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	nAPP2232138798
District RP	
Facility ID	fAPP2128533545
Application ID	

Release Notification

Responsible Party

Responsible Party: Earthstone Operating, LLC	OGRID: 331165
Contact Name: Chris Martin	Contact Telephone: 432-253-9998 Ext. 2653
Contact email: cmartin@earthstoneenergy.com	Incident # *(assigned by OCD):* nAPP2232138798
Contact mailing address: 600 N. Marienfeld, Suite 1000, Midland, TX 79701	

Location of Release Source

Latitude 32.487557 Longitude -103.613716
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Sombrero 18 Federal Com Tank Battery	Site Type Flare
Date Release Discovered November 5, 2022	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
N	7	21S	33E	Lea

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☒ Private (*Name:* T Over V Ranch Land LLLP)

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls): 22	Volume Recovered (bbls): 0
☐ Produced Water	Volume Released (bbls):	Volume Recovered (bbls):
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Another operator was fracking in the area and communicated with an on-site well which caused fluid to be released from the flare. The on-site wells were shut in.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2232138798
District RP	
Facility ID	fAPP2128533545
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
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.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

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

Printed Name: Rebecca Haskell Title: Senior Project Manager

Signature: Rebecca Haskell Date: 11/17/22

email: bhaskell@ntglobal.com Telephone: 432-766-1918

OCD Only

Received by: Jocelyn Harimon Date: 11/17/2022

Incident ID	nAPP2232138798
District RP	
Facility ID	fAPP2128533545
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	>100 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☒ Yes ☐ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2232138798
District RP	
Facility ID	fAPP2128533545
Application ID	

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

Printed Name: Rebecca Haskell Title: Senior Project Manager

Signature: Rebecca Haskell Date: 12/23/22

email: bhaskell@ntglobal.com Telephone: 432-766-1918

OCD Only

Received by: Jocelyn Harimon Date: 12/27/2022

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2232138798
District RP	
Facility ID	fAPP2128533545
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

☒ Detailed description of proposed remediation technique
☒ Scaled sitemap with GPS coordinates showing delineation points
☒ Estimated volume of material to be remediated
☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Rebecca Haskell Title: Senior Project Manager

Signature: Rebecca Haskell Date: 12/23/22

email: bhaskell@ntglobal.com Telephone: 432-766-1918

OCD Only

Received by: Jocelyn Harimon Date: 12/27/2022

☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Jennifer Nobui Date: 01/20/2023

December 23, 2022

New Mexico Oil Conservation Division
District 1
1625 N. French Drive
Hobbs, New Mexico 88240

Re: Site Characterization and Remediation Work Plan
Sombrero 18 Fed Com Tank Battery
Earthstone Operating, LLC.
Incident ID: nAPP2232138798
N-07-21S-33E, Lea County, New Mexico

1. Introduction

New Tech Global Environmental, LLC (NTGE), on behalf of Earthstone Operating, LLC (Earthstone), submits this Site Characterization and Remediation Work Plan to the New Mexico Oil Conservation Division (NMCOD) District 1 Office. This report provides documentation of initial soil delineation, sampling, and analyses conducted in the affected areas at the Earthstone Sombrero 18 Fed Com Tank Battery Release Site (Site). The proposed remediation activities are also enclosed for NMOCD considerations. The Site is located in Unit Letter N, Section 07, of Township 21 South and Range 33 East in Lea County, New Mexico. The GPS coordinates for the release site are 32.487557º N latitude and -103.613716º W longitude. The release occurred on private land owned by T Over V Ranch Land LLLP. Figures 1 and 2 depict the Site location. The footprint of the release area is depicted on Figure 3.

2. Background

A C-141, Release Notification, for this release was submitted to the NMOCD on November 17, 2022. The C-141 stated that twenty-two (22) barrels (bbls) of crude oil were released with zero (0) recovered for a net loss of twenty-two (22) bbls crude. The release was due to a second operator fracking in the vicinity which communicated with the on-site wells which caused liquids to be released from the flare. The on-site well was immediately shut-in.

The release falls under the jurisdiction of the NMOCD District 1 Office in Hobbs, New Mexico. The NMOCD assigned the release with Incident Number nAPP2232138798. The Release Notification, Site Assessment/Characterization, and Remediation Plan portions of Form C-141 are attached to the front of this report.

3. Groundwater and Site Characterization

NTGE characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release (Table I), from New Mexico Administrative Code (NMAC) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12).

The area is located in an area of low karst potential with the closest water well (USGS 322851103365201) located approximately 0.27 miles from the release site with a measured groundwater depth of 131.01 feet below ground surface (bgs) measured on December 17, 2015. No other receptors were noted within the specified boundaries or distancing from the site. Figure 3, Delineation Sample Location Map, depicts the

boundary of the release. The Site characterization documentation (NM Oil and Gas Map, USGS well information, USGS Well Map, Karst Potential, Significant Watercourse Map, Notional Wetland Map, and FEMA National Flood Hazard Map) are provided as Attachment A. According to the Site characterization evaluation and 19.15.29.12.C(4)(a)(i), the Site is located within an area with depth to groundwater greater than one hundred (100) feet and meets the Closure Criteria for depth to groundwater greater than one hundred (100) feet in Table I. The soil and closure criteria are listed below:

General Site Characterization and Groundwater: Table 3.1

Site Characterization	Average Groundwater Depth (feet)
No Receptors Found	>100

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

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	TPH (GRO+MRO)	Total BTEX	Benzene
19.15.29.12 NMAC Table I Closure Criteria for Soils Impacted by a Release	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
Notes: --- = not defined					

Table 3.2 Closure Criteria for Soils Impacted by a Release surface to 4.0 feet bgs and off pad (NMAC 19.15.29.13)

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	TPH (GRO+MRO)	Total BTEX	Benzene
19.15.29.13 NMAC Table I Closure Criteria for Soils Impacted by a Release (Surface to 4 feet bgs.)	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
Notes: --- = not defined					

4. Initial Excavation and Soil Delineation Assessment Summary and Findings

Initial excavation of the area commenced on November 11, 2022, with the area adjacent to the flare excavated to depths ranging from surface to two (2) feet bgs. The drainage area to the south of the flare was excavated to depths ranging from three (3) bgs to six and a half (6.5) feet bgs. Figure 3, Delineation Sample Location Map, depicts the outline of the release and excavation depths.

After initial excavation activities, on November 22, 2022, NTGE collected fifteen (15) grab delineation samples, S-1 through S-15, adjacent and within the suspected impacted area of the flare. Soil samples were collected at depths ranging from surface to two (2) feet bgs. Due to the local geology deeper samples could not be collected. All soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, total petroleum hydrocarbons (TPH) by EPA Method 8015B Modified, and chloride by EPA Method 300.0 by Eurofins Environmental Testing (Eurofins) in Midland, Texas.

None of the samples exhibited Benzene or BTEX concentrations above 19.15.29.12 and 19.15.29.13 Table I Closure Criteria. Analytical results indicated five (5) samples exhibited chloride concentrations above 19.15.29.13 Table I Closure Criteria of six hundred (600) milligrams per kilogram (mg/Kg) for surface to four (4) feet bgs, S-1, S-2, S-3, S-7, and S-8. Five (5) samples exhibited TPH concentrations exceeding

19.15.29.13 Table I Closure Criteria of one hundred (100) mg/Kg, S-5, S-6, S-9, S-12, and S-13. Three (3) samples exhibited TPH concentrations exceeding 19.15.29.12 Table I Closure Criteria, S-7, S-8, and S-11. All other samples exhibited TPH concentrations below Table I Closure Criteria. See Table 1 for analytical results. Figure 3, Delineation Sample Location Map, depicts the locations of the initial delineation samples. Analytical results are provided on Table 1, Summary of Soil Analytical Data, and in the Laboratory Analytical Reports and Chain-of-Custody Documentation provided in Attachment C. A Photographic Log is provided in Attachment B.

5. nAPP2232138798 Proposed Work Plan

Excavation activities have been started in the area adjacent to the flare and have been completed within the drainage ditch, unless confirmation samples indicated further excavation activities are needed. From November 15, 2022 through December 9, 2022, 2,481 cubic yards of soil was transported to Lazy Ace Landfarm (Permit # NM 01-0041) and 144.89 tons of soil was transported to the Lea Land disposal facility (WM-1-035) for disposal. Below are the proposed remediation activities to be performed:

- Confirmation samples will be collected from the excavated drainage ditch, south of the flare. Confirmation samples of the sidewalls and the bottom of the excavated areas will be collected by way of five (5) point composite samples. Due to the size of the excavation, NTGE, on behalf of Earthstone, proposes the confirmation composite samples represent areas no greater than four hundred (400) square feet to ensure that the soils meet the requirements set forth by NMAC 19.15.29.12 and 19.15.29.13. Discrete soil samples will be collected from the sidewalls and bottom of the excavation if any staining is observed.

- If any of the confirmation samples collected within the drainage ditch area exhibit any benzene, BTEX, TPH, or chloride concentration exceedances of 19.15.29.12 or 19.15.29.13 the areas will be further excavated until concentrations are below Table I Closure Criteria or until it is safe to do so.

- The areas represented by S-1 through S-3 and S-7 through S-8 will be excavated up to four (4) feet bgs or until chloride concentrations are less than 19.15.29.13 (600 mg/Kg) for site restoration.

- The areas represented by S-5, S-6, S-9, S-12, and S-13 will be excavated up to four (4) feet bgs or until TPH concentrations are less than 19.15.29.13 (100 mg/Kg) for site restoration.

- The areas represented by S-7, S-8, and S-11 will be excavated to a depth where the TPH concentrations are less than 19.15.29.12 (1,000 mg/Kg for GRO+DRO and 2,500 mg/Kg for GRO+DRO+MRO) or until it is safe to do so.

- Confirmation bottom hole and sidewall samples will be collected from the excavated areas adjacent to the flare by way of five (5) point composite samples. Due to the size of the excavation, NTGE, on behalf of Earthstone, proposes the confirmation composite samples represent areas no greater than four hundred (400) square feet to ensure that the soil meet the requirements set forth by NMAC 19.15.29.12 and 19.15.29.13. Discrete soil samples will be collected from the sidewalls and bottom of the excavation if any staining is observed.

All confirmation samples will be taken to a certified laboratory and analyzed for BTEX by EPA Method 8021B, TPH by EPA Method 8015B Modified and chloride by EPA Method 300.0.

Excavated soils will be transported to a NMOCD-approved disposal facility for disposal. The anticipated volume of soil to be excavated and disposed of from the area adjacent to the flare is approximately 911 to 5,605 cubic yards, depending on the final depth of the excavated areas. It is anticipated that remediation activities will be completed within ninety (90) days after work plan approval. A closure report documenting remediation activities will be prepared and submitted to the NMOCD when remediation activities have been completed. If any areas can't be excavated to meet 19.15.29.12 and 19.15.29.13 Table I Closure Criteria due to safety concerns a request for deferral will be submitted.

If you have any questions or comments concerning this Site Characterization and Remediation Work Plan Report, please do not hesitate to contact our Midland, Texas office at (432) 685-3898.

