

| | |
|----------------|---------------|
| Incident ID | nAB1922539866 |
| District RP | 2RP-5581 |
| Facility ID | |
| 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? | <u>>45 Ft.</u> (ft bgs) |
| Did this release impact groundwater or surface water? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production, or storage site? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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.

Oil Conservation Division

| | |
|----------------|---------------|
| Incident ID | NAB1922539866 |
| District RP | |
| Facility ID | |
| 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: Dakota Neel Title: HSE Coordinator
Signature:  Date: 09/15/2020
email: dneel2@concho.com Telephone: 575-746-2010

OCD Only

Received by: Cristina Eads Date: 09/16/2020

| | |
|----------------|--|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

Remediation Plan

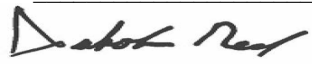
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☐ 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: Dakota Neel Title: HSE Coordinator
Signature:  Date: 09/15/2020
email: dneel2@concho.com Telephone: 575-746-2010

OCD Only

Received by: Cristina Eads Date: 09/16/2020

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

Signature:  Date: 11/20/2020

Site Characterization Report and Deferral Request

COG Operating, LLC Wild Ride Federal #001H

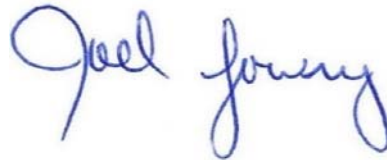
Eddy County, New Mexico
Unit Letter E, Section 29, Township 26 South, Range 25 East
Latitude 32.01648 North, Longitude 104.42426 West
NMOCD Reference No. nAB1922539866

Prepared By:

Etech Environmental & Safety Solutions, Inc.
3100 Plains Highway
Lovington, New Mexico 88260



Lance Crenshaw



Joel W. Lowry



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- Appendix B - Field Data and Soil Profile Logs
- Appendix C - Laboratory Analytical Reports
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Previously submitted portions of the NMOCD Form C-141 are available on the NMOCD Imaging System.

2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half mile radius of the Release Site.

Probable groundwater depth was determined using data generated by numeric models based on available water well data, published information, geology and topography. The change in elevation between the Site and the nearest USGS well west of the Site and the natural drainage north of the Site where groundwater is not outcropping was considered to assist in the determination. Additionally, the Site is located within the Castille Formation; logs from water wells in the vicinity suggest that they were completed within alluvial deposits. Depth to groundwater information is provided as Appendix A.

| | | | |
|---|---|--|--|
| What is the shallowest depth to groundwater beneath the area affected by the release? | <u>> 45 Ft.</u> | | |
| Did the release impact groundwater or surface water? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
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| Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
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| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Did the release impact areas not on an exploration, development, production or storage site? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted on Figures 1 & 2.

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater and NMOCD Siting Criteria, the NMOCD Closure Criteria for the Site is as follows:

| Closure Criteria for Soil Impacted by a Release | | | |
|---|-----------------------|-----------------------------------|-----------|
| Probable Depth to Groundwater | Constituent | Method | Limit |
| > 45 Ft. | Chloride | EPA 300.0 or SM4500 Cl B | 600 mg/kg |
| | TPH (GRO + DRO + MRO) | EPA SW-846 Method 8015M Ext | 100 mg/kg |
| | DRO + GRO | EPA SW-846 Method 8015M | N/A mg/kg |
| | BTEX | EPA SW-846 Methods 8021b or 8260b | 50 mg/kg |
| | Benzene | EPA SW-846 Methods 8021b or 8260b | 10 mg/kg |

4.0 INITIAL INVESTIGATION

During initial response activities the affected tank and impacted gravel was removed from within the lined tank battery containment. Upon removing the affected gravel a liner inspection was conducted. During the liner inspection it was determined that the liner was intact, with the exception of three (3) areas on the firewall inferred to have been melted by the subject fire above the high water mark.

On August 10, 2020, eTech revisited the Site. During the site visit, access holes were cut into the liner to allow for the advancement of hand-augered soil bores on the west and east sides of the lined tank battery containment. During the advancement of the hand-augered soil bores, four (4) soil samples (8.10 SP1 @ Surface, 8.10 SP1 @ 1', 8.10 SP2 @ Surface, and 8.10 SP2 @ 1') were collected. In addition, a hand-augered soil bore (8.10 SP3) was advanced within the lined containment in an area that was inferred to have been melted by the subject fire. During the advancement of the hand-augered soil bore, two (2) soil samples (8.10 SP3 @ Surface and 8.10 SP3 @ 1') were collected. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results indicated BTEX, TPH and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of soil samples 8.10 SP1 @ Surface and 8.10 SP3 @ Surface, which exhibited chloride concentrations of 1,170 mg/kg and 1,450 mg/kg, respectively. Laboratory analytical results indicated soil was not impacted above the NMOCD Closure Criteria for chloride beyond 1 Ft. bgs in the areas characterized by sample points 8.10 SP1 and 8.10 SP3.

A "Site & Sample Location Map" is provided as Figure 3. A "Soil Chemistry Table" is provided as Table 1. Laboratory Analytical Reports are provided in Appendix C. Field data and soil profile logs, if applicable, are provided as Appendix B.

5.0 DEFERRAL REQUEST

Based on laboratory analytical results and field observations, COG requests NMOCD approval to defer remediation of impacted soil affected above the NMOCD Closure Criteria beneath the lined tank battery facility. COG maintains remediation of impacted soil affected above the NMOCD Closure Criteria beneath the lined tank battery facility may pose a risk to human health and safety and would result in a major facility deconstruction. Remediation of impacted soil affected above the NMOCD Closure Criteria remaining in-situ beneath the lined tank battery facility will be completed upon abandoning and decommissioning the facility.

6.0 RESTORATION, RECLAMATION AND RE-VEGETATION PLAN

The release was limited to an active tank battery facility on a production pad. Final reclamation and re-vegetation will be conducted in accordance with NMAC 19.15.29.13 upon decommissioning the facility.

7.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this Site Characterization Report and Deferral Request to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents reference in the report and on oral statements made by certain individuals. Basis has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of COG Operating, LLC. Use of the information contained in this report is prohibited within the consent of Etech and/or COG Operating, LLC.

8.0 DISTRIBUTION

COG Operating, LLC

*600 West Illinois Avenue
Midland, TX 79701*

New Mexico Energy, Minerals and Natural Resources Department

*Oil Conservation Division, District 2
811 S. First Street
Artesia, NM 88210*

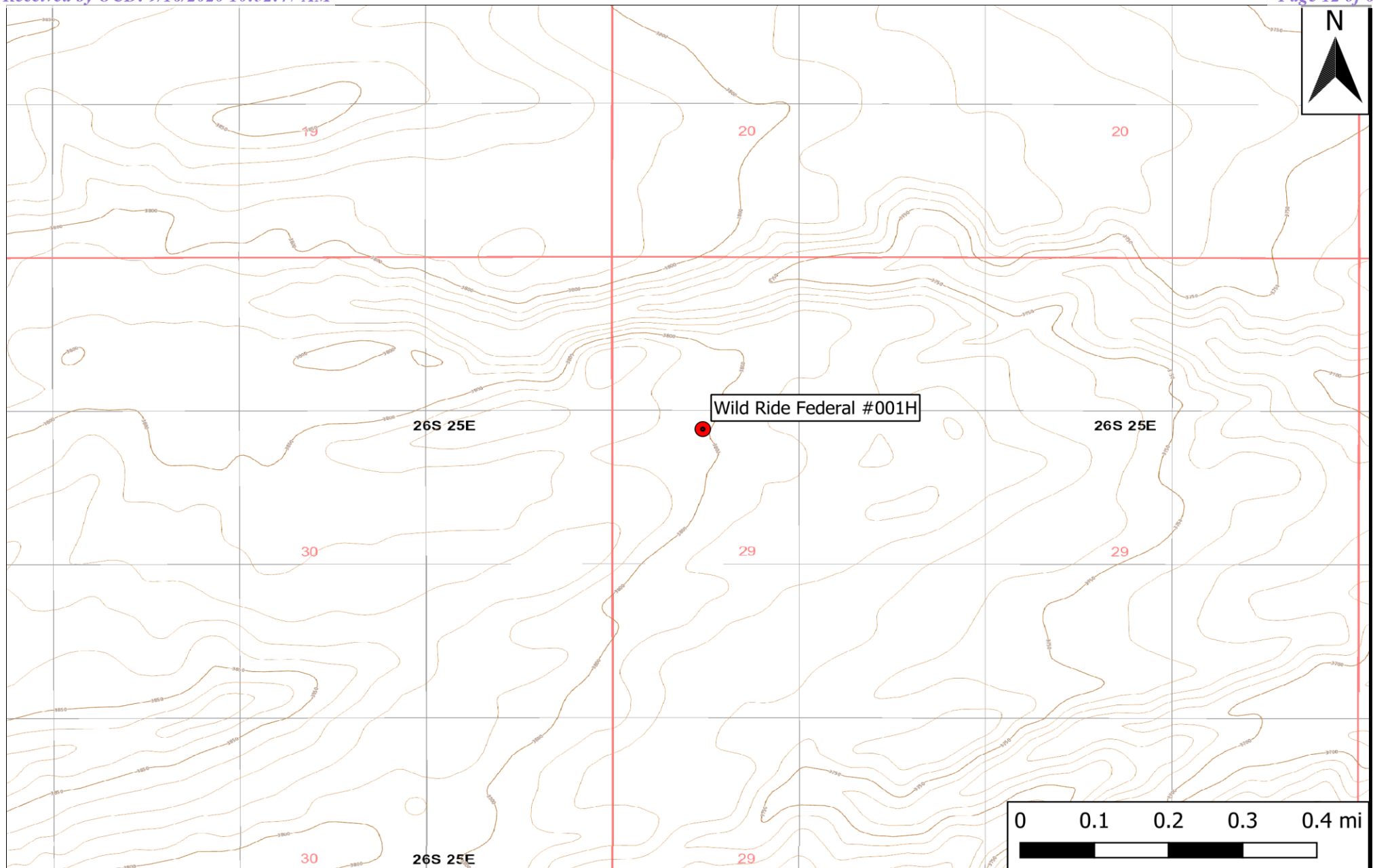
United States Department of the Interior

