleum           "Opert Control         Ender         Company Name.         Casa Petroleum           "Opert Control         Ender         Chy, Slasz ZP.         Casa Petroleum           "Opert Control         Eddy County         Casa Petroleum         Casa Petroleum           "Opert Control         Eddy County         Transatt the site resolution in the site of resolutio			4 0										5 3
Project Manager:         Corrdon Banks         Bill (c; (ralewon)         Company Name:         Carge Perjoar         Carge Perjoar         Carge Perjoar         Carge Perjoar					U	-20-	)'	trut	la P		Nur		
Project Vanager       Cordon Banks       Bit for (r diversity Company Name:       Disc (r diversity Company Name:       Cast Petroleum       Petroleum         City, State ZIP:       Cast Petroleum       Cast Petroleum       Cast Petroleum       State of Project       State of Project <td< th=""><th>Š</th><th>re) Received</th><th>Relinquished by: (Signatu</th><th></th><th>te/Time</th><th>Da</th><th></th><th>ature)</th><th>ed by: (Signa</th><th>Receive</th><th></th><th>r: (Signature)</th><th>Relinquished b</th></td<>	Š	re) Received	Relinquished by: (Signatu		te/Time	Da		ature)	ed by: (Signa	Receive		r: (Signature)	Relinquished b
Manager:         Gordon Banks         Bill to: (ridileven)         Cara Pendeum           sr         402 E Wood Ave 287 602.7998         Company Name:         Cara Pendeum           sr         402 E Wood Ave 287 602.7998         Enail:         Cara Pendeum           sr         287 662.7998         Enail:         Cara Pendeum           Number:         287 662.7998         Enail:         Cara Pendeum           Number:         287 662.7998         Enail:         Fountion         Run           Type Kimball         TAT stars the day received by the uab, berefived by 430pm         Fountion         Ant YSIS REQ Costody Seats:         Yes No         NA           CS-18 (4)         1/20/2023         Corrected Temperature         Sonit         Ves No         Parameters           CS-20 (4)         1/20/2023         Sonit         Comp         Comp         A         A           Sample Identification         Date         Sonit         Sonit         K Son Po Ro         N         N           CS-18 (4)         1/20/2023         Comp         Comp         A         A         A           CS-20 (4)         1/20/2023         Comp         A         A         A         A           Additional Comments:         A         A<		terms and conditions the beyond the control usly negotiated.	subcontractors. It assigns standard 1 f such losses are due to circumstance terms will be enforced unless previo	lates and s the client if zed. These	co, its affil icurred by t not analy	pany to Xen expenses in o Xenco, bu	om client com any losses or e submitted t	hase order fro onsibility for or each sampl	utes a valid purc ssume any resp a charge of \$5 fc	ples constitu d shall not a project and	ishment of sam st of samples an applied to each	document and relinqu llable only for the cos arge of \$85.00 will be	votice: Signature of this of service. Xenco will b of Xenco. A minimum c
Manager:         Gordon Banks         Bill to: (trafferent)         Cara Pendeum           star         402 E Wicod Ave         Address:         Cara Pendeum           star         281 682-7998         Enail:         Cara Pendeum           281 682-7998         Enail:         Cara Pendeum           281 682-7998         Enail:         Cara Pendeum           281 682-7998         Enail:         City, State ZIP:           281 682-7998         Enail:         City, State ZIP:           281 682-7998         Enail:         Vestory Pendeum         Num Anund           Number:         226349         Oute Date:         Num         Code           State State         Temp Bank:         Yes No         Nu         Margereur         AAX YSIS REQ           Custory Seals:         Yes No         Nu         Eorrected Temperature         Nu         AAX YSIS REQ           Custory Seals:         Yes No         Nu         Eorrected Temperature         Nu         AAX YSIS REQ           Custory Seals:         Yes No         Nu         Eorrected Temperature         AAX YSIS REQ         AAX YSIS REQ           Custory Seals:         Yes No         Nu         Eorrected Temperature         Code         AAX X         AAX X         AAX X												onal Comments	Additi
Manager:         Gordon Banks         Bill to: (IrdReem)         Carls even NTG Environmental         Company Name:         Carls even NTG Environmental         Company Name:         Carls even Name:         Carls even NTG Environmental         Company Name:         Carls even Name:         Name:         Address:         Carls even Name:         Name:         Analysis         Analysis <t< td=""><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>					-								
Manager:         Gordon Banks         Bill to: (r.dreven)         Company Name:         Cara Petroleum           vy. Name:         402 E Wood Ave         Address:         Cara Petroleum         Address:         Cara Petroleum           vs.         402 E Wood Ave         Email:         Company Name:         Cara Petroleum         Cara Petroleum           vs.         281 682-7998         Email:         Cara Petroleum         Cara Petroleum         Cara Petroleum           Name:         Forehand Ranch         Turn Around         Fea         Pea         Cara Petroleum           Name:         Forehand Ranch         Lawb         Cara Petroleum         Cara Petroleum         Analysis           Name:         Temp Blank:         Yes No         Ner leaveraide by 430ph         Cara Petroleum         Analysis           LE RECEIPT         Temp Blank:         Yes No         Wet leav         Carabut by 430ph         Carabut by 430ph         Analysis           Lestody Seals:         Yes No         NA         Corrected Temperature         Soil         Yes No         Parameters         Analysis           CS-18 (4)         1/20/2023         Corrected Temperature         Comp         Comp         1         X         X         I         I           CS-18 (4) </td <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>					_								
Manager.         Gordon Banks         Bill to: (righteen)         Company Name:         Caza Petroleum           wy. Name:         NTG Environmental         Company Name:         Caza Petroleum           281         281         Secondary Name:         Caza Petroleum           281         281         Company Name:         Caza Petroleum           281         281         Carisbad, NM 88220         Email:         City, State ZIP:           281         281         28349         City, State ZIP:         City, State ZIP:           281         226349         Email:         Ves.         Nonine         Rush         Code           Number:         226349         Ves. No         Due Date:         Code         Code         I           Location         Eduy County         Due Date:         Ves. No         Net resided by the lab.         Code         I         I           Location/ Seals:         Yes. No         Nich Corrected/Teado:         Ves. No         Ves No         I         I         I           Custody Seals:         Yes. No         Nich Corrected/Teado:         Ves No         Comp Date         Comp Date         I         I         I         I           Custody Seals:         Yes. No         Nich Corre					+								