Sincerely,

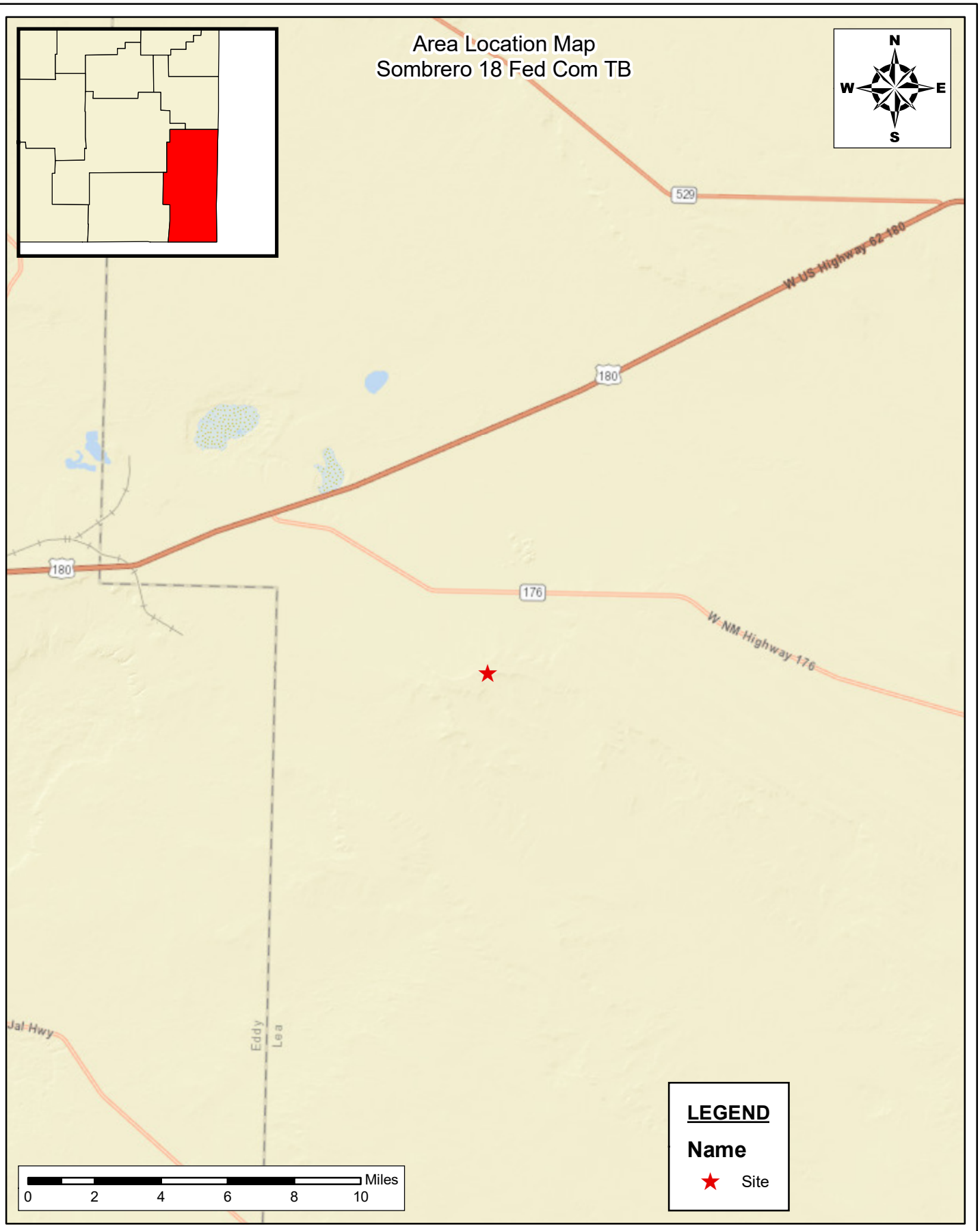
NTG Environmental

Becky Haskell
Senior Project Manager

Jeffrey Kindley, P.G
Senior Project Manager/Geologist

Encl. Figure 1 – Area Location Map
Figure 2 – Topographic Location Map
Figure 3 – Delineation Sample Location Map
Table 1 – Summary of Soil Analytical Data
Attachment A – Site Characterization Documentation
Attachment B – Photographic Log
Attachment C – Laboratory Analytical Reports and Chain-of-Custody Documentation

FIGURES



Area Location Map
Earthstone Operating, LLC
Sombrero 18 Fed Com Tank Battery
Lea County, New Mexico
32.487557, -103.613716

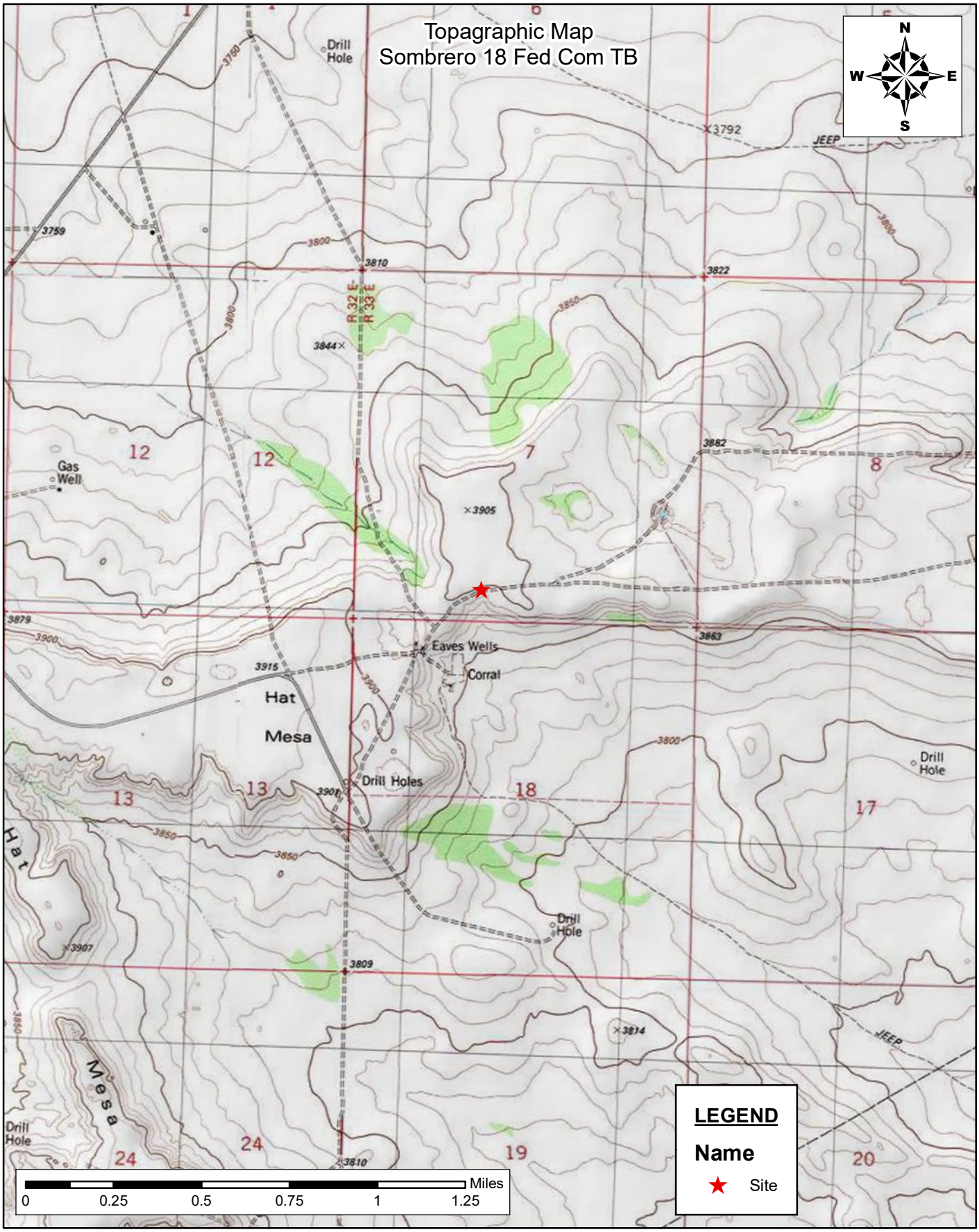
SCALE: As Shown | DATE: 11/30/2022 | PROJECT #: 226530

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

NOTES:
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1

Document Path: P:\2022 PROJECTS\EARTHSTONE ENERGY\RSC\226530 Sombrero 18 Fed Com TB\7 - Figures\GIS\GIS Data\Figure_1_area Map_DH.mxd



Topographic Location Map
Earthstone Operating, LLC
Sombrero 18 Fed Com Tank Battery
Lea County, New Mexico
32.487557, -103.613716

SCALE: As Shown | DATE: 11/30/2022 | PROJECT #: 226530

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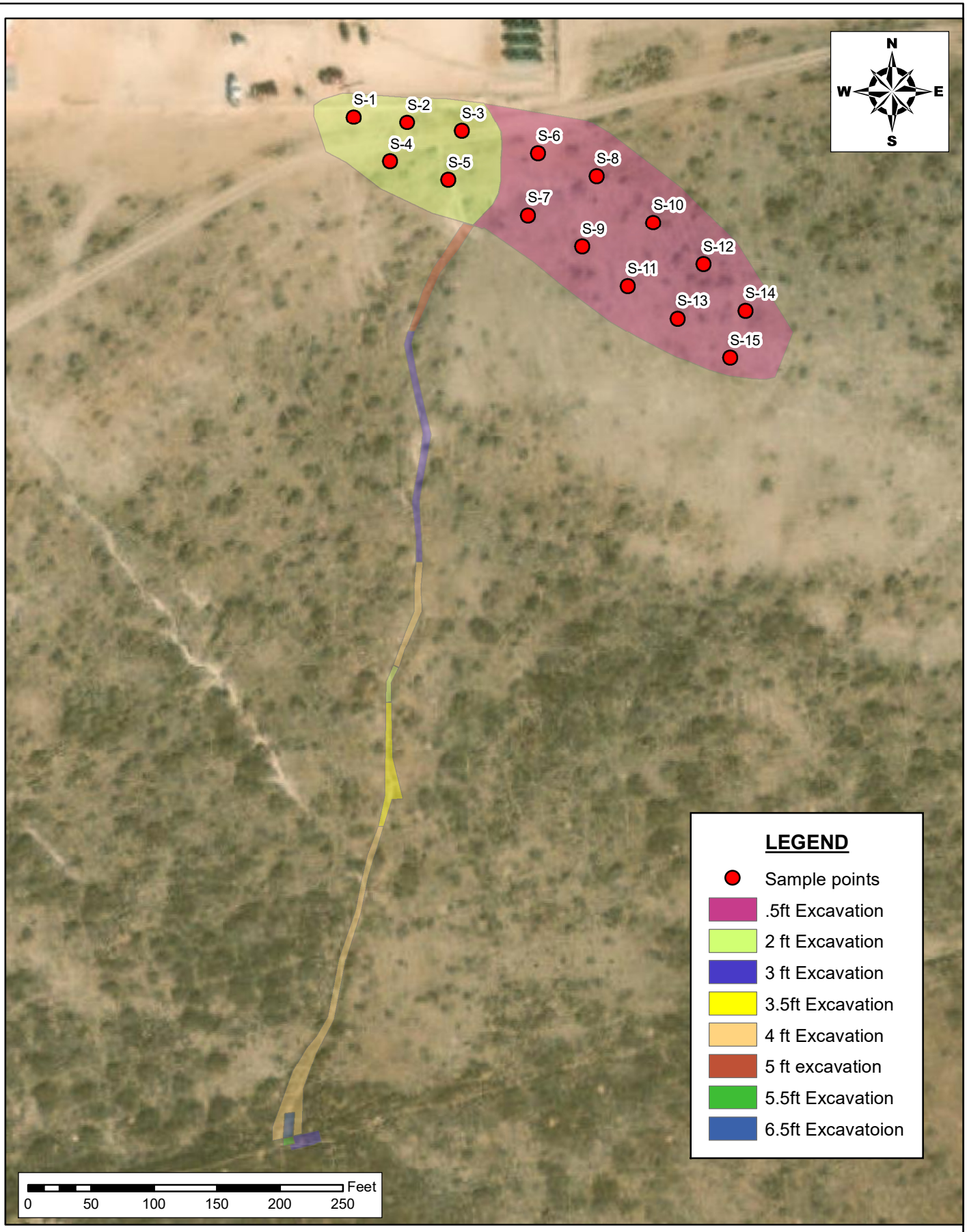
NOTES:
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 2
SHEET NUMBER:
1 of 1

Document Path: P:\2022 PROJECTS\EARTHSTONE ENERGY\RSC\226530 Sombrero 18 Fed Com TB\7 - Figures\GIS\GIS Data\Figure_2_area Map_DH.mxd



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DELINEATION SAMPLE LOCATION MAP
Earthstone Operating, LLC
Sombrero 18 Fed Com Tank Battery
Lea County, New Mexico
32.487557, -103.613716

SCALE: As Shown	Date: 12/23/2022	PROJECT #: 226530

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

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

DRAWING NUMBER:
FIGURE 3
SHEET NUMBER:
1 of 1

TABLES

Table 1
Summary of Soil Analytical Data
Sombrero 18 Fed Com Tank Battery
Earthstone Energy
Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C-10)	DRO (C10-C28)	GRO + DRO	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	20,000 mg/kg
S-1	11/22/2022	(2')	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<49.9	54.5	54.5	<49.9	**54.5**	**1,340**
S-2	11/22/2022	(2')	0.00284	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	**907**
S-3	11/22/2022	(2')	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	**860**
S-4	11/22/2022	(2')	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	**317**
S-5	11/22/2022	(2')	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	**387**	**387**	<50.0	**387**	**225**
S-6	11/22/2022	(0-0.5')	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	**408**	**408**	<49.9	**408**	**205**
S-7	11/22/2022	(0-0.5')	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	278	**4,970**	**5,248**	<50.0	**5,250**	**870**
S-8	11/22/2022	(0-0.5')	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<49.9	**2340**	**2,340**	<49.9	**2,340**	**693**
S-9	11/22/2022	(0-0.5')	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	**598**	**598**	<49.9	**598**	**53.2**
S-10	11/22/2022	(0-0.5')	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	**49.9**
S-11	11/22/2022	(0-0.5')	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	**1850**	**1,850**	<49.9	**1,850**	**223**
S-12	11/22/2022	(0-0.5')	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	**568**	**568**	<50.0	**568**	**228**
S-13	11/22/2022	(0-0.5')	<0.00199	0.00233	<0.00199	0.00660	0.00893	<50.0	**562**	**562**	<50.0	**562**	**79.3**
S-14	11/22/2022	(0-0.5')	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	**18.7**
S-15	11/22/2022	(0-0.5')	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	**95.8**	**95.8**	<50.0	**95.8**	**20.6**

Notes:

1. Values reported in mg/kg
2.< = Value Less Than Reporting Limit (RL)
3. Bold indicates Analyte Detected
4. BTEX analyses by EPA Method SW 8021B
~~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).
9. --- Not Analyzed