*Bureau of Land Management
620 E. Greene Street
Carlsbad, NM 88220*

(Electronic Submission)

Figure 1

Topographic Map

**Legend**

● Site Location

Figure 1

Topographic Map
COG Operating, LLC
Wild Ride Federal #001H
GPS: 32.01648, -104.42426
Eddy County



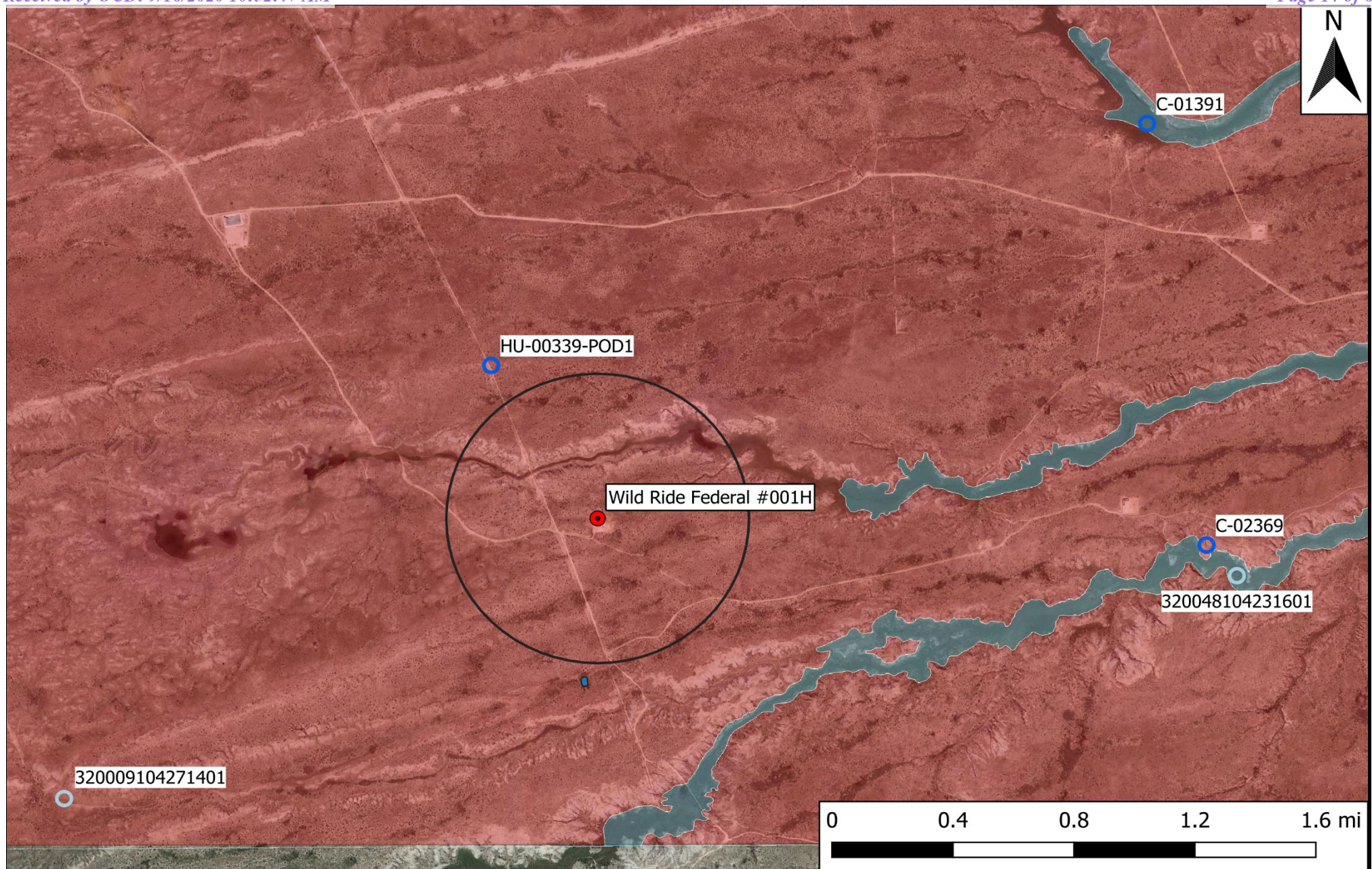
Drafted: mag

Checked: jwl

Date: 8/19/20

Figure 2

Aerial Proximity Map



- Legend**
- Site Location
 - Well - USGS
 - Well - NMOSE
 - 0.5 Mi Radius
 - 1% Annual Flood Chance
 - Surface Water
 - Potash Mine Workings
 - High Karst
 - Medium Karst

Figure 2
 Aerial Map
 COG Operating, LLC
 Wild Ride Federal #001H
 GPS: 32.01648, -104.42426
 Eddy County

eTECH
 Environmental & Safety Solutions, Inc.

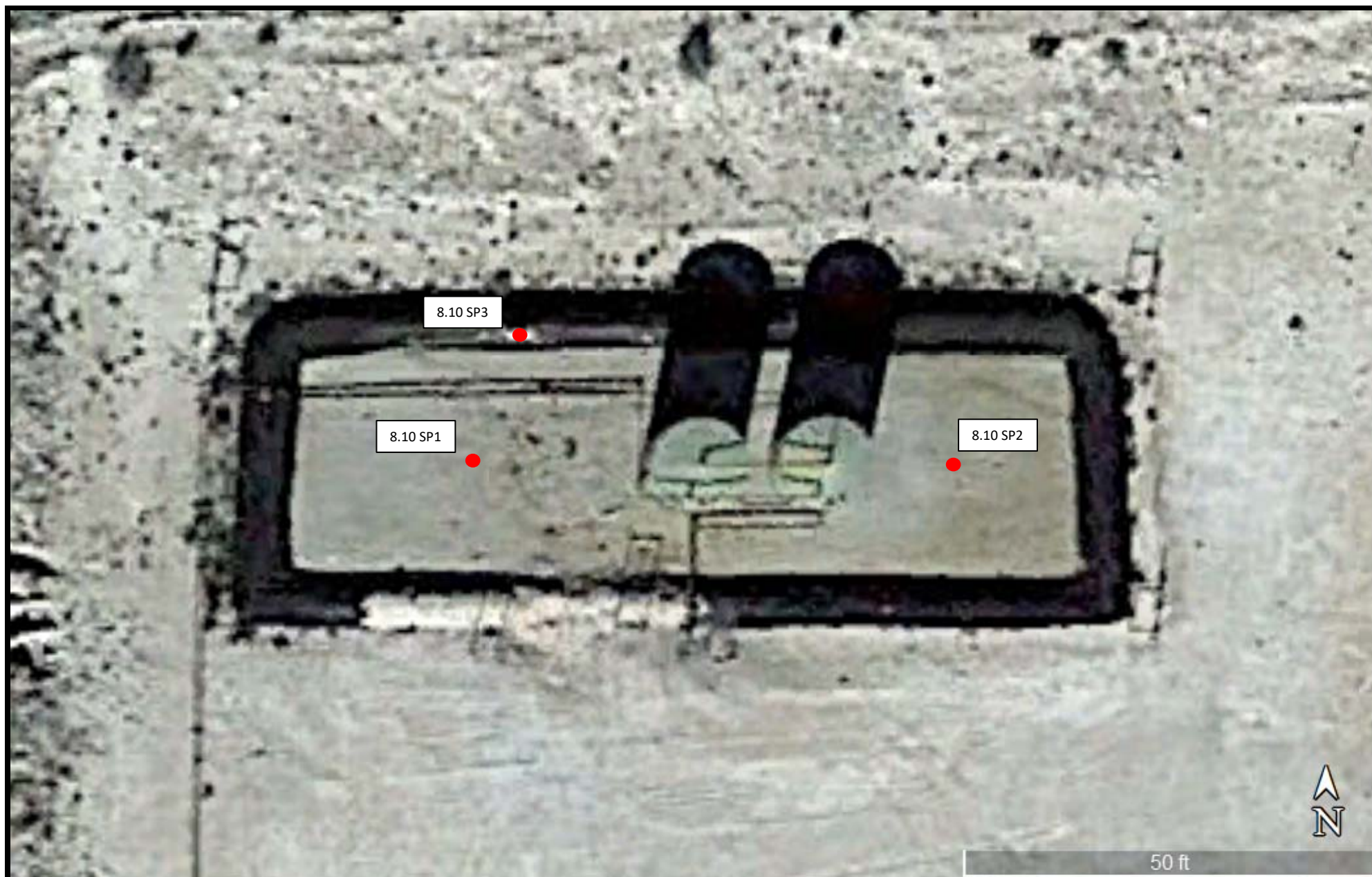
Drafted: mag

Checked: jwl

Date: 8/19/20

Figure 3

Site and Sample Location Map

**Legend:**

● Sample Point

Figure 3

Site and Sample Location Map
COG Operating, LLC
Wild Ride Federal #001H
GPS: 32.01648, -104.42426
Eddy County

eTECH
Environmental & Safety Solutions, Inc.