Manager:         Cordon Banks         Bill tc: (if different)         Caras Petroleum           sr:         402 E Wood Ave         Address:         Company Name:         Caza Petroleum           sr:         281 682.7998         Email:         City Stale ZIP:         Caza Petroleum           location         Eddy County         Le Ranch         Turm Around         Pers.         Conserved by the           location         Eddy County         Due Date:         Coust reserved by the         Pers.         Cost         Address:         Address:           r's Name:         Tyler Kimball         TAT starts the day reserved by 4:30pm         Pers.         Cost         Address:         Address:           location'         Eddy County         Due Date:         Cost         Cost         Address:         Pers.         Cost         Address:         Address:         Address:         Address:         Address:         Cost         Fores.         Cost         Address:         Cost         Address:         Cost         Address:         Cost         Address:         Cost         Address:         Ad					+								
Manager:         Cordon Banks         Bill to: (if differen)         Curl (differen)           sy Name:         NTG Environmental         Company Name:         Caza Petroleum           sy Name:         Carlsbad, NM 88220         Email:         Caza Petroleum           sea ZIP:         Carlsbad, NM 88220         Email:         City, State ZIP:         Caza Petroleum           Name:         Forehand Ranch         Turm Around         Address:         City, State ZIP:         Autressite           Location         Eddy County         Due Date:         Cada         Feat.         Cada           Location/ 's Name:         Tyler Kimball         TA'r starts the day reselved by 4:30pm         Feat.         Cada         Grad													
Manager:         Gordon Banks         Bill to: (if different)         Caza Petroleum           arg         402 E Wood Ave         Address:         Company Name:         Caza Petroleum           arg         281 682.7998         Enail:         Company Name:         Caza Petroleum           281 682.7998         Forehand Ranch         Turn Around         Pres.         Caza Petroleum           Location         Eddy County         Due Date:         Ceres         Ceres         Ceres           Location         Eddy County         Due Date:         Ceres         Ceres         Ceres         Ceres           Custody Seats:         Yes <no< td="">         N/         Theprofrighe-U         Ves<no< td="">         Mater         Grab/         Forehand Barch         AnALYSIS REO           Custody Seats:         Yes<no< td="">         N/         Theprofrighe-U         Corrected Temperature:         Corrected Temperature:         Corrected Temperature:         AnALYSIS REO           Custody Seats:         Yes No         N/A         Corrected Temperature:         Corrected Temperature:         Corrected Temperature:         Corrected Temperature:         AnALYSIS REO           Custody Seats:         Yes No         N/A         Time         Soil         Water         Grab/         A         A</no<></no<></no<>													
Manager:         Gordon Banks         Bill to: (if different)         Cara Petroleum           my Name:         NUTG Environmental         Company Name:         Cara Petroleum           ata ZIP:         Carlsbad, NM 88220         Email:         Company Name:         Cara Petroleum           281 682-7998         Forehand Ranch         Turn Around         Address:         Cara Petroleum           location         Eddy County         Due Date:         Company received by the         Feas.         AMAL YSIS REQ           location         Eddy County         Due Date:         Ves No         Tot starts the day received by the         Codes.         Codes.         AMAL YSIS REQ           LE RECEIPT         Temp Blank:         Yes No         The profinale Aug         Ves No         Parameters         Augers         Augers         Augers           Custody Seals:         Yes No         N/A         Temperature Reddired         Yes No         Augers				×	_	_	Comp				1/20/2023	(4')	CS-2(
Manager.         Gordon Banks         Bill to: (if different)         Company Name:         Caralsbad, NIM 88220         Canalsbad, NIM 88220         Canalsbad, NIM 88220         Caralsbad, NIM 88220         Caralsbad, NIM 88220         Email:         City, State ZIP:         Caralsbad, NIM 88220         Email:         City, State ZIP:         Caralsbad, NIM 88220         Address:         City, State ZIP:         Caralsbad, NIM 88220         Andress:         City, State ZIP:         Caralsbad, NIM 88220         Andress:         City, State ZIP:         City, State ZIP:         Caralsbad, NIM 88220         Andress:         City, State ZIP:         Caralsbad, NIM 88220         Andress:         City, State ZIP:         Andress:         Andress:         City, State ZIP:         Andress:         Andress:         Andress:         City, State ZIP:         City, State ZIP:         Andress:         Andress: <td></td> <td></td> <td></td> <td>×</td> <td></td> <td>_</td> <td>Comp</td> <td></td> <td></td> <td></td> <td>1/20/2023</td> <td>(4')</td> <td>CS-19</td>				×		_	Comp				1/20/2023	(4')	CS-19
Manager.         Cordon Banks         Bill to: (If different)         Curl (If different)         Curl (If different)         Cara Petroleum           www.         402 E Wood Ave         Address:         Company Name:         Cara Petroleum         Cara Petroleum           www.         402 E Wood Ave         Email:         Cara Petroleum         City, State ZIP:         Cara Petroleum           www.         Forehand Ranch         Turn Around         Pres.         Pres.         Address:           Number:         26349         Image:         Ves.         Pres.         Pres.           Number:         226349         Image:         Pres.         Pres.         Pres.           Number:         226349         Image:         Pres.         Pres.         Pres.           Location         Eddy County         Due Date:         Pres.         Pres.         Pres.           Location         Temp Blank:         Tyler Kimball         TAT starts the day received by 4:30pm         Pres.         Image:				×		1	Comp				1/20/2023	(4')	CS-18
Manager:     Gordon Banks     Bill to: (if different)       ny Name:     NTG Environmental     Company Name:     Cara Petroleum       s:     402 E Wood Ave     Address:     Address:       ate ZIP:     Carisbad, NM 88220     Email:     Cara Petroleum       281 662-7998     Email:     City, State ZIP:     Cara Petroleum       281 662-7998     Email:     Cara Petroleum     Address:       281 662-7998     Email:     City, State ZIP:     Cara Petroleum       Number:     226349     Email:     Cara Petroleum       Location     Eddy County     Due Date:     Code       Location     Eddy County     Due Date:     Code       Location     Tyler Kimball     TAT starts the day received by the lab. Lects well by 4:30pm     Code       1     Temp Blank:     Yes No     The profinger ature     Yes No       2ustody Seals:     Yes No     Ni/A     Corrected Temperature:     Yes No       Custody Seals:     Yes No     Ni/A     Corrected Temperature:     Yes No       Custody Seals:     Yes No     Ni/A     Corrected Temperature:     Yes No       Custody Seals:     Yes No     Ni/A     Corrected Temperature:     Yes No	1				TF	# of	Grab/ Comp	Water	Soil	Time	Date	tification	Sample Ide