Table 2
Daily Disposal Summary
Sombrero 18 Fed West Tank Battery
Earthstone Operating, LLC
Lea, County, New Mexico

Lazy Ace	
Date of Disposal	**Total Cubic Yards Disposed**
11/15/2022	252
11/16/2022	210
11/17/2022	336
11/18/2022	84
11/19/2022	225
11/21/2022	225
11/22/2022	225
11/30/2022	273
12/1/2022	336
12/5/2022	315
Project Total	**2,481**

Lea Land Disposal Site New Mexico		
Date of Disposal	**Total Pounds Disposed**	**Total Tons Disposed**
12/6/2022	250,360	125.18
12/9/2022	39,420	19.71
Project Total	**289,780**	**144.89**

ATTACHMENT A: SITE CHARACTERIZATION DOCUMENTATION

Sombrero 18 Federal Com Tank Battery

12/23/2022, 11:20:02 AM

- USGS Historical GW Wells
- USGS Active Monitoring GW Wells
- Karst Occurrence Potential
  - Low
- OSE Streams
- PLSS Second Division
- PLSS First Division

1:4,514

0 0.05 0.1 0.19 mi

0 0.07 0.15 0.3 km

BLM, OCD, New Mexico Tech, Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc,

New Mexico Oil Conservation Division

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

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

- Effective October 24, 2022 hyperlinks to legacy Current Condition pages will automatically redirect users to the corresponding Monitoring Location page. Please see the Water Data For The Nation Blog for full details, including how to navigate back to the legacy Current Condition page, if desired.
- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 322851103365201

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

USGS 322851103365201 21S.33E.18.12314

Lea County, New Mexico
Latitude 32°29'06.6", Longitude 103°37'00.6" NAD83
Land-surface elevation 3,883 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1965-11-16		D	62610		3764.22	NGVD29	1	Z			A
1965-11-16		D	62611		3765.86	NAVD88	1	Z			A
1965-11-16		D	72019	117.14			1	Z			A
1968-03-21		D	62610		3764.19	NGVD29	1	Z			A
1968-03-21		D	62611		3765.83	NAVD88	1	Z			A
1968-03-21		D	72019	117.17			1	Z			A
1971-02-04		D	62610		3763.86	NGVD29	1	Z			A
1971-02-04		D	62611		3765.50	NAVD88	1	Z			A
1971-02-04		D	72019	117.50			1	Z			A
1972-09-12		D	62610		3764.56	NGVD29	1	Z			A
1972-09-12		D	62611		3766.20	NAVD88	1	Z			A
1972-09-12		D	72019	116.80			1	Z			A
1976-12-16		D	62610		3766.56	NGVD29	1	Z			A
1976-12-16		D	62611		3768.20	NAVD88	1	Z			A
1976-12-16		D	72019	114.80			1	Z			A
1981-03-10		D	62610		3765.71	NGVD29	1	Z			A
1981-03-10		D	62611		3767.35	NAVD88	1	Z			A
1981-03-10		D	72019	115.65			1	Z			A
1986-03-20		D	62610		3766.51	NGVD29	1	Z			A
1986-03-20		D	62611		3768.15	NAVD88	1	Z			A
1986-03-20		D	72019	114.85			1	Z			A
1991-04-18		D	62610		3766.53	NGVD29	1	Z			A
1991-04-18		D	62611		3768.17	NAVD88	1	Z			A
1991-04-18		D	72019	114.83			1	Z			A
1996-02-20		D	62610		3765.61	NGVD29	1	S			A
1996-02-20		D	62611		3767.25	NAVD88	1	S			A
1996-02-20		D	72019	115.75			1	S			A
2015-12-17	22:00 UTC	m	62610		3750.35	NGVD29	P	S	USGS	S	A
2015-12-17	22:00 UTC	m	62611		3751.99	NAVD88	P	S	USGS	S	A
2015-12-17	22:00 UTC	m	72019	131.01			P	S	USGS	S	A

Explanation

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

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

Accessibility FOIA Privacy Policies and Notices

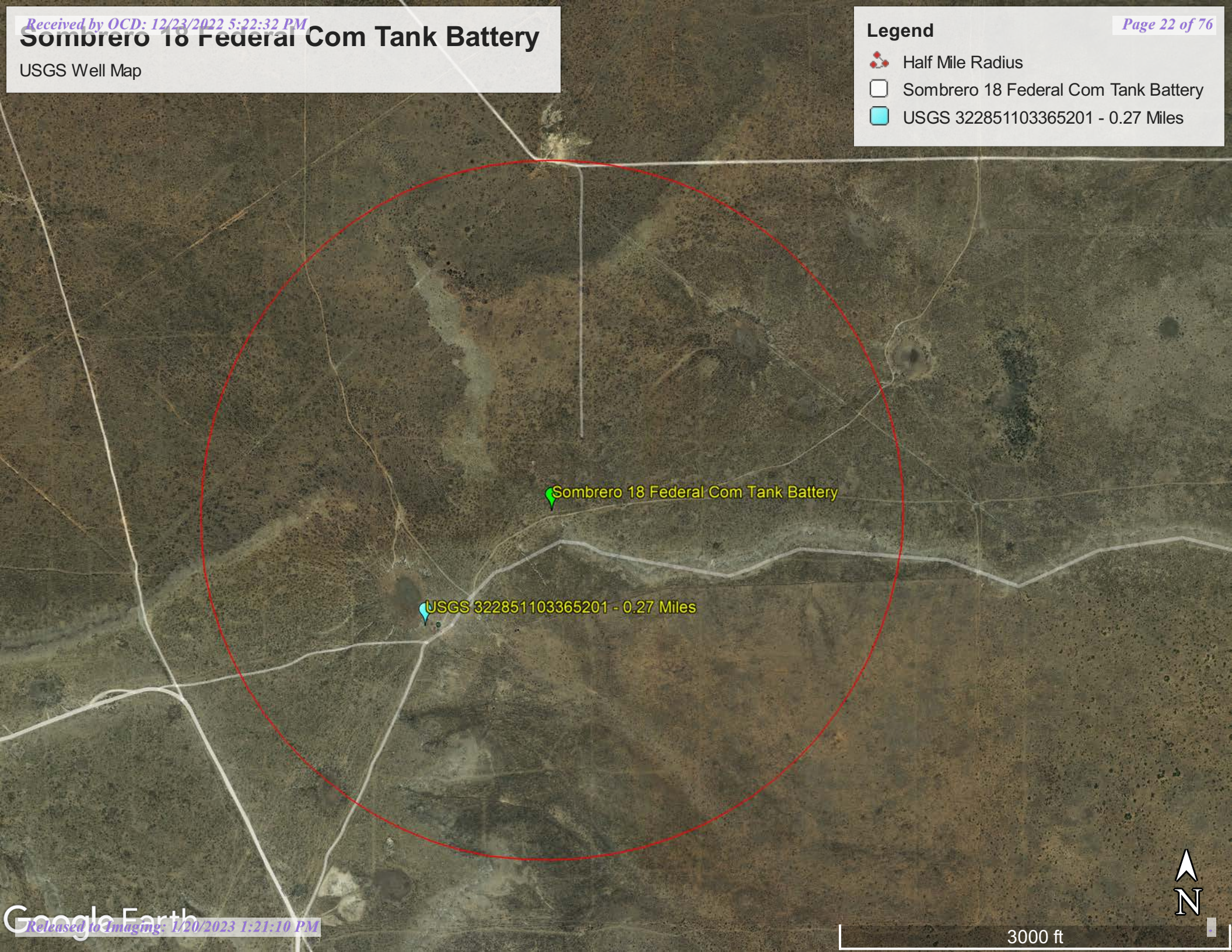
U.S. Department of the Interior | U.S. Geological Survey

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

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2022-11-07 15:40:37 EST
0.31 0.26 nadww02