Drafted:

Checked: jwl

Date:

8/28/20

Table 1
Concentrations of BTEX, TPH, and/or Chloride in Soil

TABLE 1
CONCENTRATIONS OF BENZENE, BTEX TPH AND CHLORIDE IN SOIL
COG Operating, LLC
Wild Ride Federal #001H
NMOCD Ref. #: nAB1922539866

| Sample ID | Date | Depth | Soil Status | SW 846 8021B | | SW 846 8015M Ext. | | | | | 4500 Cl |
|-------------------------|-----------|-------|-------------|--------------------|-----------------|---|--|--|--|---|---------------------|
| | | | | Benzene (mg/kg) | BTEX (mg/kg) | GRO C ₆ -C ₁₀ (mg/kg) | DRO C ₁₀ -C ₂₈ (mg/kg) | GRO + DRO C ₆ -C ₂₈ (mg/kg) | ORO C ₂₈ -C ₃₆ (mg/kg) | TPH C ₆ -C ₃₆ (mg/kg) | Chloride (mg/kg) |
| 8.10 SP1 @ Surface | 8/10/2020 | 0' | In-Situ | <0.00202 | 0.00835 | <49.8 | <49.8 | <49.8 | <49.8 | <49.8 | 1,170 |
| 8.10 SP1 @ 1' | 8/10/2020 | 1' | In-Situ | <0.00201 | <0.00201 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 581 |
| 8.10 SP2 @ Surface | 8/10/2020 | 0' | In-Situ | <.00198 | 0.00635 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 13.1 |
| 8.10 SP2 @ 1' | 8/10/2020 | 1' | In-Situ | 0.00255 | 0.01040 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 58.3 |
| 8.10 SP3 @ Surface | 8/10/2020 | 0' | In-Situ | <0.00199 | 0.00529 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 1,450 |
| 8.10 SP3 @ 1' | 8/10/2020 | 1' | In-Situ | <0.00199 | 0.00479 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 14.0 |
| Closure Criteria | | | | 10 | 50 | - | - | N/A | - | 100 | 600 |

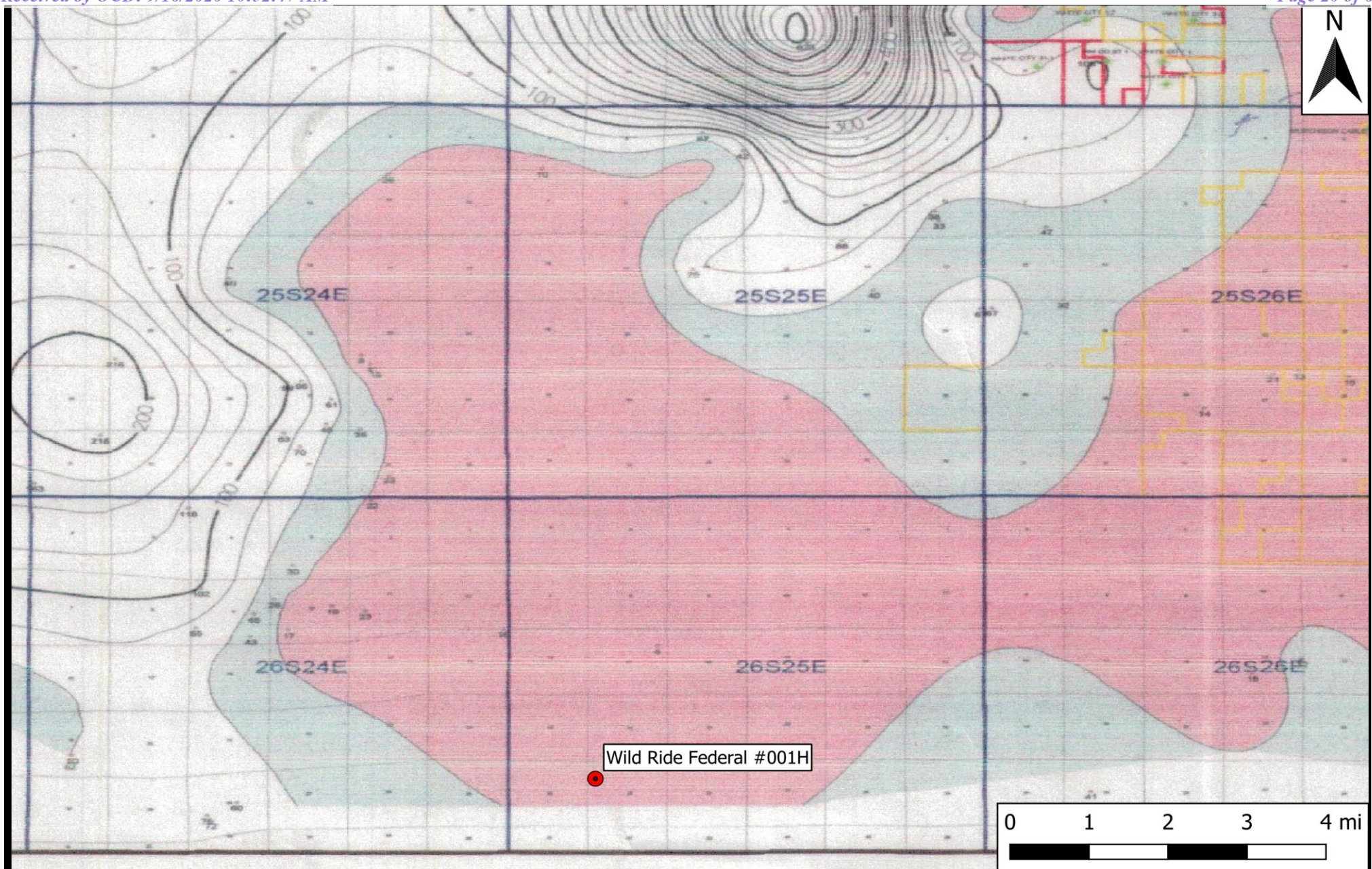
NOTES:

- =

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

Appendix A

Depth to Groundwater Information



Legend

- Site Location

Figure 4

Inferred Depth to Groundwater Trend Map
 COG Operating, LLC
 Wild Ride Federal #001H
 GPS: 32.01648, -104.42426
 Eddy County



Drafted: mag

Checked: jwl

Date: 8/19/20



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

| POD Number | Code | Sub-basin | County | Q | Q | Q | Sec | Tw | Rng | X | Y | Distance | Depth | Well | Depth | Water | Column |
|-------------------------------|------|-----------|--------|---|---|---|-----|----|-----|-----|--------|----------|-------|------|-------|-------------------------|--------|
| HU 00339 POD1 | | HU | DA | 4 | 4 | 4 | 21 | 26 | S | 05E | 553806 | 3543254 | 1019 | 520 | 376 | 144 | |
| | | | | | | | | | | | | | | | | Average Depth to Water: | |
| | | | | | | | | | | | | | | | | 376 feet | |
| | | | | | | | | | | | | | | | | Minimum Depth: | |
| | | | | | | | | | | | | | | | | 376 feet | |
| | | | | | | | | | | | | | | | | Maximum Depth: | |
| | | | | | | | | | | | | | | | | 376 feet | |

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 554372.39

Northing (Y): 3542407.21

Radius: 1610

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


8/19/20 1:16 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

| | | | | | | | | | |
|-----------------|-------------------|------------------------------------|------------|-----------|------------|------------|------------|-----------------------|--|
| | | (quarters are 1=NW 2=NE 3=SW 4=SE) | | | | | | | |
| | | (quarters are smallest to largest) | | | | | | (NAD83 UTM in meters) | |
| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Tws | Rng | X | Y |
| | HU 00339 POD1 | 4 | 4 | 4 | 21 | 26S | 05E | 553806 | 3543254  |