Manager:     Gordon Banks     Bill to: (If different)       ny Name:     NTG Environmental     Company Name:       s:     402 E Wood Ave     Address:       s:     402 E Wood Ave     Company Name:     Cara Petroleum       s:     402 E Wood Ave     Address:     Company Name:     Caza Petroleum       s:     281 682-7998     Email:     City. State ZIP:     Caza Petroleum       name:     Forehand Ranch     Turn Around     Pres.     Code       number:     226349     Imail:     Code     Pres.     AnALYSIS REO       Location     Eddy County     Due Date:     Pres.     Pres.     AnALYSIS REO       Location     Tyler Kimball     TAT starts the day received by the lab. If wereved by 4:30pm     Parameters     Parameters       BTEX 8021B     No     N/A     Correction Faxon:     Ves No     Image:     Image:       Custody Seals:     Yes No     N/A     Correction Faxon:     Image:     Image:     Image:       LE RECEIPT     Yes No     N/A     Correction Faxon:     Image:     Image:     Image:     Image:       Juitod					PH 80			<u>.</u>	d Témperatur	Corrected	13		Total Containers:
Manager:     Gordon Banks     Bill to: (if different)       ny Name:     NTG Environmental     Bill to: (if different)       s:     402 E Wood Ave     Address:       s:     402 E Wood Ave     Address:       s:     281 682-7998     Email:       281 682-7998     Environmental     Company Name:       281 682-7998     Forehand Ranch     Turn Around       Number:     226349     Wurther       281 682-7998     ZeG349     Routine       Number:     226349     Pres.       226349     Wurther     Rush       Location     Eddy County     Due Date:       Location     TVes No     TAT starts the day received by 4:30pm       r's Name:     Tyler Kimball     TAT starts the day received by 4:30pm       ris Name:     Temp Blank:     Yes No       Ves No     NA     Correctidn Faafor:				C					ture Reading:	Tempera	1	Yes	Sample Custody Se
Manager:       Gordon Banks       Bill to: (if different)       Bill to: (if different)         ny Name:       NTG Environmental       Company Name:       Caza Petroleum         s:       402 E Wood Ave       Address:       Caza Petroleum         s:       402 E Wood Ave       Address:       Caza Petroleum         s:       402 E Wood Ave       Email:       Caza Petroleum         s:       281 682-7998       Email:       City. Stale ZIP:       Address:         number:       Forehand Ranch       Turn Around       Fensil:       ANALYSIS REQ         Number:       226349       Image:       Cade       ANALYSIS REQ         Location       Eddy County       Due Date:       Code       ANALYSIS REQ         Location       Tyler Kimball       TAT starts the day received by 4:30pm       AnALYSIS REQ         r's Name:       Temp Blank:       Yes No       Yes No       Yes No       Yes No         Hegenomater.ut       Yes No       Thegrafonater.ut       Yes No       Yes No       Yes No       Yes No				hlor				F/	In Faotor:	Correctid		Yes	Cooler Custody Sea
Manager:       Gordon Banks       Bill to: (if different)       Bill to: (if different)         ny Name:       NTG Environmental       Company Name:       Caza Petroleum         s::       402 E Wood Ave       Address:       Company Name:       Caza Petroleum         s::       402 E Wood Ave       Address:       Caza Petroleum         s::       281 682.7998       Email:       City, State ZIP:       AnALYSIS REQ         vame:       Forehand Ranch       Turn Around       Forehand Ranch       AnALYSIS REQ         Number:       226349       Zegas Petroleum       AnALYSIS REQ         Location       Eddy County       Due Date:       AnALYSIS REQ         r's Name:       Tyler Kimball       TAT starts the day received by the       AnALYSIS REQ         r's Name:       Tyler Kimball       TAT starts the day received by the       B       B         lab. Lecraived by 4:30pm       HB       B       B       B       B				ide 3	-				Deter La	Therprofit	No		Received Intact:
Manager:     Gordon Banks     Bill to: (if different)     Bill to: (if different)       ny Name:     NTG Environmental     Company Name:     Caza Petroleum       s:     402 E Wood Ave     Address:     Caza Petroleum       s:     402 E Wood Ave     Address:     Caza Petroleum       s:     402 E Wood Ave     Address:     Caza Petroleum       s:     402 E Wood Ave     Email:     Caza Petroleum       s:     Carlsbad, NM 88220     Email:     Caza Petroleum       281 682-7998     Email:     Image:     Image:       Name:     Forehand Ranch     Turn Around     Fres.       Number:     226349     Image:     Image:       1     226349     Image:     Image:       1     226349     Image:     Image:       1     1     Image:     Image:       1     1     Image:     Image:       1     1     Image:     Image:       1     1     1     Image:       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1     1       1     1     1				300				Yes	$\setminus$		o Blank:		AMPLE RECE
Manager:     Gordon Banks     Bill to: (if different)     Bill to: (if different)       ny Name:     NTG Environmental     Company Name:     Caza Petroleum       s:     402 E Wood Ave     Address:     Caza Petroleum       s:     402 E Wood Ave     Address:     Caza Petroleum       s:     Carlsbad, NM 88220     Email:     Caza Petroleum       ate ZIP:     Carlsbad, NM 88220     Email:     Address:       281 682-7998     Email:     Email:     AnALYSIS REQ       Name:     Forehand Ranch     Turn Around     Pres.     ANALYSIS REQ       Number:     226349     Q     Noutine     Rush     Code     AnALYSIS REQ       Location     Eddy County     Due Date:     Pres.     Q     AnALYSIS REQ       Yer Nimball     TAT starts the day received by the     Q     AnALYSIS REQ					) + N	ers	30pm	revealed by 4:3	lab, ifre				0#
Manager:     Gordon Banks     Bill to: (if different)     Zare Petroleum       ny Name:     NTG Environmental     Company Name:     Caza Petroleum       s:     402 E Wood Ave     Address:     Caza Petroleum       ate ZIP:     Carlsbad, NM 88220     Email:     Caza Petroleum       281 682-7998     Email:     Caza Petroleum     AndLYSIS REQ       Name:     Forehand Ranch     Turn Around     Pres.     ANALYSIS REQ       Number:     226349     Q Routine     Rush     Code     I     I     I     I       Location     Eddy County     Due Date:     Due Date:     I<					ARO		red by the	he day receiv	TAT starts t		er Kimball	Tyle	ampler's Name:
Manager:     Gordon Banks     Bill to: (if different)       ny Name:     NTG Environmental     Company Name:     Caza Petroleum       s::     402 E Wood Ave     Address:     Caza Petroleum       ate ZIP:     Carlsbad, NM 88220     City. State ZIP:     City. State ZIP:       281 682-7998     Email:     City. State ZIP:     ANALYSIS REQ       Name:     Forehand Ranch     Turn Around     Pres.       Number:     226349     Rusine     Rush					)				Due Date:		dy County	Edd	roject Location
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Manager:Gordon BanksBill to: (if different)ny Name:NTG EnvironmentalCompany Name:Caza Petroleums:402 E Wood AveAddress:Carlsbad, NM 88220City, State ZIP:ate ZIP:Carlsbad, NM 88220City, State ZIP:Email:		JEST	ANALYSIS REQU					ırn Around	1		and Ranch	Foreh	roject Name:
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Gordon Banks     Bill to: (if different)       NTG Environmental     Company Name:       402 E Wood Ave     Address:		Reporting:Level II L Level					te ZIP:	City, Sta			8220	Carlsbad, NM 88	ity, State ZIP:
Gordon Banks     Bill to: (if different)       NTG Environmental     Company Name:       Caza Petroleum		State of Project:						Address			e	402 E Wood Av	ddress:
Gordon Banks Bill to: (if different)		Program: UST/PST PRP Brownfields RRC		oleum	aza Petro	0	y Name:	Compan			ental	NTG Environme	ompany Name:
	12	Work Order Comments					different)	Bill to: (if				Gordon Banks	<sup>o</sup> roject Manager:
	5	Work Order No:											
Work													