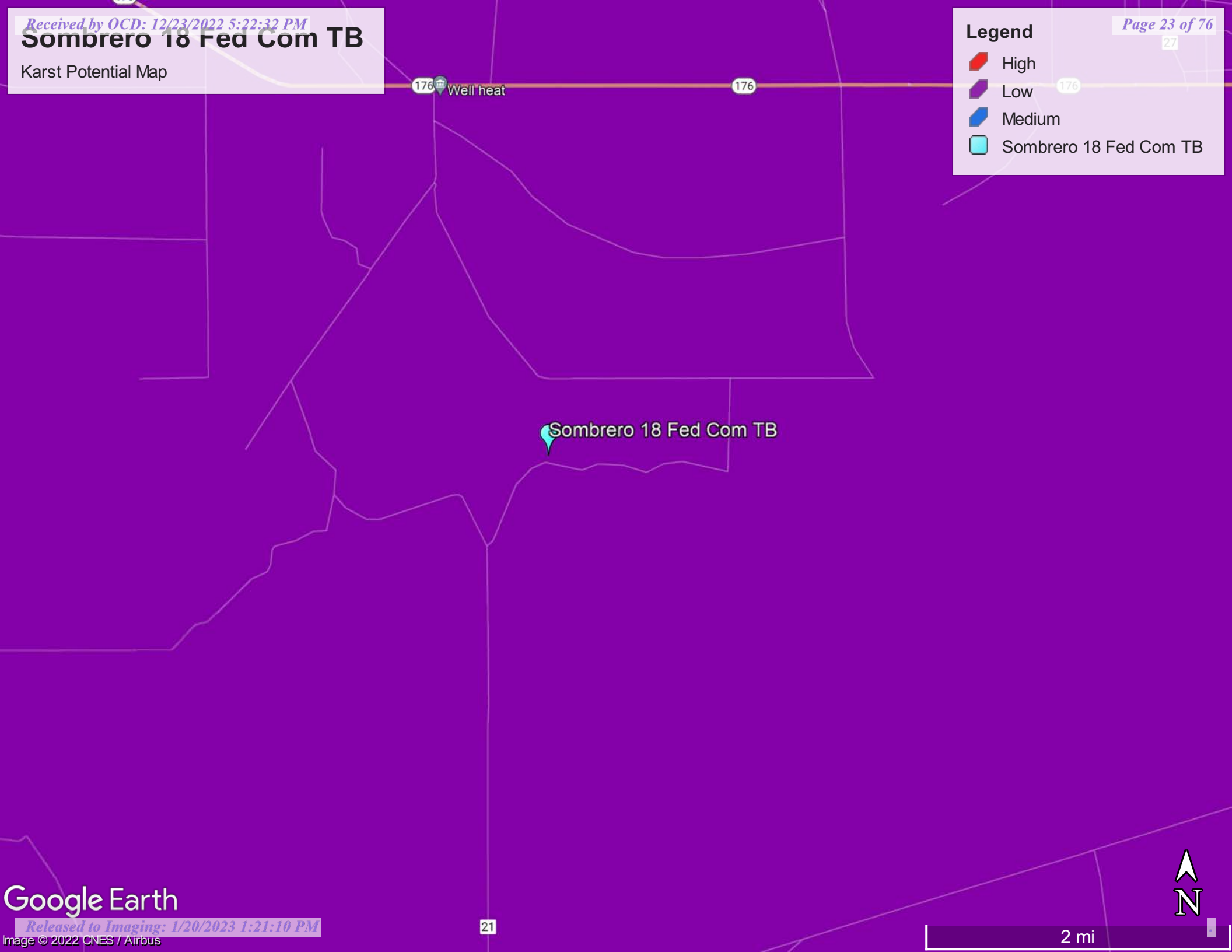
Sombrero 18 Federal Com Tank Battery

USGS Well Map



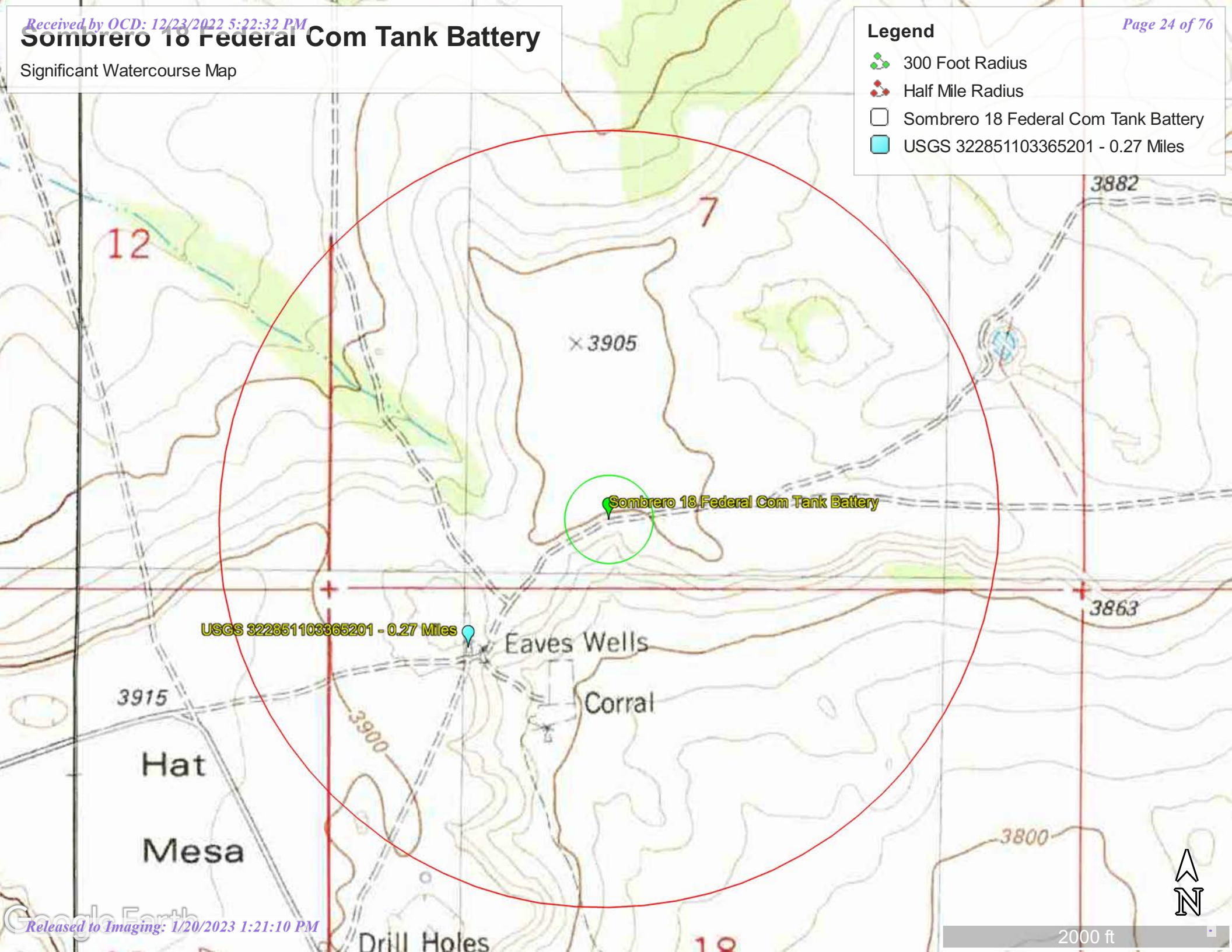
Sombrero 18 Fed Com TB

Karst Potential Map



Sombrero 18 Federal Com Tank Battery

Significant Watercourse Map



U.S. Fish and Wildlife Service
National Wetlands Inventory

Sombrero 18 Fed Com Tank Battery

November 7, 2022

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

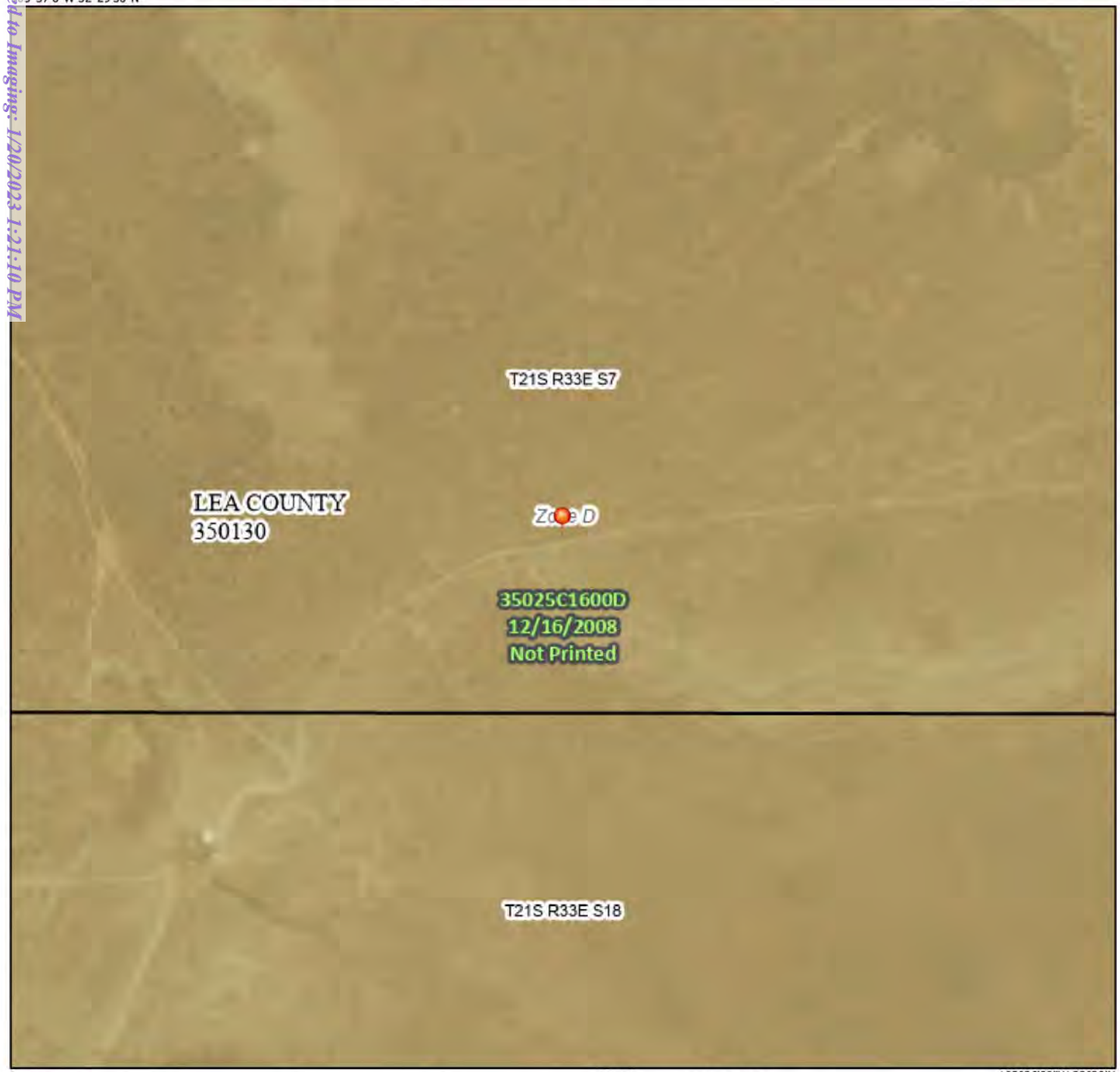
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

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

National Flood Hazard Layer FIRMette

FEMA

103°37'6"W 32°29'30"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°36'29"W 32°29'N

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

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

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 11/7/2022 at 4:56 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

ATTACHMENT B: PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

Earthstone Operating Sombrero 18 Federal Com Tank Battery

Photograph No. 1

Facility: Sombrero 18 Fed Com TB

County: Lea

Date: 12/13/2022

Description:
View of excavation adjacent to the flare.

Photograph No. 2

Facility: Sombrero 18 Fed Com TB

County: Lea

Date: 12/13/2022

Description:
View of excavation adjacent to the flare.

PHOTOGRAPHIC LOG

Earthstone Operating Sombrero 18 Federal Com Tank Battery

Photograph No. 3

Facility: Sombrero 18 Fed Com TB

County: Lea

Date: 12/13/2022

Description:
View of excavation adjacent to the flare.

Photograph No. 4

Facility: Sombrero 18 Fed Com TB

County: Lea

Date: 11/21/2022

Description:
View of drainage ditch excavation.

PHOTOGRAPHIC LOG

Earthstone Operating Sombrero 18 Federal Com Tank Battery

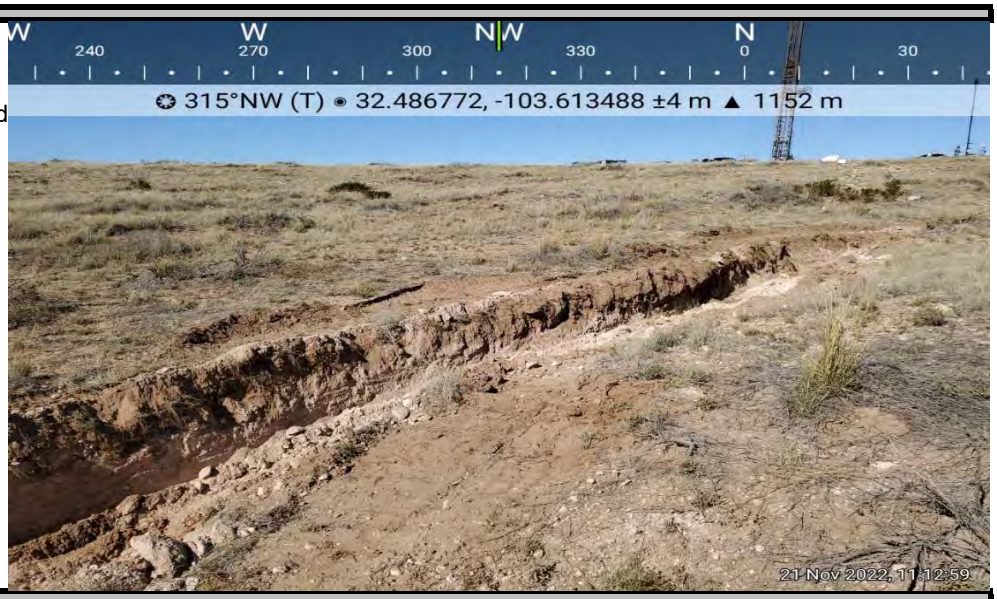
Photograph No. 5

Facility: Sombrero 18 Fed Com TB

County: Lea

Date: 11/21/2022

Description:
View of drainage ditch excavation.



Photograph No. 6

Facility: Sombrero 18 Fed Com TB

County: Lea

Date: 11/21/2022

Description:
View of drainage ditch excavation.

PHOTOGRAPHIC LOG

Earthstone Operating Sombrero 18 Federal Com Tank Battery

Photograph No. 7

Facility: Sombrero 18 Fed Com TB

County: Lea

Date: 11/21/2022

Description:
View of drainage ditch excavation.

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Gordon Banks
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Generated 12/5/2022 2:13:07 PM

JOB DESCRIPTION

Sombrero 18 Com TB
SDG NUMBER Eddy Co NM

JOB NUMBER

890-3544-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

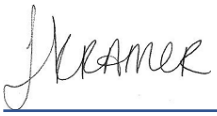
See page two for job notes and contact information.

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



Generated
12/5/2022 2:13:07 PM

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

Client: NT Global
Project/Site: Sombrero 18 Com TB

Laboratory Job ID: 890-3544-1
SDG: Eddy Co NM

Table of Contents

Definitions/Glossary

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

Job ID: 890-3544-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3544-1

Receipt
The samples were received on 11/22/2022 12:18 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 4.0°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (2) (890-3544-1), S-2 (2) (890-3544-2), S-3 (2) (890-3544-3), S-4 (2) (890-3544-4), S-5 (2) (890-3544-5), S-6 (0-0.5) (890-3544-6), S-7 (0-0.5) (890-3544-7), S-8 (0-0.5) (890-3544-8), S-9 (0-0.5) (890-3544-9), S-10 (0-0.5) (890-3544-10), S-11 (0-0.5) (890-3544-11), S-12 (0-0.5) (890-3544-12), S-13 (0-0.5) (890-3544-13), S-14 (0-0.5) (890-3544-14) and S-15 (0-0.5) (890-3544-15).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: S-1 (2) (890-3544-1), S-7 (0-0.5) (890-3544-7), S-9 (0-0.5) (890-3544-9), S-13 (0-0.5) (890-3544-13), S-14 (0-0.5) (890-3544-14) and (890-3544-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-40626 and analytical batch 880-40844 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 surrogate recovery for the blank associated with preparation batch 880-40514 and analytical batch 880-40408 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-40514/2-A) and (LCSD 880-40514/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-21947-A-1-D). 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-1 (2) (890-3544-1), S-2 (2) (890-3544-2), S-3 (2) (890-3544-3), S-4 (2) (890-3544-4), S-5 (2) (890-3544-5), S-6 (0-0.5) (890-3544-6), S-7 (0-0.5) (890-3544-7), S-8 (0-0.5) (890-3544-8) and S-9 (0-0.5) (890-3544-9). 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-10 (0-0.5) (890-3544-10), S-11 (0-0.5) (890-3544-11), S-12 (0-0.5) (890-3544-12), S-13 (0-0.5) (890-3544-13), S-14 (0-0.5) (890-3544-14) and S-15 (0-0.5) (890-3544-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The method blank for preparation batch 880-40514 and analytical batch 880-40408 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-40514 and analytical batch 880-40408 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.