x

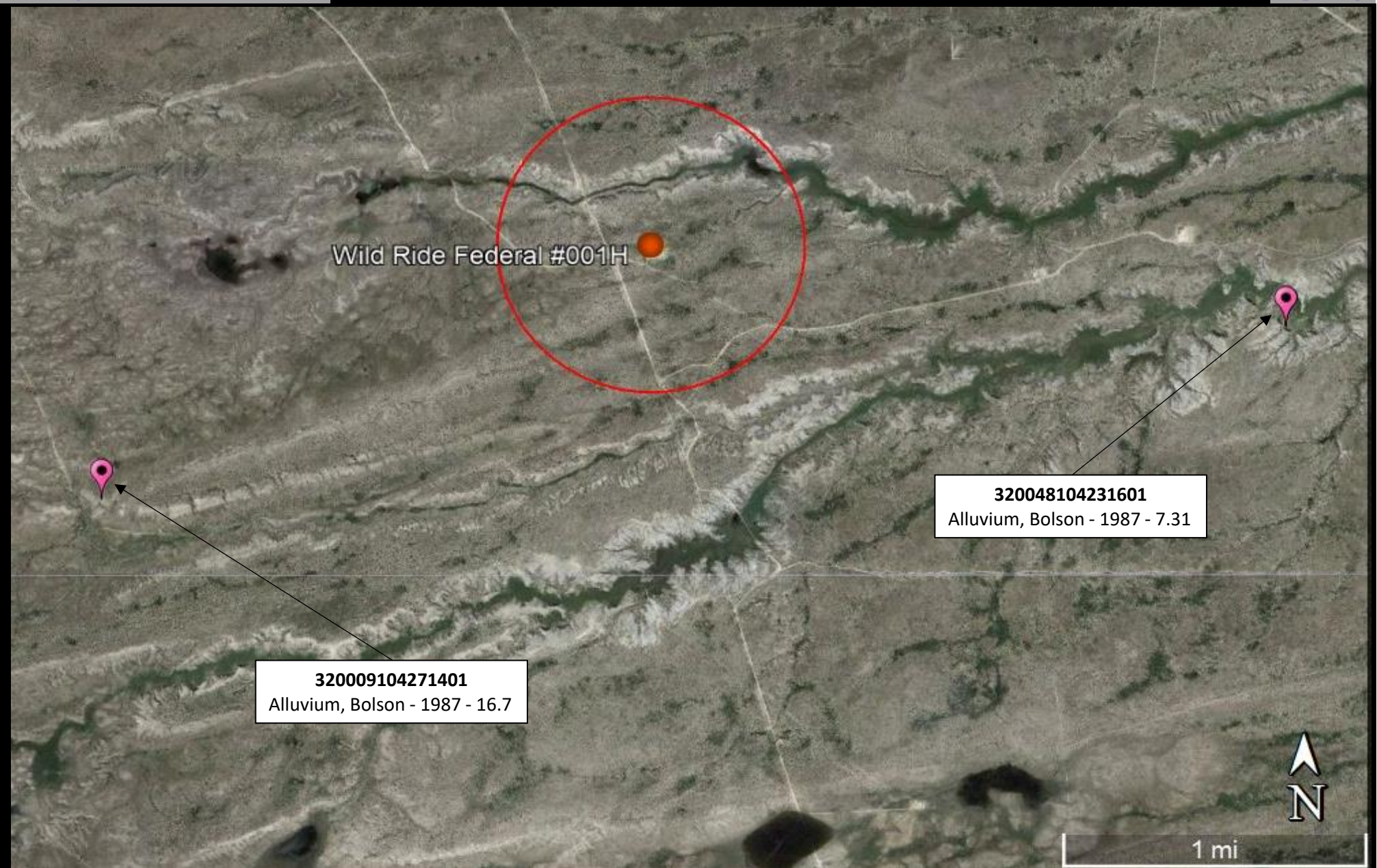
Driller License:**Driller Company:****Driller Name:** UNKNOWN**Drill Start Date:****Drill Finish Date:** 12/31/1931**Plug Date:****Log File Date:****PCW Rcv Date:****Source:****Pump Type:****Pipe Discharge Size:****Estimated Yield:****Casing Size:** 6.50**Depth Well:** 520 feet**Depth Water:** 376 feet

x

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

8/19/20 1:17 PM

POINT OF DIVERSION SUMMARY



Legend:

- Site Location
- USGS Water Well

Figure 5

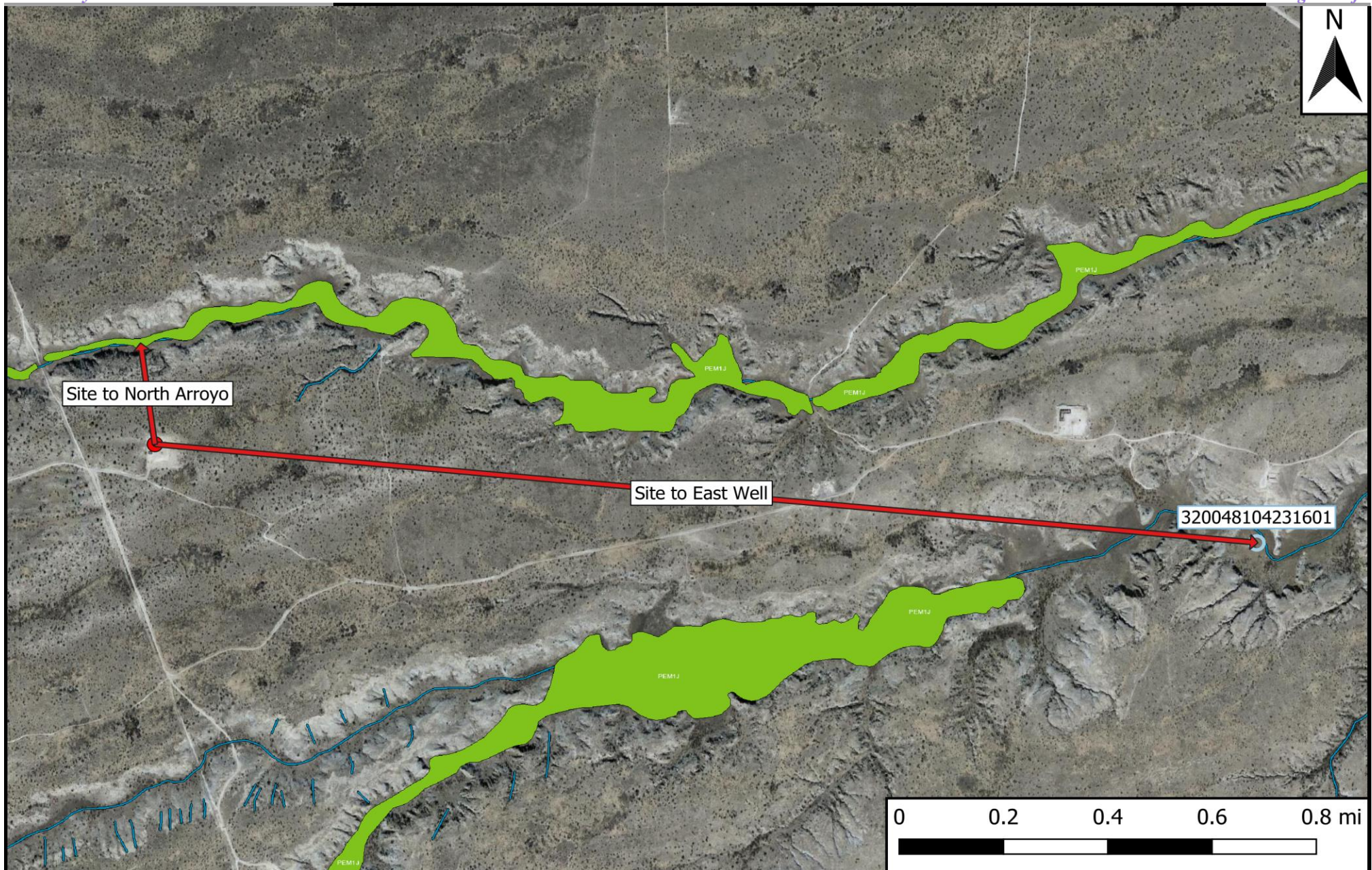
USGS Well Proximity Map
COG Operating, LLC
Wild Ride Federal #001H
GPS: 32.01648, -104.42426
Eddy County



Drafted: lc

Checked: jwl

Date: 8/19/20



| | |
|------------------------|----------------------------|
| Legend | 0.5 Mi Radius |
| → Elevation Line | 1000 Ft Radius |
| ● Site Location | 1% Annual Flood Chance |
| ○ Well - NMOSE | Lake/Freshwater Pond |
| ○ Well - USGS | Emergent/Forested Wetlands |
| — Potash Mine Workings | Riverine |

Figure 2
Aerial Map - Elevation Profile Lines
COG Operating, LLC
Wild Ride Federal #001H
GPS: 32.01648, -104.42426
Eddy County

eTECH
Environmental & Safety Solutions, Inc.

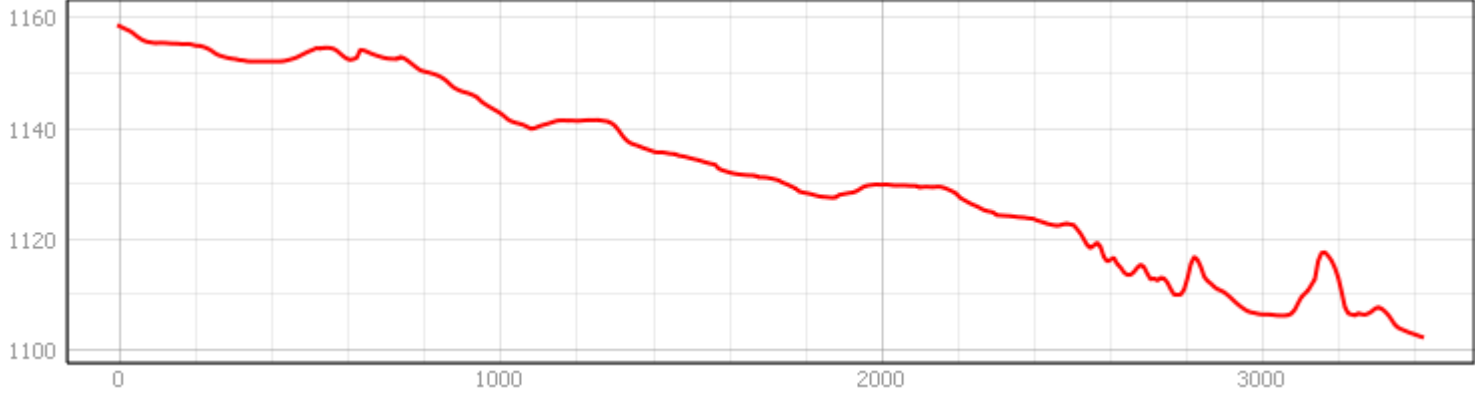
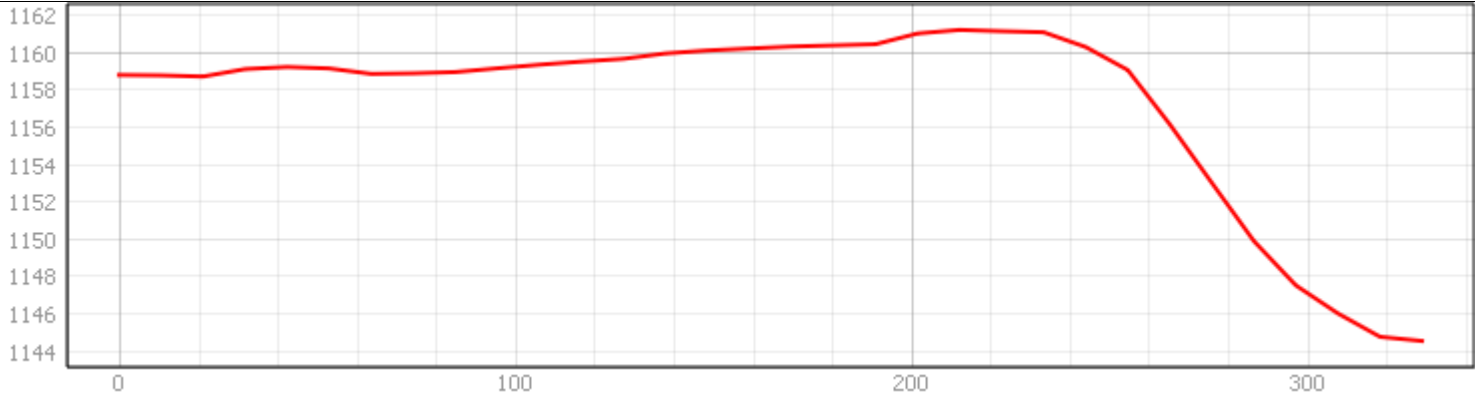
Drafted: mag