#### Received by OCD: 5/16/2024 1:08:16 PM

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#### 2/4/2023

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1089 N Canal St. Carlsbad NM 88220 Phone 575.088.2100 Fax 575.088.3100	0	hain c	Chain of Custody Record	tody R	eco	ord	_							kair					چ <u>ې</u>	eu	🖓 eurotins	ins	******	ouvro	nmer	Environment Testing	ting
Client Information (Sub Contract Lab)	Sampler			Lab PM Krame	Lab PM Kramer, Jessica	ssica	9						Carri	Carrier Tracking No(s)	sking I	vo(s)			<u> </u>	COC No <sup>-</sup> 890-1107	o <sup>.</sup> 107 1						
Client Contact: Shipping/Receiving	Phone:			E-Mail: Jessic	E-Mail: Jessica Kramer@et.eurofinsus	amer	@et	euro	finsu	s com	З		State Nev	State of Origin New Mexico	gin					Page Page	<sup>p</sup> age Page 1 of 2						
Company Eurofins Environment Testing South Centr	 				Accreditations Required (See note) NELAP - Texas	P - T	is Req Texas	uired (	See n	iote)		ļ						ļ	<u> </u>	Job #: 890-3	Job #: 890-3914-1						
Address 1211 W Florida Ave, ,	Due Date Requested 1/26/2023	ā							Ą	naly	alysis	Re	Requested	ted						rese	Preservation Codes:	ŝ	des:	- Hexane	ne		
City Midland	TAT Requested (days)	iys)			Sectors	<u>idaten de la</u>	GRO-												an interest		NaOH Zn Acetate	Ø	voz	None AsNaO2	, Õ		
State Zip: TX, 79701					<u>feditosentintent</u> i	nallitilan instru	I TPH												( texendthicker		Nitric Acid NaHSO4	ц	ταπ	Na2O4S Na2SO3 Na2S2O3	Va2O4S Na2SO3 Na2S2O3		
Phone. 432-704-5440(Tel)	PO #:				<b>5)</b>	de	D) Ful												in		Amchlor	2	⊣ s	H2SO4 TSP Do	D4 Dodec	H2SO4 TSP Dodecahydrate	ate
Email	WO #				a. 2. 2000 - 10 - 10	10000-20-4	ep (MC												Setters albert		DI Water			Acetone MCAA	A ONE		
Project Name Forehand Ranch	Project #: 89000132				27 27 1L . 'UT	960-65288	_S_Pr	rex											ntaine	K EDTA L EDA	ATA		א≺:	other (sp	Trizma Other (specify)	ifv)	
Site	SSOW#					976381hra 9596	015NN	Caic B		cv.									Same Carrow	Other:							
			Sample Type	Matrix (W=water S=solid, 0=waste/oil.	Filtered	DRGFM_2		3/5035FP_	IOD_Calc	BTEX_G									Number								
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	(C=comp, G=grab)	BT=Tissue, A≓Air)	Soloo- NV dools	an Second	8015M DRO-		8015N	Total_									Total		Spec	ial Ir	nstru	ictio	Special Instructions/Note	ote <sup>.</sup>	
	X	N N	Preservation Code:	ion Code:	X		advoted a	Constant of			Configuration of the second	- Gradman				a second		a abri	X	an and a state				1	$\ $	[1	
SW-11 (0-4') (890-3914-1)	1/20/23	Mountain		Solid		×	×	×	×	×																	
SW-12 (0-4') (890-3914-2)	1/20/23	08 00 Mountain		Solid		×	×	×	×	×																	
SW-13 (0-4') (890-3914-3)	1/20/23	08 00 Mountain		Solid		×	×	×	×	×																	
SW-14 (0-4') (890-3914-4)	1/20/23	08 00 Mountain		Solid		×	×	×	×	×																	
CS-12 (4') (890-3914-5)	1/20/23	08 00 Mountain		Solid		×	×	×	×	×									ر بنترز استخار								
CS-13 (4') (890-3914-6)	1/20/23	08 00 Mountain		Solid		×	×	×	×	×																	
CS-14 (4') (890-3914-7)	1/20/23	08 00 Mountain		Solid		×	×	×	×	×									4								
CS-15 (4') (890-3914-8)	1/20/23	08 00 Mountain		Solid		×	×	×	×	×																	
CS-16 (4) (890-3914-9)	1/20/23	08 00 Mountain		Solid	<u> </u>	×	×	×	×	×																	
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/tests/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	nt Testing South Cen bove for analysis/test antral LLC attention i	tral LLC place s/matrix being mmediately If	s the ownership analyzed the sa all requested a	p of method ar amples must b accreditations a	ialyte 8 e shipp re curr	k accre bed ba	editatic ck to ti date	n corr he Eu	nplianc rofins the sig	xe upo Enviro gned (	n our onmer Chain	subc nt Tes of Cu	ontrac ting S stody	labor buth C attesti	atorie entral ng to	s. Thi LLC said c	s san labora omplia	ple sh ntory c	nipme r othe D Euro	rt is fo r instru fins E	nwarde uctions nvironr	id unde will be nent T	er cha a prov esting	ain-of- /ided 3 Sout	custod Any c h Cen	ly Iftt hange tral LL	he sto
Possible Hazard Identification					<u> </u>	Sample Disposal ( A	le Disposal ( A Beturn To Clien	spos	al ( /		may	<b>]</b> è	assessed if san	ssec	lifs	Idue	es a		tained I	fee may be assessed if samples are retained longer	longer	. than		month)	nth)		
Deliverable Requested   II, III, IV Other (specify)	Primary Deliverable Rank. 2	able Rank.	N		5	Special Instructions/Q	al Inst	ructi	ons/(	NC R	C Requirements	reme	Ints														
Empty Kit Relinquished by		Date			Time	Ű			n	0				Met	Method of Shipment:	Shipr	nent:										
Relinquistrep.by	Date/Time:			Company		Rec	Received by	l ₹	$\square$	$\sum$	0	A	1	$\geq$	0		gate/Time						0	Company	۲۲		
Relinquished by	Date/Time			Company		Ree	Received by	PA.								Date	Date/Time						ç	Company	٧٢		
Relinquished by	Date/Time		(	Company		Re	Received by	Â(								Date	Date/Time						ō	Company	γr		
Custody Seals Intact: Custody Seal No ∆ Yes ∆ No						ç	Cooler Temperature(s	Impera	ature(s	ိ	and O	ther F	and Other Remarks	S													