Case Narrative

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

Job ID: 890-3544-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-40388 and analytical batch 880-40546 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

Client Sample ID: S-1 (2)

Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18
Sample Depth: 2

Lab Sample ID: 890-3544-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		11/29/22 16:06	12/03/22 12:03	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		11/29/22 16:06	12/03/22 12:03	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		11/29/22 16:06	12/03/22 12:03	1
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.00401		mg/Kg		11/29/22 16:06	12/03/22 12:03	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		11/29/22 16:06	12/03/22 12:03	1
Xylenes, Total	<0.00401	U F1	0.00401		mg/Kg		11/29/22 16:06	12/03/22 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*11/29/22 16:06*	*12/03/22 12:03*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*11/29/22 16:06*	*12/03/22 12:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/05/22 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**54.5**		49.9		mg/Kg			11/29/22 12:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/28/22 16:34	11/29/22 02:55	1
Diesel Range Organics (Over C10-C28)	**54.5**		49.9		mg/Kg		11/28/22 16:34	11/29/22 02:55	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/28/22 16:34	11/29/22 02:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*139*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 02:55*	*1*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 02:55*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1340**		24.8		mg/Kg			11/29/22 10:28	5

Client Sample ID: S-2 (2)

Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18
Sample Depth: 2

Lab Sample ID: 890-3544-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00284**		0.00199		mg/Kg		11/29/22 16:06	12/03/22 12:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/29/22 16:06	12/03/22 12:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/29/22 16:06	12/03/22 12:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/29/22 16:06	12/03/22 12:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/29/22 16:06	12/03/22 12:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/29/22 16:06	12/03/22 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*11/29/22 16:06*	*12/03/22 12:24*	*1*

Client Sample Results

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

Client Sample ID: S-2 (2)

Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18
Sample Depth: 2

Lab Sample ID: 890-3544-2

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*11/29/22 16:06*	*12/03/22 12:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/05/22 14:19	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			11/29/22 12:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/28/22 16:34	11/29/22 02:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/28/22 16:34	11/29/22 02:55	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/28/22 16:34	11/29/22 02:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*157*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 02:55*	*1*
o-Terphenyl	*169*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 02:55*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**907**		4.99		mg/Kg			11/29/22 10:35	1

Client Sample ID: S-3 (2)

Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18
Sample Depth: 2

Lab Sample ID: 890-3544-3

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		11/29/22 16:06	12/03/22 12:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/29/22 16:06	12/03/22 12:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/29/22 16:06	12/03/22 12:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/29/22 16:06	12/03/22 12:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/29/22 16:06	12/03/22 12:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/29/22 16:06	12/03/22 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*11/29/22 16:06*	*12/03/22 12:44*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*11/29/22 16:06*	*12/03/22 12:44*	*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 14:19	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			11/29/22 12:08	1

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Client Sample Results

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

Client Sample ID: S-3 (2)

Lab Sample ID: 890-3544-3
Matrix: Solid
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/28/22 16:34	11/29/22 03:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/28/22 16:34	11/29/22 03:16	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/28/22 16:34	11/29/22 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*157*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 03:16*	*1*
o-Terphenyl	*155*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 03:16*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**860**	**F1**	4.95		mg/Kg			11/29/22 10:42	1

Client Sample ID: S-4 (2)

Lab Sample ID: 890-3544-4
Matrix: Solid
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18
Sample Depth: 2

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		11/29/22 16:06	12/03/22 13:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/29/22 16:06	12/03/22 13:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/29/22 16:06	12/03/22 13:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/29/22 16:06	12/03/22 13:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/29/22 16:06	12/03/22 13:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/29/22 16:06	12/03/22 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*11/29/22 16:06*	*12/03/22 13:05*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*11/29/22 16:06*	*12/03/22 13:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/05/22 14:19	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			11/29/22 12:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/28/22 16:34	11/29/22 03:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/28/22 16:34	11/29/22 03:16	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/28/22 16:34	11/29/22 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*11/28/22 16:34*	*11/29/22 03:16*	*1*
o-Terphenyl	*140*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 03:16*	*1*

Client Sample Results

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

Client Sample ID: S-4 (2)

Lab Sample ID: 890-3544-4
Matrix: Solid
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18
Sample Depth: 2

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**317**		4.97		mg/Kg			11/29/22 11:02	1

Client Sample ID: S-5 (2)

Lab Sample ID: 890-3544-5
Matrix: Solid
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18
Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/29/22 16:06	12/03/22 13:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/29/22 16:06	12/03/22 13:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/29/22 16:06	12/03/22 13:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/29/22 16:06	12/03/22 13:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/29/22 16:06	12/03/22 13:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/29/22 16:06	12/03/22 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*11/29/22 16:06*	*12/03/22 13:25*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*11/29/22 16:06*	*12/03/22 13:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/05/22 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**387**		50.0		mg/Kg			11/29/22 12:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/28/22 16:34	11/29/22 03:38	1
Diesel Range Organics (Over C10-C28)	**387**		50.0		mg/Kg		11/28/22 16:34	11/29/22 03:38	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/28/22 16:34	11/29/22 03:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*164*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 03:38*	*1*
o-Terphenyl	*160*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 03:38*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**225**		5.00		mg/Kg			11/29/22 11:08	1

Client Sample Results

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

Client Sample ID: S-6 (0-0.5)

Lab Sample ID: 890-3544-6
Matrix: Solid
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18
Sample Depth: 0 - 0.5

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		11/29/22 16:06	12/03/22 13:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/29/22 16:06	12/03/22 13:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/29/22 16:06	12/03/22 13:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/29/22 16:06	12/03/22 13:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/29/22 16:06	12/03/22 13:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/29/22 16:06	12/03/22 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*11/29/22 16:06*	*12/03/22 13:46*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*11/29/22 16:06*	*12/03/22 13:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/05/22 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**408**		49.9		mg/Kg			11/29/22 12:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/28/22 16:34	11/29/22 03:38	1
Diesel Range Organics (Over C10-C28)	**408**		49.9		mg/Kg		11/28/22 16:34	11/29/22 03:38	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/28/22 16:34	11/29/22 03:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*149*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 03:38*	*1*
o-Terphenyl	*159*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 03:38*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**205**		4.99		mg/Kg			11/29/22 11:28	1

Client Sample ID: S-7 (0-0.5)

Lab Sample ID: 890-3544-7
Matrix: Solid
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18
Sample Depth: 0 - 0.5

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		11/29/22 16:06	12/03/22 14:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/29/22 16:06	12/03/22 14:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/29/22 16:06	12/03/22 14:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/29/22 16:06	12/03/22 14:06	1
o-Xylene	**0.00306**		0.00201		mg/Kg		11/29/22 16:06	12/03/22 14:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/29/22 16:06	12/03/22 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*60*	*S1-*	*70 - 130*	*11/29/22 16:06*	*12/03/22 14:06*	*1*

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Client Sample Results

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

Client Sample ID: S-7 (0-0.5)

Lab Sample ID: 890-3544-7
Matrix: Solid
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18
Sample Depth: 0 - 0.5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*11/29/22 16:06*	*12/03/22 14:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/05/22 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**5250**		50.0		mg/Kg			11/29/22 12:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**278**		50.0		mg/Kg		11/28/22 16:34	11/29/22 03:59	1
Diesel Range Organics (Over C10-C28)	**4970**		50.0		mg/Kg		11/28/22 16:34	11/29/22 03:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/28/22 16:34	11/29/22 03:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*182*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 03:59*	*1*
o-Terphenyl	*92*		*70 - 130*	*11/28/22 16:34*	*11/29/22 03:59*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**870**		4.97		mg/Kg			11/29/22 11:35	1

Client Sample ID: S-8 (0-0.5)

Lab Sample ID: 890-3544-8
Matrix: Solid
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18
Sample Depth: 0 - 0.5

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		11/29/22 16:06	12/03/22 14:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/29/22 16:06	12/03/22 14:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/29/22 16:06	12/03/22 14:27	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/29/22 16:06	12/03/22 14:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/29/22 16:06	12/03/22 14:27	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/29/22 16:06	12/03/22 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*11/29/22 16:06*	*12/03/22 14:27*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/29/22 16:06*	*12/03/22 14:27*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/05/22 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2340**		49.9		mg/Kg			11/29/22 12:08	1

Client Sample Results

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

Client Sample ID: S-8 (0-0.5)

Lab Sample ID: 890-3544-8
Matrix: Solid
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18
Sample Depth: 0 - 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/28/22 16:34	11/29/22 03:59	1
Diesel Range Organics (Over C10-C28)	**2340**		49.9		mg/Kg		11/28/22 16:34	11/29/22 03:59	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/28/22 16:34	11/29/22 03:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*148*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 03:59*	*1*
o-Terphenyl	*153*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 03:59*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**693**		5.00		mg/Kg			11/29/22 11:42	1

Client Sample ID: S-9 (0-0.5)

Lab Sample ID: 890-3544-9
Matrix: Solid
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18
Sample Depth: 0 - 0.5

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		11/29/22 16:06	12/03/22 14:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/29/22 16:06	12/03/22 14:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/29/22 16:06	12/03/22 14:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/29/22 16:06	12/03/22 14:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/29/22 16:06	12/03/22 14:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/29/22 16:06	12/03/22 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*61*	*S1-*	*70 - 130*	*11/29/22 16:06*	*12/03/22 14:47*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*11/29/22 16:06*	*12/03/22 14:47*	*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 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**598**		49.9		mg/Kg			11/29/22 12:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/28/22 16:34	11/29/22 04:21	1
Diesel Range Organics (Over C10-C28)	**598**		49.9		mg/Kg		11/28/22 16:34	11/29/22 04:21	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/28/22 16:34	11/29/22 04:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*145*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 04:21*	*1*
o-Terphenyl	*139*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 04:21*	*1*

Client Sample Results

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

Client Sample ID: S-9 (0-0.5)

Lab Sample ID: 890-3544-9
Matrix: Solid
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18
Sample Depth: 0 - 0.5

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.2		5.04		mg/Kg			11/29/22 11:48	1

Client Sample ID: S-10 (0-0.5)

Lab Sample ID: 890-3544-10
Matrix: Solid
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18
Sample Depth: 0 - 0.5

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		11/29/22 16:06	12/03/22 15:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/29/22 16:06	12/03/22 15:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/29/22 16:06	12/03/22 15:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/29/22 16:06	12/03/22 15:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/29/22 16:06	12/03/22 15:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/29/22 16:06	12/03/22 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*11/29/22 16:06*	*12/03/22 15:08*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*11/29/22 16:06*	*12/03/22 15:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/05/22 14:19	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			11/29/22 12:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/28/22 16:34	11/29/22 04:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/28/22 16:34	11/29/22 04:42	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/28/22 16:34	11/29/22 04:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*165*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 04:42*	*1*
o-Terphenyl	*146*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 04:42*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.9		4.98		mg/Kg			11/29/22 11:55	1

Client Sample Results

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

Client Sample ID: S-11 (0-0.5)

Lab Sample ID: 890-3544-11
Matrix: Solid
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18
Sample Depth: 0 - 0.5

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		11/29/22 16:06	12/03/22 16:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/29/22 16:06	12/03/22 16:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/29/22 16:06	12/03/22 16:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/29/22 16:06	12/03/22 16:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/29/22 16:06	12/03/22 16:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/29/22 16:06	12/03/22 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*11/29/22 16:06*	*12/03/22 16:57*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*11/29/22 16:06*	*12/03/22 16:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/05/22 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1850**		49.9		mg/Kg			11/29/22 12:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/28/22 16:34	11/29/22 04:42	1
Diesel Range Organics (Over C10-C28)	**1850**		49.9		mg/Kg		11/28/22 16:34	11/29/22 04:42	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/28/22 16:34	11/29/22 04:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*11/28/22 16:34*	*11/29/22 04:42*	*1*
o-Terphenyl	*134*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 04:42*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**223**		5.00		mg/Kg			11/29/22 12:02	1

Client Sample ID: S-12 (0-0.5)

Lab Sample ID: 890-3544-12
Matrix: Solid
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18
Sample Depth: 0 - 0.5

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		11/29/22 16:06	12/03/22 17:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/29/22 16:06	12/03/22 17:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/29/22 16:06	12/03/22 17:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/29/22 16:06	12/03/22 17:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/29/22 16:06	12/03/22 17:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/29/22 16:06	12/03/22 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*11/29/22 16:06*	*12/03/22 17:18*	*1*

Client Sample Results

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

Client Sample ID: S-12 (0-0.5)

Lab Sample ID: 890-3544-12
Matrix: Solid
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18
Sample Depth: 0 - 0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*11/29/22 16:06*	*12/03/22 17:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/05/22 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**568**		50.0		mg/Kg			11/29/22 12:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/28/22 16:34	11/29/22 05:04	1
Diesel Range Organics (Over C10-C28)	**568**		50.0		mg/Kg		11/28/22 16:34	11/29/22 05:04	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/28/22 16:34	11/29/22 05:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*140*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 05:04*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 05:04*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**228**		4.95		mg/Kg			11/29/22 12:08	1

Client Sample ID: S-13 (0-0.5)

Lab Sample ID: 890-3544-13
Matrix: Solid
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18
Sample Depth: 0 - 0.5

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		11/29/22 16:06	12/03/22 17:38	1
Toluene	**0.00233**		0.00199		mg/Kg		11/29/22 16:06	12/03/22 17:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/29/22 16:06	12/03/22 17:38	1
m-Xylene & p-Xylene	**0.00660**		0.00398		mg/Kg		11/29/22 16:06	12/03/22 17:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/29/22 16:06	12/03/22 17:38	1
Xylenes, Total	**0.00660**		0.00398		mg/Kg		11/29/22 16:06	12/03/22 17:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*49*	*S1-*	*70 - 130*	*11/29/22 16:06*	*12/03/22 17:38*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*11/29/22 16:06*	*12/03/22 17:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00893**		0.00398		mg/Kg			12/05/22 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**562**		50.0		mg/Kg			11/29/22 12:08	1