Checked: jwl

Date: 9/1/20

Wild Ride Federal #1H – Elevation Profile Graphs

Data Source: USGS National Map

| Start | Elevation (Y - meters) by Distance (X - meters) | End | Delta |
|------------------------|---|-----------------------|------------------|
| Site Location (1159 m) |  | East Well (1102 m) | -57 m (-187 ft) |
| Site Location (1159 m) |  | North Arroyo (1145 m) | -14 m (-45.9 ft) |



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National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category:


Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

- [Introducing The Next Generation of USGS Water Data for the Nation](#)
- [Full News](#) 

Groundwater levels for the Nation

Search Results -- 1 sites found

site_no list =

- 320048104231601

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 320048104231601 26S.25E.27.134434

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°00'48", Longitude 104°23'16" NAD27

Land-surface elevation 3,615.00 feet above NGVD29

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

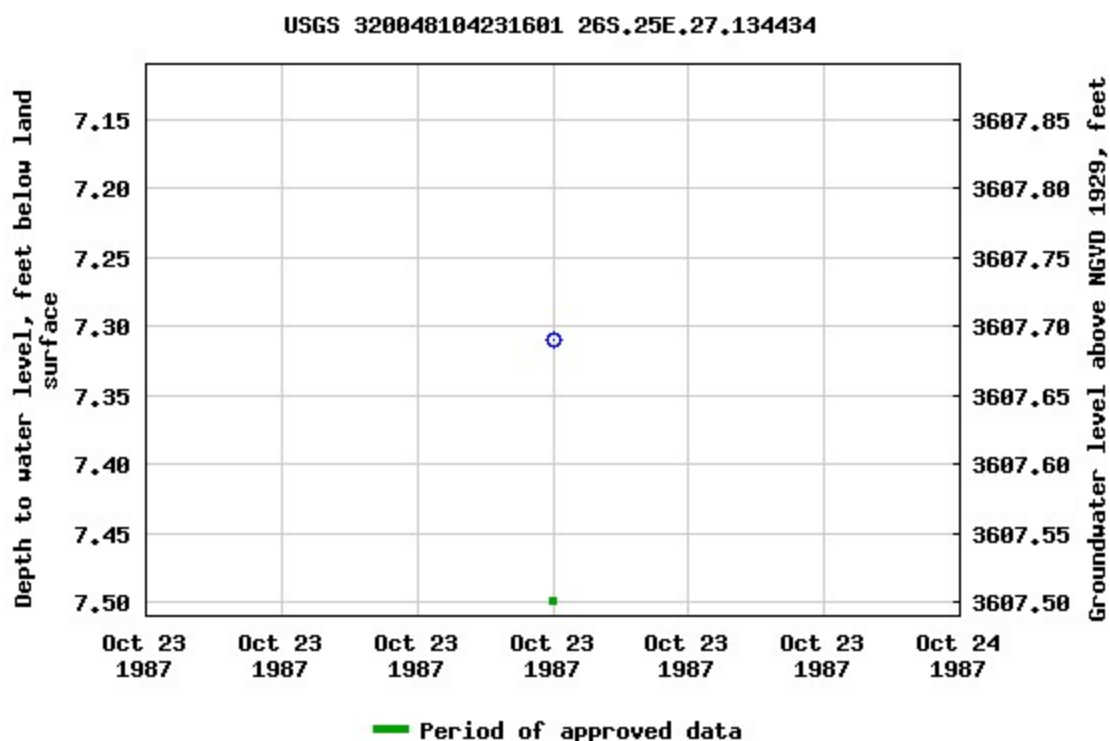
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Breaks in the plot represent a gap of at least one year between field measurements.

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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: 2019-09-17 10:15:43 EDT

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site_no list =

- 320009104271401

Minimum number of levels = 1

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USGS 320009104271401 26S.24E.36.12333

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°00'09", Longitude 104°27'14" NAD27

Land-surface elevation 3,812 feet above NGVD29

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

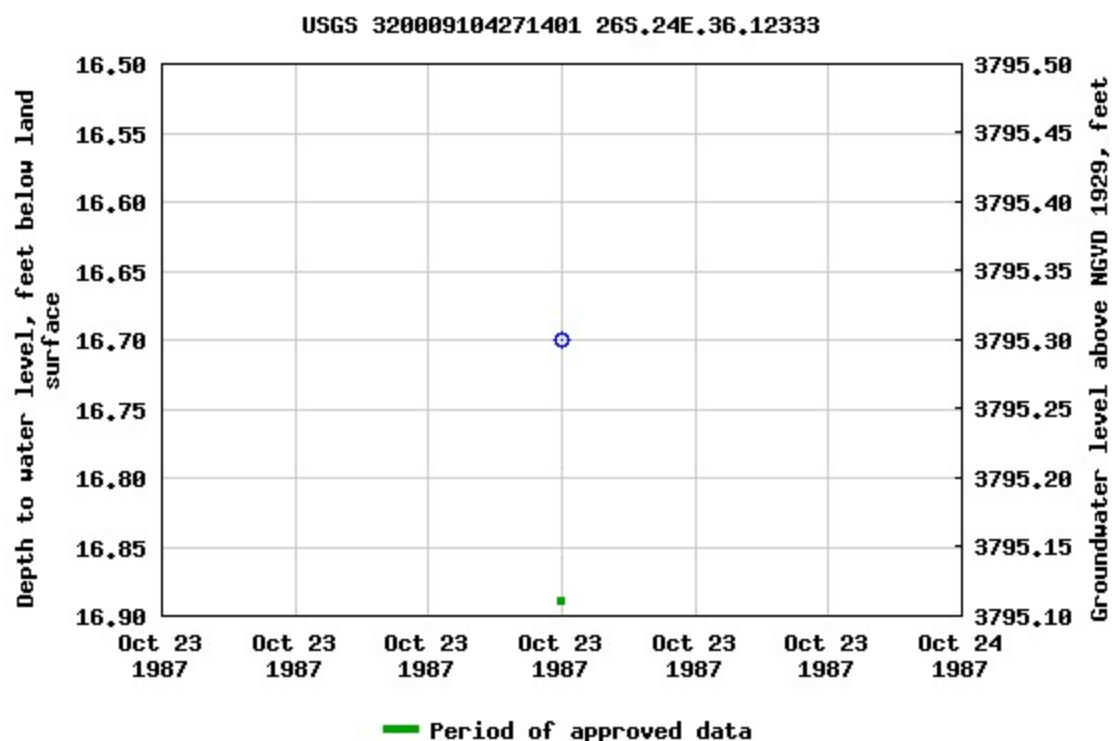
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Breaks in the plot represent a gap of at least one year between field measurements.

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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: 2019-09-17 10:18:57 EDT

1.03 0.96 nadww02

Appendix B

Field Data and Soil Profile Logs



Soil Profile

Project: Wild Ride Federal #001H Date: 8/10/20
Project Number: 0 Latitude: 32.01648 Longitude: -104.42426

| Depth (ft. bgs) | Description |
|-----------------|-----------------------|
| 1 | Imported Fill/Caliche |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |
| 11 | |
| 12 | |
| 13 | |
| 14 | |
| 15 | |
| 16 | |
| 17 | |
| 18 | |
| 19 | |
| 20 | |
| 21 | |
| 22 | |
| 23 | |
| 24 | |
| 25 | |
| 26 | |
| 27 | |
| 28 | |
| 29 | |
| 30 | |
| 31 | |
| 32 | |
| 33 | |
| 34 | |
| 35 | |
| 36 | |
| 37 | |
| 38 | |
| 39 | |
| 40 | |

Appendix C

Laboratory Analytical Reports

Certificate of Analysis Summary 669782

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Wild Ride Federal #001H

Project Id: 11245
Contact: PM
Project Location: Eddy County, NM

Date Received in Lab: Wed 08.12.2020 11:20
Report Date: 08.17.2020 13:21
Project Manager: Jessica Kramer