#### Received by OCD: 5/16/2024 1:08:16 PM

#### State, Zip: TX, 79701 Carlsbad NM 88220 Phone 575-988-3199 Fax: 575-988-3199 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/tests/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 Project Name Forehand Ranch Midland Empty Kit Relinquished by Deliverable Requested 1 II, III IV Other (specify) 1211 W Florida Ave, **Client Information** Possible Hazard Identification CS-19 (4') (890-3914-12) CS-17 (4') (890-3914-10) Sample Identification - Client ID (Lab ID) mai 432-704-5440(Tel) 1089 N Canal St CS-20 (4') (890-3914-13) CS-18 (4') (890-3914-11) hone COLLESS urofins Environment Testing South Centr elinquished by nconfirmed ient Contact: Custody Seals Intact: ∆ Yes ∆ No linguished by ipping/Receiving (Sub Contract Lab) Custody Seal No Project #: 89000132 WO # PO # Due Date Requested 1/26/2023 Phone: Samplei Primary Deliverable Rank SSOW# **FAT Requested (days)** Date/Time Date/Time Jate/ I Ime Sample Date 1/20/23 1/20/23 1/20/23 1/20/23 Chain of Custody Record Mountain 08 00 Mountain 08 00 Date Mountain 08 00 Mountair Sample 08 00 Time N (C=comp G=grab) Туре Sample Preservation Code Company Company Company (W=water S=solid, O=waste/oll, BT=Tissue, Matrix Solid Solid Solid Solid A=Air E-Mail Kramer, Jessica Jessica Kramer@et.eurofinsus com Lab PM Field Filtered Sample (Yes or No) Accreditations Required (See note) NELAP - Texas Time Perform MS/MSD (Yes or No) Special Instructions/QC Requirements Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For Mon 300\_ORGFM\_28D/DI\_LEACH Chloride Received by × × Cooler Temperature(s) <sup>o</sup>C and Other Remarks. Redeiver Received × × 8015MOD\_NM/8015NM\_S\_Prep (MOD) Full TPH GRO × × × × DRO-MRO × 8021B/5035FP\_Calc BTEX × × × × $\times$ × × 8015MOD\_Calc Analysis Requested Total\_BTEX\_GCV × $\times$ × × State of Origin New Mexico Carrier Tracking No(s) Method of Shipment Date/Time. Date/Time )ate/Time **Total Number of containers** <u>ís</u> <u>ينې</u> ) **ک**ی 1 G Amchior H Ascorbic Acid Page<sup>.</sup> Page 2 of 2 COC No. 890-1107 2 Other: X ~ ¬ΠUCW> Preservation Codes: 890-3914-1 Ice DI Water CEDTA EDA Zn Acetate Nitric Acid NaHSO4 MeOH Amchior HCL NaOH Special Instructions/Note U Acetone V MCAA W pH 4-5 Y Trizma Z other (spe чоπ τοΖΖ ø Company Environment Test ng Company Company Hexane None AsNaO2 Na2O4S Na2SO3 Na2S2O3 H2SO4 other (specify) TSP Dodecahydrate Months

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# **Eurofins Carlsbad**

**13** 14

eurofins

#### Login Sample Receipt Checklist

Client: NT Global

#### Login Number: 3914 List Number: 1 Creator: Stutzman, Amanda

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	

#### Job Number: 890-3914-1 SDG Number: 226349

List Source: Eurofins Carlsbad

Eurofins Carlsbad Released to Imaging: 5/16/2024 4:25:11 PM

Job Number: 890-3914-1 SDG Number: 226349

List Source: Eurofins Midland

List Creation: 01/23/23 07:42 AM

#### Login Sample Receipt Checklist

Client: NT Global

Login Number: 3914 List Number: 2 Creator: Kramer, Jessica

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	N/A	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").



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 <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accred certif.html.

Cardinal Laboratories is accreditated 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. Keine

Celey D. Keene Lab Director/Quality Manager



#### Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project Number:	CAZA FOREHAND RANCH 226349 ETHAN SESSUMS	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.

#### Cardinal Laboratories

#### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence ar any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether su claim is based to be performed by client the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be performed except in full with written approval of Cardinal Liopatorities.

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUIT MIDLAND TX, 79706	701 TRADEWINDS BLVD. SUITE C			Project: CAZA FOREHAND RANCH Project Number: 226349 Project Manager: ETHAN SESSUMS Fax To:				1	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	
			Cardina	l Laborat	tories						
Inorganic Compounds Chloride	192		16.0	mg/kg	4	3020970	AC	09-Feb-23	4500-Cl-B		
Chioride	192		10.0	mg/kg	4	3020970	AC	09-1'00-23	4300-CI-D		
Volatile Organic Compounds by	EPA Method	8021									
Benzene*	< 0.050		0.050	mg/kg	50	3020926	ЛН	09-Feb-23	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	3020926	ЛН	09-Feb-23	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3020926	ЛН	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	ЛН	09-Feb-23	8021B		
Surrogate: 4-Bromofluorobenzene (PID)			102 %	71.5	-134	3020926	ЛН	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			81.7 %	48.2	-134	3020905	MS	09-Feb-23	8015B		
Surrogate: 1-Chlorooctadecane			89.9 %	49.1	-148	3020905	MS	09-Feb-23	8015B		

#### **Cardinal Laboratories**

\*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

#### 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:				1	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
			Cardina	l Laborat	tories					
Inorganic Compounds Chloride	192		16.0	mg/kg	4	3020970	AC	09-Feb-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	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 (Pl	ID)		103 %	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			107 %	48.2	-134	3020905	MS	09-Feb-23	8015B	
Surrogate: 1-Chlorooctadecane			119 %	49.1	-148	3020905	MS	09-Feb-23	8015B	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager
NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706		Project: CAZA FOREHAND RANCH Project Number: 226349 Project Manager: ETHAN SESSUMS Fax To:						Reported: 14-Feb-23 10:40		
				3 (7-7.5 560-03 (Se	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	336		16.0	mg/kg	4	3020970	AC	09-Feb-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	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 (Pl	ID)		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