Eurofins Carlsbad

Client Sample Results

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

Client Sample ID: S-13 (0-0.5)

Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18
Sample Depth: 0 - 0.5

Lab Sample ID: 890-3544-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/28/22 16:34	11/29/22 05:04	1
Diesel Range Organics (Over C10-C28)	**562**		50.0		mg/Kg		11/28/22 16:34	11/29/22 05:04	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/28/22 16:34	11/29/22 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*136*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 05:04*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 05:04*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**79.3**		5.04		mg/Kg			11/29/22 13:02	1

Client Sample ID: S-14 (0-0.5)

Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18
Sample Depth: 0 - 0.5

Lab Sample ID: 890-3544-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/29/22 16:06	12/03/22 17:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/29/22 16:06	12/03/22 17:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/29/22 16:06	12/03/22 17:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/29/22 16:06	12/03/22 17:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/29/22 16:06	12/03/22 17:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/29/22 16:06	12/03/22 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*65*	*S1-*	*70 - 130*	*11/29/22 16:06*	*12/03/22 17:59*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*11/29/22 16:06*	*12/03/22 17:59*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/05/22 14:19	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			11/29/22 12:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/28/22 16:34	11/29/22 05:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/28/22 16:34	11/29/22 05:25	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/28/22 16:34	11/29/22 05:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*166*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 05:25*	*1*
o-Terphenyl	*140*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 05:25*	*1*

Client Sample Results

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

Client Sample ID: S-14 (0-0.5)

Lab Sample ID: 890-3544-14
Matrix: Solid
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18
Sample Depth: 0 - 0.5

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.7**		4.95		mg/Kg			11/29/22 13:22	1

Client Sample ID: S-15 (0-0.5)

Lab Sample ID: 890-3544-15
Matrix: Solid
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18
Sample Depth: 0 - 0.5

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		11/29/22 16:06	12/03/22 18:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/29/22 16:06	12/03/22 18:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/29/22 16:06	12/03/22 18:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/29/22 16:06	12/03/22 18:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/29/22 16:06	12/03/22 18:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/29/22 16:06	12/03/22 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*11/29/22 16:06*	*12/03/22 18:19*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/29/22 16:06*	*12/03/22 18:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/05/22 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**95.8**		50.0		mg/Kg			11/29/22 12:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/28/22 16:34	11/29/22 05:25	1
Diesel Range Organics (Over C10-C28)	**95.8**		50.0		mg/Kg		11/28/22 16:34	11/29/22 05:25	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/28/22 16:34	11/29/22 05:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*163*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 05:25*	*1*
o-Terphenyl	*171*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 05:25*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.6**		4.98		mg/Kg			11/29/22 13:28	1

Surrogate Summary

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-3544-1	S-1 (2)	69 S1-	94
890-3544-1 MS	S-1 (2)	91	101
890-3544-1 MSD	S-1 (2)	61 S1-	99
890-3544-2	S-2 (2)	79	110
890-3544-3	S-3 (2)	89	110
890-3544-4	S-4 (2)	88	108
890-3544-5	S-5 (2)	77	109
890-3544-6	S-6 (0-0.5)	87	108
890-3544-7	S-7 (0-0.5)	60 S1-	91
890-3544-8	S-8 (0-0.5)	87	102
890-3544-9	S-9 (0-0.5)	61 S1-	110
890-3544-10	S-10 (0-0.5)	93	111
890-3544-11	S-11 (0-0.5)	80	97
890-3544-12	S-12 (0-0.5)	77	112
890-3544-13	S-13 (0-0.5)	49 S1-	101
890-3544-14	S-14 (0-0.5)	65 S1-	105
890-3544-15	S-15 (0-0.5)	76	102
LCS 880-40626/1-A	Lab Control Sample	77	96
LCSD 880-40626/2-A	Lab Control Sample Dup	85	107
MB 880-40626/5-A	Method Blank	71	107
MB 880-40872/5-A	Method Blank	69 S1-	106

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-21947-A-1-E MS	Matrix Spike	120	106
880-21947-A-1-F MSD	Matrix Spike Duplicate	100	104
890-3544-1	S-1 (2)	139 S1+	136 S1+
890-3544-2	S-2 (2)	157 S1+	169 S1+
890-3544-3	S-3 (2)	157 S1+	155 S1+
890-3544-4	S-4 (2)	130	140 S1+
890-3544-5	S-5 (2)	164 S1+	160 S1+
890-3544-6	S-6 (0-0.5)	149 S1+	159 S1+
890-3544-7	S-7 (0-0.5)	182 S1+	92
890-3544-8	S-8 (0-0.5)	148 S1+	153 S1+
890-3544-9	S-9 (0-0.5)	145 S1+	139 S1+
890-3544-10	S-10 (0-0.5)	165 S1+	146 S1+
890-3544-11	S-11 (0-0.5)	129	134 S1+
890-3544-12	S-12 (0-0.5)	140 S1+	132 S1+
890-3544-13	S-13 (0-0.5)	136 S1+	132 S1+
890-3544-14	S-14 (0-0.5)	166 S1+	140 S1+
890-3544-15	S-15 (0-0.5)	163 S1+	171 S1+
LCS 880-40514/2-A	Lab Control Sample	135 S1+	139 S1+

Surrogate Summary

Client: NT Global
Job ID: 890-3544-1
Project/Site: Sombrero 18 Com TB
SDG: Eddy Co NM

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)								
LCSD 880-40514/3-A	Lab Control Sample Dup	190 S1+	187 S1+								
MB 880-40514/1-A	Method Blank	136 S1+	150 S1+								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-40626/5-A
Matrix: Solid
Analysis Batch: 40844

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40626

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/29/22 16:06	12/03/22 11:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/29/22 16:06	12/03/22 11:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/29/22 16:06	12/03/22 11:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/29/22 16:06	12/03/22 11:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/29/22 16:06	12/03/22 11:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/29/22 16:06	12/03/22 11:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*70 - 130*	*11/29/22 16:06*	*12/03/22 11:35*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*11/29/22 16:06*	*12/03/22 11:35*	*1*

Lab Sample ID: LCS 880-40626/1-A
Matrix: Solid
Analysis Batch: 40844

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40626

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08713		mg/Kg		87	70 - 130		
Toluene			0.100	0.1007		mg/Kg		101	70 - 130		
Ethylbenzene			0.100	0.09601		mg/Kg		96	70 - 130		
m-Xylene & p-Xylene			0.200	0.1683		mg/Kg		84	70 - 130		
o-Xylene			0.100	0.08105		mg/Kg		81	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-40626/2-A
Matrix: Solid
Analysis Batch: 40844

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 40626

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08624		mg/Kg		86	70 - 130	1	35
Toluene			0.100	0.09888		mg/Kg		99	70 - 130	2	35
Ethylbenzene			0.100	0.09159		mg/Kg		92	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.1623		mg/Kg		81	70 - 130	4	35
o-Xylene			0.100	0.08012		mg/Kg		80	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: 890-3544-1 MS
Matrix: Solid
Analysis Batch: 40844

Client Sample ID: S-1 (2)
Prep Type: Total/NA
Prep Batch: 40626

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U F1	0.0996	0.05233	F1	mg/Kg		53	70 - 130		
Toluene	<0.00200	U F1	0.0996	0.04591	F1	mg/Kg		46	70 - 130		

QC Sample Results

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

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

Lab Sample ID: 890-3544-1 MS
Matrix: Solid
Analysis Batch: 40844

Client Sample ID: S-1 (2)
Prep Type: Total/NA
Prep Batch: 40626

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F1	0.0996	0.04383	F1	mg/Kg		44	70 - 130
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.199	0.008375	F1	mg/Kg		4	70 - 130
o-Xylene	<0.00200	U F1	0.0996	0.05307	F1	mg/Kg		53	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 890-3544-1 MSD
Matrix: Solid
Analysis Batch: 40844

Client Sample ID: S-1 (2)
Prep Type: Total/NA
Prep Batch: 40626

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.0996	0.05284	F1	mg/Kg		53	70 - 130	1	35
Toluene	<0.00200	U F1	0.0996	0.03698	F1	mg/Kg		37	70 - 130	22	35
Ethylbenzene	<0.00200	U F1	0.0996	0.03533	F1	mg/Kg		35	70 - 130	21	35
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.199	0.005413	F2 F1	mg/Kg		3	70 - 130	43	35
o-Xylene	<0.00200	U F1	0.0996	0.04182	F1	mg/Kg		42	70 - 130	24	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*61*	*S1-*	*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 880-40872/5-A
Matrix: Solid
Analysis Batch: 40844

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40872

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:13	12/02/22 23:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:13	12/02/22 23:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:13	12/02/22 23:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/02/22 10:13	12/02/22 23:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/22 10:13	12/02/22 23:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/02/22 10:13	12/02/22 23:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*12/02/22 10:13*	*12/02/22 23:56*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*12/02/22 10:13*	*12/02/22 23:56*	*1*

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

Lab Sample ID: MB 880-40514/1-A
Matrix: Solid
Analysis Batch: 40408

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40514

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/28/22 16:34	11/29/22 06:30	1

QC Sample Results

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

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

Lab Sample ID: MB 880-40514/1-A
Matrix: Solid
Analysis Batch: 40408

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 40514

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/28/22 16:34	11/29/22 06:30	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/28/22 16:34	11/29/22 06:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*136*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 06:30*	*1*
o-Terphenyl	*150*	*S1+*	*70 - 130*	*11/28/22 16:34*	*11/29/22 06:30*	*1*

Lab Sample ID: LCS 880-40514/2-A
Matrix: Solid
Analysis Batch: 40408

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 40514

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1074		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	995.7		mg/Kg		100	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*135*	*S1+*	*70 - 130*
o-Terphenyl	*139*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-40514/3-A
Matrix: Solid
Analysis Batch: 40408

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 40514

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	903.6		mg/Kg		90	70 - 130	17	20
Diesel Range Organics (Over C10-C28)	1000	990.3		mg/Kg		99	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*190*	*S1+*	*70 - 130*
o-Terphenyl	*187*	*S1+*	*70 - 130*

Lab Sample ID: 880-21947-A-1-E MS
Matrix: Solid
Analysis Batch: 40408

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 40514

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	999	1202		mg/Kg		117	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	999	1382	F1	mg/Kg		138	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*120*		*70 - 130*
o-Terphenyl	*106*		*70 - 130*

QC Sample Results

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

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

Lab Sample ID: 880-21947-A-1-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 40408 — **Prep Batch: 40514**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	997	926.9	F2	mg/Kg		90	70 - 130	26	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	997	1267		mg/Kg		127	70 - 130	9	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*104*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-40388/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 40546

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/29/22 08:48	1

Lab Sample ID: LCS 880-40388/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 40546

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.2		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-40388/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 40546

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	257.3		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 890-3544-3 MS — **Client Sample ID: S-3 (2)**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 40546

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	860	F1	248	1190	F1	mg/Kg		133	90 - 110

Lab Sample ID: 890-3544-3 MSD — **Client Sample ID: S-3 (2)**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 40546

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	860	F1	248	1187	F1	mg/Kg		132	90 - 110	0	20

QC Sample Results

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-40389/1-A
Matrix: Solid
Analysis Batch: 40589

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/29/22 12:42	1

Lab Sample ID: LCS 880-40389/2-A
Matrix: Solid
Analysis Batch: 40589

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	258.1		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-40389/3-A
Matrix: Solid
Analysis Batch: 40589

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	257.8		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 890-3544-13 MS
Matrix: Solid
Analysis Batch: 40589

Client Sample ID: S-13 (0-0.5)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	79.3		252	328.9		mg/Kg		99	90 - 110		

Lab Sample ID: 890-3544-13 MSD
Matrix: Solid
Analysis Batch: 40589

Client Sample ID: S-13 (0-0.5)
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	79.3		252	329.5		mg/Kg		99	90 - 110	0	20

QC Association Summary

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

GC VOA

Prep Batch: 40626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3544-1	S-1 (2)	Total/NA	Solid	5035	
890-3544-2	S-2 (2)	Total/NA	Solid	5035	
890-3544-3	S-3 (2)	Total/NA	Solid	5035	
890-3544-4	S-4 (2)	Total/NA	Solid	5035	
890-3544-5	S-5 (2)	Total/NA	Solid	5035	
890-3544-6	S-6 (0-0.5)	Total/NA	Solid	5035	
890-3544-7	S-7 (0-0.5)	Total/NA	Solid	5035	
890-3544-8	S-8 (0-0.5)	Total/NA	Solid	5035	
890-3544-9	S-9 (0-0.5)	Total/NA	Solid	5035	
890-3544-10	S-10 (0-0.5)	Total/NA	Solid	5035	
890-3544-11	S-11 (0-0.5)	Total/NA	Solid	5035	
890-3544-12	S-12 (0-0.5)	Total/NA	Solid	5035	
890-3544-13	S-13 (0-0.5)	Total/NA	Solid	5035	
890-3544-14	S-14 (0-0.5)	Total/NA	Solid	5035	
890-3544-15	S-15 (0-0.5)	Total/NA	Solid	5035	
MB 880-40626/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-40626/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-40626/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3544-1 MS	S-1 (2)	Total/NA	Solid	5035	
890-3544-1 MSD	S-1 (2)	Total/NA	Solid	5035	