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 669782-001 | 669782-002 | 669782-003 | 669782-004 | | |
|------------------------------------|-------------------|--------------------|------------------|--------------------|------------------|--|--|
| | <i>Field Id:</i> | 8.10 SP1 @ Surface | 8.10 SP1 @ 1' | 8.10 SP2 @ Surface | 8.10 SP2 @ 1' | | |
| | <i>Depth:</i> | | 1- ft | | 1- ft | | |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | | |
| | <i>Sampled:</i> | 08.10.2020 00:00 | 08.10.2020 00:00 | 08.10.2020 00:00 | 08.10.2020 00:00 | | |
| BTEX by EPA 8021B | <i>Extracted:</i> | 08.14.2020 08:00 | 08.14.2020 08:00 | 08.14.2020 08:00 | 08.14.2020 08:00 | | |
| | <i>Analyzed:</i> | 08.14.2020 12:30 | 08.14.2020 12:50 | 08.14.2020 13:11 | 08.14.2020 13:31 | | |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | | |
| Benzene | | <0.00202 0.00202 | <0.00201 0.00201 | <0.00198 0.00198 | 0.00255 0.00199 | | |
| Toluene | | 0.00835 0.00202 | <0.00201 0.00201 | 0.00635 0.00198 | 0.00784 0.00199 | | |
| Ethylbenzene | | <0.00202 0.00202 | <0.00201 0.00201 | <0.00198 0.00198 | <0.00199 0.00199 | | |
| m,p-Xylenes | | <0.00404 0.00404 | <0.00402 0.00402 | <0.00396 0.00396 | <0.00398 0.00398 | | |
| o-Xylene | | <0.00202 0.00202 | <0.00201 0.00201 | <0.00198 0.00198 | <0.00199 0.00199 | | |
| Total Xylenes | | <0.00202 0.00202 | <0.00201 0.00201 | <0.00198 0.00198 | <0.00199 0.00199 | | |
| Total BTEX | | 0.00835 0.00202 | <0.00201 0.00201 | 0.00635 0.00198 | 0.0104 0.00199 | | |
| Chloride by EPA 300 | <i>Extracted:</i> | 08.13.2020 10:25 | 08.13.2020 10:25 | 08.13.2020 10:25 | 08.13.2020 10:25 | | |
| | <i>Analyzed:</i> | 08.13.2020 13:00 | 08.13.2020 13:06 | 08.14.2020 08:29 | 08.13.2020 13:32 | | |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | | |
| Chloride | | 1170 50.3 | 581 49.8 | 13.1 4.96 | 58.3 50.0 | | |
| TPH by SW8015 Mod | <i>Extracted:</i> | 08.13.2020 17:00 | 08.13.2020 17:00 | 08.13.2020 17:00 | 08.13.2020 17:00 | | |
| | <i>Analyzed:</i> | 08.14.2020 05:15 | 08.14.2020 05:36 | 08.14.2020 05:58 | 08.14.2020 06:19 | | |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | | |
| Gasoline Range Hydrocarbons (GRO) | | <49.8 49.8 | <50.0 50.0 | <50.0 50.0 | <49.9 49.9 | | |
| Diesel Range Organics (DRO) | | <49.8 49.8 | <50.0 50.0 | <50.0 50.0 | <49.9 49.9 | | |
| Motor Oil Range Hydrocarbons (MRO) | | <49.8 49.8 | <50.0 50.0 | <50.0 50.0 | <49.9 49.9 | | |
| Total TPH | | <49.8 49.8 | <50.0 50.0 | <50.0 50.0 | <49.9 49.9 | | |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Analytical Report 669782

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Wild Ride Federal #001H

11245

08.17.2020

Collected By: Client



**1211 W. Florida Ave
Midland TX 79701**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-37), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)



08.17.2020

Project Manager: **PM**

Etech Environmental & Safety Solution, Inc

P.O. Box 62228

Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **669782**

Wild Ride Federal #001H

Project Address: Eddy County, NM

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 669782. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 669782 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

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

Jessica Kramer

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

**Sample Cross Reference 669782****Etech Environmental & Safety Solution, Inc, Midland, TX**

Wild Ride Federal #001H

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|--------------------|--------|------------------|--------------|---------------|
| 8.10 SP1 @ Surface | S | 08.10.2020 00:00 | | 669782-001 |
| 8.10 SP1 @ 1' | S | 08.10.2020 00:00 | 1 ft | 669782-002 |
| 8.10 SP2 @ Surface | S | 08.10.2020 00:00 | | 669782-003 |
| 8.10 SP2 @ 1' | S | 08.10.2020 00:00 | 1 ft | 669782-004 |



CASE NARRATIVE

Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Wild Ride Federal #001H

Project ID: 11245
Work Order Number(s): 669782

Report Date: 08.17.2020
Date Received: 08.12.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results 669782

Etech Environmental & Safety Solution, Inc, Midland, TX

Wild Ride Federal #001H

Sample Id: **8.10 SP1 @ Surface**

Matrix: Soil

Date Received: 08.12.2020 11:20

Lab Sample Id: 669782-001

Date Collected: 08.10.2020 00:00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: SPC

Date Prep: 08.13.2020 10:25

Basis: Wet Weight

Seq Number: 3134516

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 1170 | 50.3 | mg/kg | 08.13.2020 13:00 | | 10 |

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.13.2020 17:00

Basis: Wet Weight

Seq Number: 3134554

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <49.8 | 49.8 | mg/kg | 08.14.2020 05:15 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <49.8 | 49.8 | mg/kg | 08.14.2020 05:15 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <49.8 | 49.8 | mg/kg | 08.14.2020 05:15 | U | 1 |
| Total TPH | PHC635 | <49.8 | 49.8 | mg/kg | 08.14.2020 05:15 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3 | 112 | % | 70-130 | 08.14.2020 05:15 | |
| o-Terphenyl | 84-15-1 | 110 | % | 70-130 | 08.14.2020 05:15 | |



Certificate of Analytical Results 669782

Etech Environmental & Safety Solution, Inc, Midland, TX

Wild Ride Federal #001H

Sample Id: **8.10 SP1 @ Surface**

Matrix: Soil

Date Received: 08.12.2020 11:20

Lab Sample Id: 669782-001

Date Collected: 08.10.2020 00:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.14.2020 08:00

Basis: Wet Weight

Seq Number: 3134669

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00202 | 0.00202 | mg/kg | 08.14.2020 12:30 | U | 1 |
| Toluene | 108-88-3 | 0.00835 | 0.00202 | mg/kg | 08.14.2020 12:30 | | 1 |
| Ethylbenzene | 100-41-4 | <0.00202 | 0.00202 | mg/kg | 08.14.2020 12:30 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00404 | 0.00404 | mg/kg | 08.14.2020 12:30 | U | 1 |
| o-Xylene | 95-47-6 | <0.00202 | 0.00202 | mg/kg | 08.14.2020 12:30 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00202 | 0.00202 | mg/kg | 08.14.2020 12:30 | U | 1 |
| Total BTEX | | 0.00835 | 0.00202 | mg/kg | 08.14.2020 12:30 | | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 4-Bromofluorobenzene | 460-00-4 | 102 | % | 70-130 | 08.14.2020 12:30 | | |
| 1,4-Difluorobenzene | 540-36-3 | 115 | % | 70-130 | 08.14.2020 12:30 | | |



Certificate of Analytical Results 669782

Etech Environmental & Safety Solution, Inc, Midland, TX

Wild Ride Federal #001H

Sample Id: **8.10 SP1 @ 1'**

Matrix: Soil

Date Received: 08.12.2020 11:20

Lab Sample Id: 669782-002

Date Collected: 08.10.2020 00:00

Sample Depth: 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: SPC

Date Prep: 08.13.2020 10:25

Basis: Wet Weight

Seq Number: 3134516

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 581 | 49.8 | mg/kg | 08.13.2020 13:06 | | 10 |

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.13.2020 17:00

Basis: Wet Weight

Seq Number: 3134554

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.0 | 50.0 | mg/kg | 08.14.2020 05:36 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.0 | 50.0 | mg/kg | 08.14.2020 05:36 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.0 | 50.0 | mg/kg | 08.14.2020 05:36 | U | 1 |
| Total TPH | PHC635 | <50.0 | 50.0 | mg/kg | 08.14.2020 05:36 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3 | 118 | % | 70-130 | 08.14.2020 05:36 | |
| o-Terphenyl | 84-15-1 | 113 | % | 70-130 | 08.14.2020 05:36 | |



Certificate of Analytical Results 669782

Etech Environmental & Safety Solution, Inc, Midland, TX

Wild Ride Federal #001H

Sample Id: **8.10 SP1 @ 1'**

Matrix: Soil

Date Received: 08.12.2020 11:20

Lab Sample Id: 669782-002

Date Collected: 08.10.2020 00:00

Sample Depth: 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.14.2020 08:00

Basis: Wet Weight

Seq Number: 3134669

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00201 | 0.00201 | mg/kg | 08.14.2020 12:50 | U | 1 |
| Toluene | 108-88-3 | <0.00201 | 0.00201 | mg/kg | 08.14.2020 12:50 | U | 1 |
| Ethylbenzene | 100-41-4 | <0.00201 | 0.00201 | mg/kg | 08.14.2020 12:50 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00402 | 0.00402 | mg/kg | 08.14.2020 12:50 | U | 1 |
| o-Xylene | 95-47-6 | <0.00201 | 0.00201 | mg/kg | 08.14.2020 12:50 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00201 | 0.00201 | mg/kg | 08.14.2020 12:50 | U | 1 |
| Total BTEX | | <0.00201 | 0.00201 | mg/kg | 08.14.2020 12:50 | U | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1,4-Difluorobenzene | 540-36-3 | 120 | % | 70-130 | 08.14.2020 12:50 | | |
| 4-Bromofluorobenzene | 460-00-4 | 101 | % | 70-130 | 08.14.2020 12:50 | | |



Certificate of Analytical Results 669782

Etech Environmental & Safety Solution, Inc, Midland, TX

Wild Ride Federal #001H

Sample Id: **8.10 SP2 @ Surface**

Matrix: Soil

Date Received: 08.12.2020 11:20

Lab Sample Id: 669782-003

Date Collected: 08.10.2020 00:00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: SPC