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706		Project: CAZA FOREHAND RANCH Project Number: 226349 Project Manager: ETHAN SESSUMS Fax To:						Reported: 14-Feb-23 10:40		
				4 (7-7.: 560-04 (Se	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds Chloride	48.0		16.0	mg/kg	4	3020970	AC	09-Feb-23	4500-Cl-B	
Volatile Organic Compound	s 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 (P.	ID)		110 %	71.5	-134	3020968	JH/	10-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			79.0 %	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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706		Project: CAZA FOREHAND RANCH Project Number: 226349 Project Manager: ETHAN SESSUMS Fax To:						Reported: 14-Feb-23 10:40		
				1 (7-7.5 560-05 (Se	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds Chloride	112		16.0	mg/kg	4	3020970	AC	09-Feb-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	021								
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 (PL	ID)		106 %	71.5	-134	3020927	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			108 %	48.2	-134	3020905	MS	09-Feb-23	8015B	
Surrogate: 1-Chlorooctadecane			119 %	49.1	-148	3020905	MS	09-Feb-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project: CAZA FOREHAND RANCH Project Number: 226349 Project Manager: ETHAN SESSUMS Fax To:						Reported: 14-Feb-23 10:40		
				2 (7-7.5 560-06 (Se	,						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
Inorganic Compounds Chloride	208		16.0	mg/kg	4	3020970	AC	09-Feb-23	4500-Cl-B		
Volatile Organic Compound		121	1010	6 6							
Benzene*	<0.050	)21	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 (P.	ID)		106 %	71.5	-134	3020927	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			83.6 %	48.2	-134	3020905	MS	09-Feb-23	8015B		
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

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706		Project: CAZA FOREHAND RANCH Project Number: 226349 Project Manager: ETHAN SESSUMS Fax To:						Reported: 14-Feb-23 10:40		
				17 (7-7. 560-07 (Se	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	256		16.0	mg/kg	4	3020970	AC	09-Feb-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	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 (Pl	D)		105 %	71.5	-134	3020927	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			86.2 %	48.2	-134	3020905	MS	09-Feb-23	8015B	
Surrogate: 1-Chlorooctadecane			95.7 %	49.1	-148	3020905	MS	09-Feb-23	8015B	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project: CAZA FOREHAND RANCH Project Number: 226349 Project Manager: ETHAN SESSUMS Fax To:						Reported: 14-Feb-23 10:40		
				19 (7-7. 560-08 (Se	,						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	tories						
<u>Inorganic Compounds</u> Chloride	176		16.0	mg/kg	4	3020970	AC	09-Feb-23	4500-Cl-B		
Volatile Organic Compound	s by EPA Method 8	021									
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 (P.	ID)		107 %	71.5	-134	3020927	JH/	09-Feb-23	8021B		
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		
Surrogate: 1-Chlorooctadecane			103 %	49.1	-148	3020906	MS	09-Feb-23	8015B		

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Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana		1	Reported: 14-Feb-23 10:40				
				W - 12A 560-09 (So	vil)					
			Reporting	500 05 (50	,,,,,					
Analyte	Result	MDL	Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	80.0		16.0	mg/kg	4	3020970	AC	09-Feb-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 80	21								
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 (P.	ID)		108 %	71.5	-134	3020927	JH/	09-Feb-23	8021B	
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	
Surrogate: 1-Chlorooctadecane			103 %	49.1	-148	3020906	MS	09-Feb-23	8015B	

#### **Cardinal Laboratories**

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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# Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana		Reported: 14-Feb-23 10:40					
			S	W - 13A						
			H230	560-10 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ll Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	3020970	AC	09-Feb-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	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 (P.	ID)		109 %	71.5	-134	3020927	JH/	09-Feb-23	8021B	
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	
Surrogate: 1-Chlorooctadecane			102 %	49.1	-148	3020906	MS	09-Feb-23	8015B	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: CAZA Project Number: 2263 Project Manager: ETHA Fax To:		Reported: 14-Feb-23 10:40
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### **Inorganic Compounds - Quality Control**

		Cardir	1al Lab	oratories						
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%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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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Volatile Organic Compounds by EPA Method 8021 - Quality Control

		Reporting	TT '4	Spike	Source	0/DEC	%REC	DDD	RPD	<b>N</b> T (
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
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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#### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project Number:	CAZA FOREHAND RANCH 226349 ETHAN SESSUMS	Reported: 14-Feb-23 10:40
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# 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
Analyte	Kesuit	Liint	Units	Level	Kesuit	70KEC	Linits	KF D	Liiiit	Indies
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-BSD1)				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: 1	0-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	

# Cardinal Laboratories

\*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project Number:	CAZA FOREHAND RANCH 226349 ETHAN SESSUMS	Reported: 14-Feb-23 10:40
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# Volatile Organic Compounds by EPA Method 8021 - Quality Control

<b>Cardinal Laboratories</b>
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		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3020968 - Volatiles										
LCS (3020968-BS1)				Prepared: (	9-Feb-23 A	nalyzed: 1	0-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: (	9-Feb-23 A	nalyzed: 1	0-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			

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Petroleum Hydrocarbons by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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-BSD1)				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										
Rlank (3020006_RI K1)				Duomound 6	Analyzed.	00 Eat 22				

Blank (3020906-BLK1)			Prepared & Ana	lyzed: 09-Feb-23	3	 	
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	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project Number:	Caza Forehand Ranch 226349 Ethan Sessums	Reported: 14-Feb-23 10:40
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# Petroleum Hydrocarbons by GC FID - Quality Control

# **Cardinal Laboratories**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3020906 - General Prep - Organics										
LCS (3020906-BS1)				Prepared &	k 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-BSD1)				Prepared &	z 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			

## Cardinal Laboratories

## \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **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 $6^{\circ}\text{C}$

Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

SW-13 # 2/7/2023 x Comp x	SW-13 # 2/7/2023 x Comp x	Additional Comments: X Customer reguested Sample ID Chauses. To - 2/14	SW-13 A 2/7/2023 × Comp × ×	SW-12 A 2/7/2023 X Comp X X X	BV-2 (S-19 (7-7.5)   217/2023   x   Comp   x   x   x	DV-1 CS-17 (7-7.5)	-dv	VD-X (7-7.5') 2/7/2023 X Comp X X X	HD-	HD-2 (7-7.5') 2/7/2023 x Comp x x x A	HD-1 (7-7.5') 2/7/2023 X Comp X X X	dentification Date Time Soil Water Comp Cont	Corrected Temperature:	Yes No N/A Temperature Reading: 0 1	Seals: Yes No N/A Correction Factor: -O.U.C. P E G b	Yes No Thermometer ID:	+ DR(	lab, if received by 4:30pm	Jordan Tyner TAT starts the day received by the	Eddy County, NM Due Date:	ar: 226349 Routine Rush 48 H eode	Name: Caza Forehand Ranch Turn Around ANALYSIS REQUEST	254-266-5456 Email:			State of Project:	Program: UST/PST PRP	Rill to: (if different)	Work Order No:
	Received by: (Signature) Date/Time	l conditions 1 the control btiated.										Sample Comments		NaOH+Ascorbic Acid: SAPC			_			9		ervativ		ADaPT Other:	: Level III TLevel III TPST/UST TRRP Level IV	Project:	: UST/PST PRP Brownfields RRC uperfund	Work Order Comments	Work Order No: 10305

Released to Imaging: 5/16/2024 4:25:11 PM

**Chain of Custody** 



Page 20 of 20



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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



NTG ENVIRONMENTAL ETHAN SESSUMS 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received:	12/21/2023	Sampling Date:	12/21/2023
Reported:	12/28/2023	Sampling Type:	Soil
Project Name:	FOREHAND RANCH	Sampling Condition:	Cool & Intact
Project Number:	226349	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

#### Sample ID: CS - 17 5 FT (H236805-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	0						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL ETHAN SESSUMS 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received:	12/21/2023	Sampling Date:	12/21/2023
Reported:	12/28/2023	Sampling Type:	Soil
Project Name:	FOREHAND RANCH	Sampling Condition:	Cool & Intact
Project Number:	226349	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

#### Sample ID: CS - 19 5 FT (H236805-02)

BTEX 8021B	mg/	/kg	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL ETHAN SESSUMS 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To: 12/21/2023 Sampling Date:

Received:	12/21/2023	Sampling Date:	12/21/2023
Reported:	12/28/2023	Sampling Type:	Soil
Project Name:	FOREHAND RANCH	Sampling Condition:	Cool & Intact
Project Number:	226349	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

#### Sample ID: SW - 15 0-5 FT (H236805-03)

BTEX 8021B	mg/	/kg	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL ETHAN SESSUMS 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received:	12/21/2023	Sampling Date:	12/21/2023
Reported:	12/28/2023	Sampling Type:	Soil
Project Name:	FOREHAND RANCH	Sampling Condition:	Cool & Intact
Project Number:	226349	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

#### Sample ID: SW - 16 0-5 FT (H236805-04)

BTEX 8021B	mg	/kg	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL ETHAN SESSUMS 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received:	12/21/2023	Sampling Date:	12/21/2023
Reported:	12/28/2023	Sampling Type:	Soil
Project Name:	FOREHAND RANCH	Sampling Condition:	Cool & Intact
Project Number:	226349	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

#### Sample ID: SW - 17 0-5 FT (H236805-05)

BTEX 8021B	mg/	/kg	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL ETHAN SESSUMS 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received:	12/21/2023	Sampling Date:	12/21/2023
Reported:	12/28/2023	Sampling Type:	Soil
Project Name:	FOREHAND RANCH	Sampling Condition:	Cool & Intact
Project Number:	226349	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

#### Sample ID: SW - 18 0-5 FT (H236805-06)

BTEX 8021B	mg/	/kg	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **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

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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regotiated.	terms will be enforced unless previously	ot analyzed. These	o Aenco, but n		hv: (Cignatura)	Receiver		(Signature)	Relinquished by:	D
sion of conditions	subcontractors. It assigns standard terms	o, its affiliates and urred by the client	expenses incu	ity for any losses or sample submitted t	sume any responsibil charge of \$5 for each	shall not as roject and a	t of samples and upplied to each p	ge of \$85.00 will be a	of Xenco. A minimum cha	1PH
	of service. Xonco will be listed and relinquishment of samples constitutes a valid purchase order from client concentrative			rder from client com	tes a valid purchase o	les constitu	shment of samp	ocument and relinqui	Notice: Signature of this d	6/2
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		X X X	-	COMP	< >	+	12/21/2022	0-5ft	SW-17	-1
		X X X		COMP	< ;	+	12/21/2023	0-5ft	SW-16	+
		×			× ;	+	12/21/2023	0-5ft		S
		×	-	COMP	×	+	12/21/2023	5ft	CS-19	2
Sample Comments				COMP	×	9:00	12/21/2023	5ft	Τ	-
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			Code	[	2	xinn	Eddy Co. New Mexico	Eddy	Project Location	
	ANALYSIS REQUEST		Pres.	Rush	✓ Routine		226349		Project Number:	
ADaPT Other:				Turn Around	Turr	5	Forehand Ranch	Foi	Project Name:	
			global.com	esessums@ntglobal.com	Email:			8617-101-70+		
		Carlsbad, NM 88220		City, State ZIP:				120 704 04 50	Phone:	
State of Project:		209 W McKay Street		Hudress:			882200	Carlsbad NM 88220	City, State ZIP:	
8		NIGE		Addate in the state			y St	209 W McKay St	Address:	
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of 253



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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



NTG ENVIRONMENTAL ETHAN SESSUMS 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received:	02/09/2024	Sampling Date:	02/08/2024
Reported:	02/13/2024	Sampling Type:	Soil
Project Name:	FOREHAND 22 FED COM 6H	Sampling Condition:	Cool & Intact
Project Number:	226349	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY COUNTY, NM		

#### Sample ID: SW - 15 A 0-5' (H240634-01)

BTEX 8021B	mg,	/kg	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	67.7	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL ETHAN SESSUMS 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received:	02/09/2024	Sampling Date:	02/08/2024
Reported:	02/13/2024	Sampling Type:	Soil
Project Name:	FOREHAND 22 FED COM 6H	Sampling Condition:	Cool & Intact
Project Number:	226349	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY COUNTY, NM		

#### Sample ID: SW - 18 A 0-5' (H240634-02)

BTEX 8021B	mg/	kg	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.0	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

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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 SM4500CI-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