Analysis Batch: 40844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3544-1	S-1 (2)	Total/NA	Solid	8021B	40626
890-3544-2	S-2 (2)	Total/NA	Solid	8021B	40626
890-3544-3	S-3 (2)	Total/NA	Solid	8021B	40626
890-3544-4	S-4 (2)	Total/NA	Solid	8021B	40626
890-3544-5	S-5 (2)	Total/NA	Solid	8021B	40626
890-3544-6	S-6 (0-0.5)	Total/NA	Solid	8021B	40626
890-3544-7	S-7 (0-0.5)	Total/NA	Solid	8021B	40626
890-3544-8	S-8 (0-0.5)	Total/NA	Solid	8021B	40626
890-3544-9	S-9 (0-0.5)	Total/NA	Solid	8021B	40626
890-3544-10	S-10 (0-0.5)	Total/NA	Solid	8021B	40626
890-3544-11	S-11 (0-0.5)	Total/NA	Solid	8021B	40626
890-3544-12	S-12 (0-0.5)	Total/NA	Solid	8021B	40626
890-3544-13	S-13 (0-0.5)	Total/NA	Solid	8021B	40626
890-3544-14	S-14 (0-0.5)	Total/NA	Solid	8021B	40626
890-3544-15	S-15 (0-0.5)	Total/NA	Solid	8021B	40626
MB 880-40626/5-A	Method Blank	Total/NA	Solid	8021B	40626
MB 880-40872/5-A	Method Blank	Total/NA	Solid	8021B	40872
LCS 880-40626/1-A	Lab Control Sample	Total/NA	Solid	8021B	40626
LCSD 880-40626/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	40626
890-3544-1 MS	S-1 (2)	Total/NA	Solid	8021B	40626
890-3544-1 MSD	S-1 (2)	Total/NA	Solid	8021B	40626

Prep Batch: 40872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-40872/5-A	Method Blank	Total/NA	Solid	5035	

QC Association Summary

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

GC VOA

Analysis Batch: 41068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3544-1	S-1 (2)	Total/NA	Solid	Total BTEX	
890-3544-2	S-2 (2)	Total/NA	Solid	Total BTEX	
890-3544-3	S-3 (2)	Total/NA	Solid	Total BTEX	
890-3544-4	S-4 (2)	Total/NA	Solid	Total BTEX	
890-3544-5	S-5 (2)	Total/NA	Solid	Total BTEX	
890-3544-6	S-6 (0-0.5)	Total/NA	Solid	Total BTEX	
890-3544-7	S-7 (0-0.5)	Total/NA	Solid	Total BTEX	
890-3544-8	S-8 (0-0.5)	Total/NA	Solid	Total BTEX	
890-3544-9	S-9 (0-0.5)	Total/NA	Solid	Total BTEX	
890-3544-10	S-10 (0-0.5)	Total/NA	Solid	Total BTEX	
890-3544-11	S-11 (0-0.5)	Total/NA	Solid	Total BTEX	
890-3544-12	S-12 (0-0.5)	Total/NA	Solid	Total BTEX	
890-3544-13	S-13 (0-0.5)	Total/NA	Solid	Total BTEX	
890-3544-14	S-14 (0-0.5)	Total/NA	Solid	Total BTEX	
890-3544-15	S-15 (0-0.5)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 40408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3544-1	S-1 (2)	Total/NA	Solid	8015B NM	40514
890-3544-2	S-2 (2)	Total/NA	Solid	8015B NM	40514
890-3544-3	S-3 (2)	Total/NA	Solid	8015B NM	40514
890-3544-4	S-4 (2)	Total/NA	Solid	8015B NM	40514
890-3544-5	S-5 (2)	Total/NA	Solid	8015B NM	40514
890-3544-6	S-6 (0-0.5)	Total/NA	Solid	8015B NM	40514
890-3544-7	S-7 (0-0.5)	Total/NA	Solid	8015B NM	40514
890-3544-8	S-8 (0-0.5)	Total/NA	Solid	8015B NM	40514
890-3544-9	S-9 (0-0.5)	Total/NA	Solid	8015B NM	40514
890-3544-10	S-10 (0-0.5)	Total/NA	Solid	8015B NM	40514
890-3544-11	S-11 (0-0.5)	Total/NA	Solid	8015B NM	40514
890-3544-12	S-12 (0-0.5)	Total/NA	Solid	8015B NM	40514
890-3544-13	S-13 (0-0.5)	Total/NA	Solid	8015B NM	40514
890-3544-14	S-14 (0-0.5)	Total/NA	Solid	8015B NM	40514
890-3544-15	S-15 (0-0.5)	Total/NA	Solid	8015B NM	40514
MB 880-40514/1-A	Method Blank	Total/NA	Solid	8015B NM	40514
LCS 880-40514/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	40514
LCSD 880-40514/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	40514
880-21947-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	40514
880-21947-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	40514

Prep Batch: 40514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3544-1	S-1 (2)	Total/NA	Solid	8015NM Prep	
890-3544-2	S-2 (2)	Total/NA	Solid	8015NM Prep	
890-3544-3	S-3 (2)	Total/NA	Solid	8015NM Prep	
890-3544-4	S-4 (2)	Total/NA	Solid	8015NM Prep	
890-3544-5	S-5 (2)	Total/NA	Solid	8015NM Prep	
890-3544-6	S-6 (0-0.5)	Total/NA	Solid	8015NM Prep	
890-3544-7	S-7 (0-0.5)	Total/NA	Solid	8015NM Prep	
890-3544-8	S-8 (0-0.5)	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

GC Semi VOA (Continued)

Prep Batch: 40514 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3544-9	S-9 (0-0.5)	Total/NA	Solid	8015NM Prep	
890-3544-10	S-10 (0-0.5)	Total/NA	Solid	8015NM Prep	
890-3544-11	S-11 (0-0.5)	Total/NA	Solid	8015NM Prep	
890-3544-12	S-12 (0-0.5)	Total/NA	Solid	8015NM Prep	
890-3544-13	S-13 (0-0.5)	Total/NA	Solid	8015NM Prep	
890-3544-14	S-14 (0-0.5)	Total/NA	Solid	8015NM Prep	
890-3544-15	S-15 (0-0.5)	Total/NA	Solid	8015NM Prep	
MB 880-40514/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-40514/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-40514/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-21947-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-21947-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 40606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3544-1	S-1 (2)	Total/NA	Solid	8015 NM	
890-3544-2	S-2 (2)	Total/NA	Solid	8015 NM	
890-3544-3	S-3 (2)	Total/NA	Solid	8015 NM	
890-3544-4	S-4 (2)	Total/NA	Solid	8015 NM	
890-3544-5	S-5 (2)	Total/NA	Solid	8015 NM	
890-3544-6	S-6 (0-0.5)	Total/NA	Solid	8015 NM	
890-3544-7	S-7 (0-0.5)	Total/NA	Solid	8015 NM	
890-3544-8	S-8 (0-0.5)	Total/NA	Solid	8015 NM	
890-3544-9	S-9 (0-0.5)	Total/NA	Solid	8015 NM	
890-3544-10	S-10 (0-0.5)	Total/NA	Solid	8015 NM	
890-3544-11	S-11 (0-0.5)	Total/NA	Solid	8015 NM	
890-3544-12	S-12 (0-0.5)	Total/NA	Solid	8015 NM	
890-3544-13	S-13 (0-0.5)	Total/NA	Solid	8015 NM	
890-3544-14	S-14 (0-0.5)	Total/NA	Solid	8015 NM	
890-3544-15	S-15 (0-0.5)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 40388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3544-1	S-1 (2)	Soluble	Solid	DI Leach	
890-3544-2	S-2 (2)	Soluble	Solid	DI Leach	
890-3544-3	S-3 (2)	Soluble	Solid	DI Leach	
890-3544-4	S-4 (2)	Soluble	Solid	DI Leach	
890-3544-5	S-5 (2)	Soluble	Solid	DI Leach	
890-3544-6	S-6 (0-0.5)	Soluble	Solid	DI Leach	
890-3544-7	S-7 (0-0.5)	Soluble	Solid	DI Leach	
890-3544-8	S-8 (0-0.5)	Soluble	Solid	DI Leach	
890-3544-9	S-9 (0-0.5)	Soluble	Solid	DI Leach	
890-3544-10	S-10 (0-0.5)	Soluble	Solid	DI Leach	
890-3544-11	S-11 (0-0.5)	Soluble	Solid	DI Leach	
890-3544-12	S-12 (0-0.5)	Soluble	Solid	DI Leach	
MB 880-40388/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-40388/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-40388/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3544-3 MS	S-3 (2)	Soluble	Solid	DI Leach	

QC Association Summary

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

HPLC/IC (Continued)

Leach Batch: 40388 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3544-3 MSD	S-3 (2)	Soluble	Solid	DI Leach	

Leach Batch: 40389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3544-13	S-13 (0-0.5)	Soluble	Solid	DI Leach	
890-3544-14	S-14 (0-0.5)	Soluble	Solid	DI Leach	
890-3544-15	S-15 (0-0.5)	Soluble	Solid	DI Leach	
MB 880-40389/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-40389/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-40389/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3544-13 MS	S-13 (0-0.5)	Soluble	Solid	DI Leach	
890-3544-13 MSD	S-13 (0-0.5)	Soluble	Solid	DI Leach	

Analysis Batch: 40546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3544-1	S-1 (2)	Soluble	Solid	300.0	40388
890-3544-2	S-2 (2)	Soluble	Solid	300.0	40388
890-3544-3	S-3 (2)	Soluble	Solid	300.0	40388
890-3544-4	S-4 (2)	Soluble	Solid	300.0	40388
890-3544-5	S-5 (2)	Soluble	Solid	300.0	40388
890-3544-6	S-6 (0-0.5)	Soluble	Solid	300.0	40388
890-3544-7	S-7 (0-0.5)	Soluble	Solid	300.0	40388
890-3544-8	S-8 (0-0.5)	Soluble	Solid	300.0	40388
890-3544-9	S-9 (0-0.5)	Soluble	Solid	300.0	40388
890-3544-10	S-10 (0-0.5)	Soluble	Solid	300.0	40388
890-3544-11	S-11 (0-0.5)	Soluble	Solid	300.0	40388
890-3544-12	S-12 (0-0.5)	Soluble	Solid	300.0	40388
MB 880-40388/1-A	Method Blank	Soluble	Solid	300.0	40388
LCS 880-40388/2-A	Lab Control Sample	Soluble	Solid	300.0	40388
LCSD 880-40388/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	40388
890-3544-3 MS	S-3 (2)	Soluble	Solid	300.0	40388
890-3544-3 MSD	S-3 (2)	Soluble	Solid	300.0	40388

Analysis Batch: 40589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3544-13	S-13 (0-0.5)	Soluble	Solid	300.0	40389
890-3544-14	S-14 (0-0.5)	Soluble	Solid	300.0	40389
890-3544-15	S-15 (0-0.5)	Soluble	Solid	300.0	40389
MB 880-40389/1-A	Method Blank	Soluble	Solid	300.0	40389
LCS 880-40389/2-A	Lab Control Sample	Soluble	Solid	300.0	40389
LCSD 880-40389/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	40389
890-3544-13 MS	S-13 (0-0.5)	Soluble	Solid	300.0	40389
890-3544-13 MSD	S-13 (0-0.5)	Soluble	Solid	300.0	40389

Lab Chronicle

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

Client Sample ID: S-1 (2)
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18

Lab Sample ID: 890-3544-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	40626	11/29/22 16:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40844	12/03/22 12:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41068	12/05/22 14:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40606	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	40514	11/28/22 16:34	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/29/22 02:55	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	40388	11/28/22 09:10	CH	EET MID
Soluble	Analysis	300.0		5			40546	11/29/22 10:28	CH	EET MID

Client Sample ID: S-2 (2)
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18

Lab Sample ID: 890-3544-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	40626	11/29/22 16:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40844	12/03/22 12:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41068	12/05/22 14:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40606	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	40514	11/28/22 16:34	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/29/22 02:55	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	40388	11/28/22 09:10	CH	EET MID
Soluble	Analysis	300.0		1			40546	11/29/22 10:35	CH	EET MID

Client Sample ID: S-3 (2)
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18

Lab Sample ID: 890-3544-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	40626	11/29/22 16:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40844	12/03/22 12:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41068	12/05/22 14:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40606	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40514	11/28/22 16:34	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/29/22 03:16	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	40388	11/28/22 09:10	CH	EET MID
Soluble	Analysis	300.0		1			40546	11/29/22 10:42	CH	EET MID

Client Sample ID: S-4 (2)
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18

Lab Sample ID: 890-3544-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	40626	11/29/22 16:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40844	12/03/22 13:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41068	12/05/22 14:19	AJ	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

Client Sample ID: S-4 (2)

Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18

Lab Sample ID: 890-3544-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			40606	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	40514	11/28/22 16:34	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/29/22 03:16	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	40388	11/28/22 09:10	CH	EET MID
Soluble	Analysis	300.0		1			40546	11/29/22 11:02	CH	EET MID

Client Sample ID: S-5 (2)

Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18

Lab Sample ID: 890-3544-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	40626	11/29/22 16:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40844	12/03/22 13:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41068	12/05/22 14:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40606	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40514	11/28/22 16:34	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/29/22 03:38	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	40388	11/28/22 09:10	CH	EET MID
Soluble	Analysis	300.0		1			40546	11/29/22 11:08	CH	EET MID

Client Sample ID: S-6 (0-0.5)

Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18

Lab Sample ID: 890-3544-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	40626	11/29/22 16:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40844	12/03/22 13:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41068	12/05/22 14:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40606	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	40514	11/28/22 16:34	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/29/22 03:38	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	40388	11/28/22 09:10	CH	EET MID
Soluble	Analysis	300.0		1			40546	11/29/22 11:28	CH	EET MID

Client Sample ID: S-7 (0-0.5)

Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18

Lab Sample ID: 890-3544-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	40626	11/29/22 16:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40844	12/03/22 14:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41068	12/05/22 14:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40606	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	40514	11/28/22 16:34	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/29/22 03:59	SM	EET MID

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Lab Chronicle

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

Client Sample ID: S-7 (0-0.5)
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18

Lab Sample ID: 890-3544-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	40388	11/28/22 09:10	CH	EET MID
Soluble	Analysis	300.0		1			40546	11/29/22 11:35	CH	EET MID

Client Sample ID: S-8 (0-0.5)
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18

Lab Sample ID: 890-3544-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	40626	11/29/22 16:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40844	12/03/22 14:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41068	12/05/22 14:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40606	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	40514	11/28/22 16:34	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/29/22 03:59	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	40388	11/28/22 09:10	CH	EET MID
Soluble	Analysis	300.0		1			40546	11/29/22 11:42	CH	EET MID

Client Sample ID: S-9 (0-0.5)
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18

Lab Sample ID: 890-3544-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	40626	11/29/22 16:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40844	12/03/22 14:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41068	12/05/22 14:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40606	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	40514	11/28/22 16:34	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/29/22 04:21	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	40388	11/28/22 09:10	CH	EET MID
Soluble	Analysis	300.0		1			40546	11/29/22 11:48	CH	EET MID

Client Sample ID: S-10 (0-0.5)
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18

Lab Sample ID: 890-3544-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	40626	11/29/22 16:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40844	12/03/22 15:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41068	12/05/22 14:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40606	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40514	11/28/22 16:34	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/29/22 04:42	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	40388	11/28/22 09:10	CH	EET MID
Soluble	Analysis	300.0		1			40546	11/29/22 11:55	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

Client Sample ID: S-11 (0-0.5)

Lab Sample ID: 890-3544-11
Matrix: Solid
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	40626	11/29/22 16:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40844	12/03/22 16:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41068	12/05/22 14:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40606	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	40514	11/28/22 16:34	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/29/22 04:42	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	40388	11/28/22 09:10	CH	EET MID
Soluble	Analysis	300.0		1			40546	11/29/22 12:02	CH	EET MID

Client Sample ID: S-12 (0-0.5)

Lab Sample ID: 890-3544-12
Matrix: Solid
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	40626	11/29/22 16:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40844	12/03/22 17:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41068	12/05/22 14:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40606	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	40514	11/28/22 16:34	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/29/22 05:04	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	40388	11/28/22 09:10	CH	EET MID
Soluble	Analysis	300.0		1			40546	11/29/22 12:08	CH	EET MID

Client Sample ID: S-13 (0-0.5)

Lab Sample ID: 890-3544-13
Matrix: Solid
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	40626	11/29/22 16:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40844	12/03/22 17:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41068	12/05/22 14:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40606	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40514	11/28/22 16:34	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/29/22 05:04	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	40389	11/28/22 09:12	CH	EET MID
Soluble	Analysis	300.0		1			40589	11/29/22 13:02	CH	EET MID

Client Sample ID: S-14 (0-0.5)

Lab Sample ID: 890-3544-14
Matrix: Solid
Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	40626	11/29/22 16:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40844	12/03/22 17:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41068	12/05/22 14:19	AJ	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

Client Sample ID: S-14 (0-0.5)

Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18

Lab Sample ID: 890-3544-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			40606	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	40514	11/28/22 16:34	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/29/22 05:25	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	40389	11/28/22 09:12	CH	EET MID
Soluble	Analysis	300.0		1			40589	11/29/22 13:22	CH	EET MID

Client Sample ID: S-15 (0-0.5)

Date Collected: 11/22/22 00:00
Date Received: 11/22/22 12:18

Lab Sample ID: 890-3544-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	40626	11/29/22 16:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40844	12/03/22 18:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41068	12/05/22 14:19	AJ	EET MID
Total/NA	Analysis	8015 NM		1			40606	11/29/22 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40514	11/28/22 16:34	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40408	11/29/22 05:25	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	40389	11/28/22 09:12	CH	EET MID
Soluble	Analysis	300.0		1			40589	11/29/22 13:28	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: NT Global
Project/Site: Sombrero 18 Com TB

Job ID: 890-3544-1
SDG: Eddy Co NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3544-1	S-1 (2)	Solid	11/22/22 00:00	11/22/22 12:18	2
890-3544-2	S-2 (2)	Solid	11/22/22 00:00	11/22/22 12:18	2
890-3544-3	S-3 (2)	Solid	11/22/22 00:00	11/22/22 12:18	2
890-3544-4	S-4 (2)	Solid	11/22/22 00:00	11/22/22 12:18	2
890-3544-5	S-5 (2)	Solid	11/22/22 00:00	11/22/22 12:18	2
890-3544-6	S-6 (0-0.5)	Solid	11/22/22 00:00	11/22/22 12:18	0 - 0.5
890-3544-7	S-7 (0-0.5)	Solid	11/22/22 00:00	11/22/22 12:18	0 - 0.5
890-3544-8	S-8 (0-0.5)	Solid	11/22/22 00:00	11/22/22 12:18	0 - 0.5
890-3544-9	S-9 (0-0.5)	Solid	11/22/22 00:00	11/22/22 12:18	0 - 0.5
890-3544-10	S-10 (0-0.5)	Solid	11/22/22 00:00	11/22/22 12:18	0 - 0.5
890-3544-11	S-11 (0-0.5)	Solid	11/22/22 00:00	11/22/22 12:18	0 - 0.5
890-3544-12	S-12 (0-0.5)	Solid	11/22/22 00:00	11/22/22 12:18	0 - 0.5
890-3544-13	S-13 (0-0.5)	Solid	11/22/22 00:00	11/22/22 12:18	0 - 0.5
890-3544-14	S-14 (0-0.5)	Solid	11/22/22 00:00	11/22/22 12:18	0 - 0.5
890-3544-15	S-15 (0-0.5)	Solid	11/22/22 00:00	11/22/22 12:18	0 - 0.5

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: _____

Page 1 of 2

Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone
Address:	701 Tradewinds Blvd	Address:	
City, State ZIP:	Midland TX, 79707	City, State ZIP:	
Phone:	432-766-1918	Email:	

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Sombrero 18 Com TB	Turn Around	
Project Number:	226530	☑ Routine ☐ Rush	
Project Location	Eddy Co. NM	Due Date:	
Sampler's Name:	Kellan Smith	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	IR#307
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4.2
Total Containers:	15	Corrected Temperature:	4.0

ANALYSIS REQUEST

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
S-1 (2)	11/22/2022		x		comp	1	x	x	x		
S-2 (2)	11/22/2022		x		comp	1	x	x	x		
S-3 (2)	11/22/2022		x		comp	1	x	x	x		
S-4 (2)	11/22/2022		x		comp	1	x	x	x		
S-5 (2)	11/22/2022		x		comp	1	x	x	x		
S-6 (0-0.5)	11/22/2022		x		comp	1	x	x	x		
S-7 (0-0.5)	11/22/2022		x		comp	1	x	x	x		
S-8 (0-0.5)	11/22/2022		x		comp	1	x	x	x		
S-9 (0-0.5)	11/22/2022		x		comp	1	x	x	x		
S-10 (0-0.5)	11/22/2022		x		comp	1	x	x	x		

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		11.22.22 1218	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: _____

12/5/2022

Page 2 of 2

Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone
Address:	701 Tradewinds Blvd	Address:	
City, State ZIP:	Midland TX, 79707	City, State ZIP:	
Phone:	432-766-1918	Email:	

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Sombrero 18 Com TB	Turn Around	
Project Number:	226530	☑ Routine ☐ Rush	
Project Location	Eddy Co. NM	Due Date:	
Sampler's Name:	Kellan Smith	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:	15	Corrected Temperature:		

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
S-11 (0-0.5)	11/22/2022		x		comp	1			x	x	x		
S-12 (0-0.5)	11/22/2022		x		comp	1			x	x	x		
S-13 (0-0.5)	11/22/2022		x		comp	1			x	x	x		
S-14 (0-0.5)	11/22/2022		x		comp	1			x	x	x		
S-15 (0-0.5)	11/22/2022		x		comp	1			x	x	x		

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		11-22-22	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s)	COC No: 890-1040 1
Client Contact: Shipping/Receiving	Phone	E-Mail: Jessica Kramer@et.eurofinsus com	State of Origin: New Mexico	Page: Page 1 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Louisiana, NELAP - Texas		Job #: 890-3544-1
Address: 1211 W Florida Ave,	Due Date Requested: 11/30/2022			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: sombrero 18 com tb	Project #: 89000101			
Site	SSOW#:			

Analysis Requested

Preservation Codes:
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH GRO-DRO-MRO	8021B/5035FP_Calc BTEX	8015MOD_Calc	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
S-1 (2) (890-3544-1)	11/22/22	Mountain		Solid			X	X	X	X	X	1	
S-2 (2) (890-3544-2)	11/22/22	Mountain		Solid			X	X	X	X	X	1	
S-3 (2) (890-3544-3)	11/22/22	Mountain		Solid			X	X	X	X	X	1	
S-4 (2) (890-3544-4)	11/22/22	Mountain		Solid			X	X	X	X	X	1	
S-5 (2) (890-3544-5)	11/22/22	Mountain		Solid			X	X	X	X	X	1	
S-6 (0-0 5) (890-3544-6)	11/22/22	Mountain		Solid			X	X	X	X	X	1	
S-7 (0-0 5) (890-3544-7)	11/22/22	Mountain		Solid			X	X	X	X	X	1	
S-8 (0-0 5) (890-3544-8)	11/22/22	Mountain		Solid			X	X	X	X	X	1	
S-9 (0-0 5) (890-3544-9)	11/22/22	Mountain		Solid			X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change Eurofins Environment Testing South Central LLC places the ownership of method analyte & accreditation compliance upon out 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 complicance to Eurofins Environment Testing South Central, LLC

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II III IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
2	Relinquished by	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax. 575-988-3199

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s).	COC No: 890-1040 2
Client Contact: Shipping/Receiving	Phone	E-Mail: Jessica Kramer@et.eurofinsus com	State of Origin: New Mexico	Page: Page 2 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Louisiana, NELAP - Texas		Job #: 890-3544-1
Address: 1211 W Florida Ave, ,	Due Date Requested: 11/30/2022			
City: Midland	TAT Requested (days):			
State Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: sombrero 18 com tb	Project #: 89000101			
Site	SSOW#:			

Analysis Requested

Preservation Codes.

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH GRO-DRO-MRO	8021B/5035FP_Calc BTEX	8015MOD_Calc	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
S-10 (0-0 5) (890-3544-10)	11/22/22	Mountain		Solid			X	X	X	X	X	1	
S-11 (0-0 5) (890-3544-11)	11/22/22	Mountain		Solid			X	X	X	X	X	1	
S-12 (0-0 5) (890-3544-12)	11/22/22	Mountain		Solid			X	X	X	X	X	1	
S-13 (0-0 5) (890-3544-13)	11/22/22	Mountain		Solid			X	X	X	X	X	1	
S-14 (0-0 5) (890-3544-14)	11/22/22	Mountain		Solid			X	X	X	X	X	1	
S-15 (0-0 5) (890-3544-15)	11/22/22	Mountain		Solid			X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central LLC places the ownership of method analyte & accreditation compliance upon out 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 complicance to Eurofins Environment Testing South Central, LLC

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III, IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Relinquished by	Date/Time:	Company	Received by	Date/Time	Company
	Relinquished by	Date/Time:	Company	Received by	Date/Time	Company
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-3544-1
SDG Number: Eddy Co NM

Login Number: 3544
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-3544-1
SDG Number: Eddy Co NM

Login Number: 3544
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Midland
List Creation: 11/23/22 11:54 AM

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 169824

CONDITIONS

Operator: Earthstone Operating, LLC 1400 Woodloch Forest; Ste 300 The Woodlands, TX 77380	OGRID: 331165
	Action Number: 169824
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved with Conditions. Variance approved; composite confirmation samples will be collected from the bottom and sidewalls of the excavation from areas representing no more than four hundred (400) square feet from all locations outlined in Remediation Plan.	1/20/2023