Date Prep: 08.13.2020 10:25

Basis: Wet Weight

Seq Number: 3134516

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 13.1 | 4.96 | mg/kg | 08.14.2020 08:29 | | 1 |

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.13.2020 17:00

Basis: Wet Weight

Seq Number: 3134554

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.0 | 50.0 | mg/kg | 08.14.2020 05:58 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.0 | 50.0 | mg/kg | 08.14.2020 05:58 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.0 | 50.0 | mg/kg | 08.14.2020 05:58 | U | 1 |
| Total TPH | PHC635 | <50.0 | 50.0 | mg/kg | 08.14.2020 05:58 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3 | 113 | % | 70-130 | 08.14.2020 05:58 | |
| o-Terphenyl | 84-15-1 | 110 | % | 70-130 | 08.14.2020 05:58 | |



Certificate of Analytical Results 669782

Etech Environmental & Safety Solution, Inc, Midland, TX

Wild Ride Federal #001H

Sample Id: **8.10 SP2 @ Surface**

Matrix: Soil

Date Received: 08.12.2020 11:20

Lab Sample Id: 669782-003

Date Collected: 08.10.2020 00:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.14.2020 08:00

Basis: Wet Weight

Seq Number: 3134669

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00198 | 0.00198 | mg/kg | 08.14.2020 13:11 | U | 1 |
| Toluene | 108-88-3 | 0.00635 | 0.00198 | mg/kg | 08.14.2020 13:11 | | 1 |
| Ethylbenzene | 100-41-4 | <0.00198 | 0.00198 | mg/kg | 08.14.2020 13:11 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00396 | 0.00396 | mg/kg | 08.14.2020 13:11 | U | 1 |
| o-Xylene | 95-47-6 | <0.00198 | 0.00198 | mg/kg | 08.14.2020 13:11 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00198 | 0.00198 | mg/kg | 08.14.2020 13:11 | U | 1 |
| Total BTEX | | 0.00635 | 0.00198 | mg/kg | 08.14.2020 13:11 | | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1,4-Difluorobenzene | 540-36-3 | 116 | % | 70-130 | 08.14.2020 13:11 | | |
| 4-Bromofluorobenzene | 460-00-4 | 99 | % | 70-130 | 08.14.2020 13:11 | | |



Certificate of Analytical Results 669782

Etech Environmental & Safety Solution, Inc, Midland, TX

Wild Ride Federal #001H

Sample Id: **8.10 SP2 @ 1'**

Matrix: Soil

Date Received: 08.12.2020 11:20

Lab Sample Id: 669782-004

Date Collected: 08.10.2020 00:00

Sample Depth: 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: SPC

Date Prep: 08.13.2020 10:25

Basis: Wet Weight

Seq Number: 3134516

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 58.3 | 50.0 | mg/kg | 08.13.2020 13:32 | | 10 |

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.13.2020 17:00

Basis: Wet Weight

Seq Number: 3134554

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <49.9 | 49.9 | mg/kg | 08.14.2020 06:19 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <49.9 | 49.9 | mg/kg | 08.14.2020 06:19 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <49.9 | 49.9 | mg/kg | 08.14.2020 06:19 | U | 1 |
| Total TPH | PHC635 | <49.9 | 49.9 | mg/kg | 08.14.2020 06:19 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3 | 114 | % | 70-130 | 08.14.2020 06:19 | |
| o-Terphenyl | 84-15-1 | 114 | % | 70-130 | 08.14.2020 06:19 | |



Certificate of Analytical Results 669782

Etech Environmental & Safety Solution, Inc, Midland, TX

Wild Ride Federal #001H

Sample Id: **8.10 SP2 @ 1'**

Matrix: Soil

Date Received: 08.12.2020 11:20

Lab Sample Id: 669782-004

Date Collected: 08.10.2020 00:00

Sample Depth: 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.14.2020 08:00

Basis: Wet Weight

Seq Number: 3134669

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | 0.00255 | 0.00199 | mg/kg | 08.14.2020 13:31 | | 1 |
| Toluene | 108-88-3 | 0.00784 | 0.00199 | mg/kg | 08.14.2020 13:31 | | 1 |
| Ethylbenzene | 100-41-4 | <0.00199 | 0.00199 | mg/kg | 08.14.2020 13:31 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00398 | 0.00398 | mg/kg | 08.14.2020 13:31 | U | 1 |
| o-Xylene | 95-47-6 | <0.00199 | 0.00199 | mg/kg | 08.14.2020 13:31 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00199 | 0.00199 | mg/kg | 08.14.2020 13:31 | U | 1 |
| Total BTEX | | 0.0104 | 0.00199 | mg/kg | 08.14.2020 13:31 | | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 4-Bromofluorobenzene | 460-00-4 | 103 | % | 70-130 | 08.14.2020 13:31 | | |
| 1,4-Difluorobenzene | 540-36-3 | 119 | % | 70-130 | 08.14.2020 13:31 | | |

Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



Etech Environmental & Safety Solution, Inc

Wild Ride Federal #001H

Analytical Method: Chloride by EPA 300

Seq Number: 3134516

MB Sample Id: 7709361-1-BLK

Matrix: Solid

LCS Sample Id: 7709361-1-BKS

Prep Method: E300P

Date Prep: 08.13.2020

LCSD Sample Id: 7709361-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Chloride | <5.00 | 250 | 265 | 106 | 265 | 106 | 90-110 | 0 | 20 | mg/kg | 08.13.2020 11:25 | |

Analytical Method: Chloride by EPA 300

Seq Number: 3134516

Parent Sample Id: 669779-006

Matrix: Soil

MS Sample Id: 669779-006 S

Prep Method: E300P

Date Prep: 08.13.2020

MSD Sample Id: 669779-006 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Chloride | <5.01 | 251 | 271 | 108 | 271 | 108 | 90-110 | 0 | 20 | mg/kg | 08.13.2020 11:44 | |

Analytical Method: Chloride by EPA 300

Seq Number: 3134516

Parent Sample Id: 669782-002

Matrix: Soil

MS Sample Id: 669782-002 S

Prep Method: E300P

Date Prep: 08.13.2020

MSD Sample Id: 669782-002 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Chloride | 581 | 2490 | 3310 | 110 | 3310 | 110 | 90-110 | 0 | 20 | mg/kg | 08.13.2020 13:12 | |

Analytical Method: TPH by SW8015 Mod

Seq Number: 3134554

MB Sample Id: 7709436-1-BLK

Matrix: Solid

LCS Sample Id: 7709436-1-BKS

Prep Method: SW8015P

Date Prep: 08.13.2020

LCSD Sample Id: 7709436-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------------------------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.0 | 1000 | 986 | 99 | 957 | 96 | 70-130 | 3 | 20 | mg/kg | 08.13.2020 21:46 | |
| Diesel Range Organics (DRO) | <50.0 | 1000 | 1030 | 103 | 1010 | 101 | 70-130 | 2 | 20 | mg/kg | 08.13.2020 21:46 | |

| Surrogate | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date |
|----------------|---------|---------|----------|----------|-----------|-----------|--------|-------|------------------|
| 1-Chlorooctane | 116 | | 115 | | 115 | | 70-130 | % | 08.13.2020 21:46 |
| o-Terphenyl | 115 | | 109 | | 112 | | 70-130 | % | 08.13.2020 21:46 |

Analytical Method: TPH by SW8015 Mod

Seq Number: 3134554

Matrix: Solid

MB Sample Id: 7709436-1-BLK

Prep Method: SW8015P

Date Prep: 08.13.2020

| Parameter | MB Result | Units | Analysis Date | Flag |
|------------------------------------|-----------|-------|------------------|------|
| Motor Oil Range Hydrocarbons (MRO) | <50.0 | mg/kg | 08.13.2020 21:24 | |

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * | (C - E) / (C + E) |$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Etech Environmental & Safety Solution, Inc

Wild Ride Federal #001H

Analytical Method: TPH by SW8015 Mod

Seq Number: 3134554

Parent Sample Id: 669700-002

Matrix: Soil

MS Sample Id: 669700-002 S

Prep Method: SW8015P

Date Prep: 08.13.2020

MSD Sample Id: 669700-002 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------------------------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.0 | 999 | 894 | 89 | 882 | 88 | 70-130 | 1 | 20 | mg/kg | 08.13.2020 22:50 | |
| Diesel Range Organics (DRO) | <50.0 | 999 | 898 | 90 | 881 | 88 | 70-130 | 2 | 20 | mg/kg | 08.13.2020 22:50 | |

| Surrogate | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date |
|----------------|---------|---------|----------|----------|--------|-------|------------------|
| 1-Chlorooctane | 109 | | 107 | | 70-130 | % | 08.13.2020 22:50 |
| o-Terphenyl | 109 | | 104 | | 70-130 | % | 08.13.2020 22:50 |

Analytical Method: BTEX by EPA 8021B

Seq Number: 3134669

MB Sample Id: 7709515-1-BLK

Matrix: Solid

LCS Sample Id: 7709515-1-BKS

Prep Method: SW5035A

Date Prep: 08.14.2020

LCSD Sample Id: 7709515-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|--------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Benzene | <0.00200 | 0.100 | 0.102 | 102 | 0.106 | 106 | 70-130 | 4 | 35 | mg/kg | 08.14.2020 08:04 | |
| Toluene | <0.00200 | 0.100 | 0.0960 | 96 | 0.100 | 100 | 70-130 | 4 | 35 | mg/kg | 08.14.2020 08:04 | |
| Ethylbenzene | <0.00200 | 0.100 | 0.0942 | 94 | 0.0984 | 98 | 70-130 | 4 | 35 | mg/kg | 08.14.2020 08:04 | |
| m,p-Xylenes | <0.00400 | 0.200 | 0.187 | 94 | 0.195 | 98 | 70-130 | 4 | 35 | mg/kg | 08.14.2020 08:04 | |
| o-Xylene | <0.00200 | 0.100 | 0.0939 | 94 | 0.0988 | 99 | 70-130 | 5 | 35 | mg/kg | 08.14.2020 08:04 | |

| Surrogate | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date |
|----------------------|---------|---------|----------|----------|-----------|-----------|--------|-------|------------------|
| 1,4-Difluorobenzene | 106 | | 100 | | 101 | | 70-130 | % | 08.14.2020 08:04 |
| 4-Bromofluorobenzene | 103 | | 103 | | 103 | | 70-130 | % | 08.14.2020 08:04 |