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

# Chain of Custody

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5	3 0	1 Mr.	Relinquished by: (Signature)	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 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 \$55.00 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.	Addit							SW-18A	SW-15A	Identification	Sample	Total Containers:	Sample Custody Seals	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO #	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone:	City, State ZIP:	Address:	Company Name:	Project Manager:		
			y: (Signature)	s document and reling e liable only for the cc harge of \$85.00 will b	Additional Comments:							0-5'	0-5'	Depth (tt bgs)			s: Yes	Yes	Kes			Ke	Edo		Forehand	432-701-2159	Carlsbad, NM 88220	209 W McKay St	NTG Environmental	Ethan Sessums	NTRONMENTA	
	~ ~	Siloo		uishment of samplost of samples and eapplied to each p								2/8/2024	2/8/2024	Date		N	NO NIA	NIA	No	Temp Blank:		Kellan Smith	Eddy Co, NM	226349	Forehand 22 Fed Com 6H		8220	¥.	ntal			
	. 1	odilion	Receive	les constitu shall not as roject and a										lime	1	Corrected	Temperatu	Correction Factor:	Thermometer ID:	Yes No					Ϋ́							
	0	ANA-	Received by: (Signature)	tes a valid purcha sume any respor charge of \$5 for								×	×	SOIL	2	Corrected Temperature:	Temperature Reading:	Factor:	eter ID:	Wet Ice:	lab, if rece	TAT starts the day received by the	Due Date:	Routine	Turn	Email:						
		/	ure)	ase order from nsibility for a each sample										water			2	1	14	(Yes	lab, if received by 4:30pm	day received	48hr	Rush	Turn Around	Email: esessums@ntglobal.com	City, State ZIP	Address:	Company Name	Bill to: (if different)		
				m client con ny losses o submitted								Comp	Comp	Comp	Grab/		19.		6	No	pm	d by the	T		/	s@ntglo	ZIP:		Name:	ferent)		1
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		9.24	Date/Time	incurred by ut not analy				+	+		+	×	×	-	трн	80			K 803	21B	0 + 1	MRO	)	-			Carlsbad, NM 88220	209 W McKay Street	NTGE	Ethan Sessums		-
		131X		iliates and the client yzed. These								×	×				с	hlor	ide 4	4500							NM 88220	Kay Stree		sums		
6	4	2	Relinquis	subcontrac if such loss terms will				-	-		_	+	+	-										-								
			quished	tors. It ass les are due be enforce																					ANAL							
			hed by: (Signature)	It assigns standard terms and conditions e due to circumstances beyond the contro nforced unless previously negotiated.									-					1						-	ANALYSIS REQUEST							
			nature)	lard terms stances be reviously r					+			+	+	+										$\vdash$	QUEST	Delive	Repo	State	Progr			
	T	T		and condi yond the c negotiated.																						Deliverables: EDD	ting:Leve	State of Project:	am: UST			
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			gnature						_				-			Na	Ln Ln				H <sub>2</sub>	Н	Co	No		AUari	LPSI/USI		rownfie	der Con	No:	,
												8			Samp	NaUH+Ascorbic Acid: SAPC	Zn Acetate+NaUH: Zn	Na25203: Na503	NaHSU4: NABIS	H <sub>3</sub> PO <sub>4</sub> : HP	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	HCL: HC	Cool: Cool	None: NO	Prese				Program: UST/PST PRP Brownfields RRC	Work Order Comments	Work Order No: H240U34	
			Dat												Sample Comments	OFDIC ACI	+NaUH: 2	asu3	ABIS	200	Na	HN	Me	DI	Preservative Codes	Oulei.					1 003	
			Date/Time												ments	SAPL		ĩ			NaOH: Na	HNO3: HN	MeOH: Me	DI Water: H <sub>2</sub> O	Codes				uperfund			
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# Received by OCD: 5/16/2024 1:08:16 PM

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Page 5 of 5

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

District III

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

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

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

QUESTIONS

Action 344705

Operator:	OGRID:
CAZA OPERATING, LLC	249099
200 N Loraine St	Action Number:
Midland, TX 79701	344705
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

#### QUESTIONS Droroguioitoo

rierequisites						
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	Νο				
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. Cause: Equipment Failure | Well | Crude Oil | Released: 2 BBL | Recovered: 2 BBL | Lost: 0 Crude Oil Released (bbls) Details BBL Cause: Equipment Failure | Well | Produced Water | Released: 8 BBL | Recovered: 8 BBL | Produced Water Released (bbls) Details 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 Not answered. Other, Specify, Unknown, and/or Fire, or any negative lost amounts)

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

District III

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

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

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

**QUESTIONS** (continued)

Operator:	OGRID:
CAZA OPERATING, LLC	249099
200 N Loraine St	Action Number:
Midland, TX 79701	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.					
	liation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of sted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.					
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 o 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 he 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 vater, 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 ocal 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					

Action 344705

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

#### District III

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

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

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

**QUESTIONS** (continued)

Operator:	OGRID:
CAZA OPERATING, LLC	249099
200 N Loraine St	Action Number:
Midland, TX 79701	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 elease 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 ar	d 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 questio	ns 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 repo	rt 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 Samp	ling: (Provide the highest observable value for each, in mil	ligrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI 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
	.11 NMAC unless the site characterization report includes completed d timelines for beginning and completing the remediation.	efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
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 m	easurements 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 pro	posed remediation measures may have to be minimally adjusted in a	ccordance with the physical realities encountered during remediation. If the responsible party has any need to

esponsible 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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QUESTIONS, Page 3

Action 344705

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

District III

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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

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QUESTIONS, Page 4

Action 344705

**QUESTIONS** (continued) Operator: OGRID: CAZA OPERATING, LLC 249099 200 N Loraine St Action Number Midland, TX 79701 344705 Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

#### QUESTIONS

Remediation Plan (continued)

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.			
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:				
(Select all answers below that apply.)				
(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.			
<b>OR</b> is the <b>off-site</b> 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			
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed eff which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,			
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a	nowledge and understand that pursuant to OCD rules and regulations all operators are required ses which may endanger public health or the environment. The acceptance of a C-141 report by idequately investigate and remediate contamination that pose a threat to groundwater, surface does not relieve the operator of responsibility for compliance with any other federal, state, or			
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			

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

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Action 344705

QUESTIONS (continued)			
Operator:	OGRID:		
CAZA OPERATING, LLC	249099		
200 N Loraine St	Action Number:		
Midland, TX 79701	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			
	ately under or around production equipment such as production tanks, wellheads and pipelines where may be deferred with division written approval until the equipment is removed during other operations, or when			
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 eff which includes the anticipated timelines for beginning and completing the remediation.	orts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,			
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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# **State of New Mexico** Energy, Minerals and Natural Resources **Oil Conservation Division** 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 6

Action 344705

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**QUESTIONS** (continued)

Operator:	OGRID:
CAZA OPERATING, LLC	249099
200 N Loraine St	Action Number:
Midland, TX 79701	344705
Γ	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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# **State of New Mexico** Energy, Minerals and Natural Resources **Oil Conservation Division** 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
CAZA OPERATING, LLC	249099
200 N Loraine St	Action Number:
Midland, TX 79701	344705
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

#### CONDITIONS

Created By Condition Condition Date 5/16/2024 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.

Action 344705