Analytical Method: BTEX by EPA 8021B

Seq Number: 3134669

Parent Sample Id: 669700-011

Matrix: Soil

MS Sample Id: 669700-011 S

Prep Method: SW5035A

Date Prep: 08.14.2020

MSD Sample Id: 669700-011 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|--------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Benzene | <0.00200 | 0.100 | 0.0930 | 93 | 0.0959 | 95 | 70-130 | 3 | 35 | mg/kg | 08.14.2020 08:44 | |
| Toluene | <0.00200 | 0.100 | 0.0865 | 87 | 0.0893 | 88 | 70-130 | 3 | 35 | mg/kg | 08.14.2020 08:44 | |
| Ethylbenzene | <0.00200 | 0.100 | 0.0838 | 84 | 0.0863 | 85 | 70-130 | 3 | 35 | mg/kg | 08.14.2020 08:44 | |
| m,p-Xylenes | <0.00400 | 0.200 | 0.165 | 83 | 0.170 | 84 | 70-130 | 3 | 35 | mg/kg | 08.14.2020 08:44 | |
| o-Xylene | <0.00200 | 0.100 | 0.0821 | 82 | 0.0848 | 84 | 70-130 | 3 | 35 | mg/kg | 08.14.2020 08:44 | |

| Surrogate | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date |
|----------------------|---------|---------|----------|----------|--------|-------|------------------|
| 1,4-Difluorobenzene | 102 | | 101 | | 70-130 | % | 08.14.2020 08:44 |
| 4-Bromofluorobenzene | 105 | | 102 | | 70-130 | % | 08.14.2020 08:44 |

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec

XXXX

Chain of Custody

Houston, TX (201) 240-4200, Dallas, TX (214) 902-0200, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, El Paso, TX (915) 565-3443, Lubbock, TX (806) 794-1266
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 980-3199, Phoenix, AZ (480) 355-0500
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 556-0747, Delray Beach, FL (561) 889-6707
Atlanta, GA (770) 449-8800

Work Order No.:

1009782

| | | | |
|--|--|---|--|
| Project Manager: Joel Lowry | | Bill to: (if different) | |
| Company Name: Etech Environmental & Safety | | Company Name: Dakota Steel | |
| Address: 3100 Plains Highway | | Address: Concho | |
| City, State ZIP: Lovington, NM, 88260 | | City, State ZIP: 7 | |
| Phone: 575-366-2378 | | Email: Email Results to PM@etechnv.com + Client | |
| Project Name: Wild Horse Federal #0011 | | Turn Around | |
| Project Number: 11245 | | Routine: <input checked="" type="checkbox"/> | |
| Project Location: Eddy County NM | | Rush: <input type="checkbox"/> | |
| Sampler's Name: Miguel Ramirez | | Due Date: | |
| PO #: | | | |

| SAMPLE RECEIPT | | | |
|------------------------------|---------------------------|-----------------|----------------|
| Temperature (°C): 00.0 | Temp Blank: Yes No | Wet Ice: Yes No | Thermometer ID |
| Received In tact: Yes No | Correction Factor: Yes No | | |
| Cooler Custody Seals: Yes No | Total Containers: Yes No | | |
| Sample Custody Seals: Yes No | | | |

| ANALYSIS REQUEST | | | |
|-----------------------|--------|--------------|--------------|
| Sample Identification | Matrix | Date Sampled | Time Sampled |
| 8.10 SP10 surface | Soil | 8.10.20 | - |
| 8.10 SP10 surface | Soil | 8.10.20 | - |
| 8.10 SP10 surface | Soil | 8.10.20 | - |
| 8.10 SP10 surface | Soil | 8.10.20 | - |

| Number of Containers/Preservative Code | | Chloride E300 | | BTX 8021 | | TPH Modified Ext | | TPH TX1005 | |
|--|---|---------------|---|----------|---|------------------|---|------------|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| ANALYSIS REQUEST | | PRESERVATIVE CODES | |
|------------------|-----------|--------------------|----------|
| HNO3: HN | H2SO4: H2 | HCL: HL | None: NO |
| NaOH: Na | MeOH: Me | Zn Acetate: Zn | NaOH: Zn |

| | |
|---|--|
| TAT starts the day received by the lab, it received by 4:30pm | |
| Sample Comments | |

| | |
|--|---|
| Total 200.7 / 6010 200.8 / 6020: | |
| Circle Method(s) and Metal(s) to be analyzed | BRCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na S Ti Sn U V Zn |
| TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U | |

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 \$75.00 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.

1631 / 245.1 / 7470 / 7471 - Hg

| | | |
|------------------------------|--------------------------|----------------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| <i>[Signature]</i> | <i>[Signature]</i> | 8-11-2013 2:27 |

| | | |
|------------------------------|--------------------------|----------------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| <i>[Signature]</i> | <i>[Signature]</i> | 8-11-2013 2:27 |

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 08.12.2020 11.20.00 AM

Work Order #: 669782

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR-8

| Sample Receipt Checklist | Comments |
|---|----------|
| #1 *Temperature of cooler(s)? | .2 |
| #2 *Shipping container in good condition? | Yes |
| #3 *Samples received on ice? | Yes |
| #4 *Custody Seals intact on shipping container/ cooler? | N/A |
| #5 Custody Seals intact on sample bottles? | N/A |
| #6 *Custody Seals Signed and dated? | N/A |
| #7 *Chain of Custody present? | Yes |
| #8 Any missing/extra samples? | No |
| #9 Chain of Custody signed when relinquished/ received? | Yes |
| #10 Chain of Custody agrees with sample labels/matrix? | Yes |
| #11 Container label(s) legible and intact? | Yes |
| #12 Samples in proper container/ bottle? | Yes |
| #13 Samples properly preserved? | Yes |
| #14 Sample container(s) intact? | Yes |
| #15 Sufficient sample amount for indicated test(s)? | Yes |
| #16 All samples received within hold time? | Yes |
| #17 Subcontract of sample(s)? | N/A |
| #18 Water VOC samples have zero headspace? | N/A |

BTEX was in bulk container

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:

PH Device/Lot#:

Checklist completed by:



Brianna Teel

Date: 08.12.2020

Checklist reviewed by:



Jessica Kramer

Date: 08.12.2020

Certificate of Analysis Summary 669786

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Wild Ride Federal #001H

Project Id: 11245
Contact: PM
Project Location: Eddy County, NM

Date Received in Lab: Wed 08.12.2020 11:20
Report Date: 08.17.2020 13:22
Project Manager: Jessica Kramer

| | | | | | | | |
|------------------------------------|-------------------|--------------------|------------------|----------|---------|--|--|
| Analysis Requested | Lab Id: | 669786-001 | 669786-002 | | | | |
| | Field Id: | 8.10 SP3 @ Surface | 8.10 SP3 @ 1' | | | | |
| | Depth: | | 1- ft | | | | |
| | Matrix: | SOIL | SOIL | | | | |
| | Sampled: | 08.10.2020 00:00 | 08.10.2020 00:00 | | | | |
| BTEX by EPA 8021B | Extracted: | 08.14.2020 08:00 | 08.14.2020 08:00 | | | | |
| | Analyzed: | 08.14.2020 14:54 | 08.14.2020 15:14 | | | | |
| | Units/RL: | mg/kg RL | mg/kg RL | | | | |
| | | | | | | | |
| Benzene | | <0.00199 | 0.00199 | <0.00199 | 0.00199 | | |
| Toluene | | 0.00529 | 0.00199 | 0.00479 | 0.00199 | | |
| Ethylbenzene | | <0.00199 | 0.00199 | <0.00199 | 0.00199 | | |
| m,p-Xylenes | | <0.00398 | 0.00398 | <0.00398 | 0.00398 | | |
| o-Xylene | | <0.00199 | 0.00199 | <0.00199 | 0.00199 | | |
| Total Xylenes | | <0.00199 | 0.00199 | <0.00199 | 0.00199 | | |
| Total BTEX | | 0.00529 | 0.00199 | 0.00479 | 0.00199 | | |
| Chloride by EPA 300 | Extracted: | 08.12.2020 16:40 | 08.12.2020 16:40 | | | | |
| | Analyzed: | 08.13.2020 08:35 | 08.13.2020 08:54 | | | | |
| | Units/RL: | mg/kg RL | mg/kg RL | | | | |
| | | | | | | | |
| Chloride | | 1450 | 50.5 | 14.0 | 4.99 | | |
| TPH by SW8015 Mod | Extracted: | 08.12.2020 17:00 | 08.12.2020 17:00 | | | | |
| | Analyzed: | 08.13.2020 05:34 | 08.13.2020 05:55 | | | | |
| | Units/RL: | mg/kg RL | mg/kg RL | | | | |
| | | | | | | | |
| Gasoline Range Hydrocarbons (GRO) | | <49.9 | 49.9 | <50.0 | 50.0 | | |
| Diesel Range Organics (DRO) | | <49.9 | 49.9 | <50.0 | 50.0 | | |
| Motor Oil Range Hydrocarbons (MRO) | | <49.9 | 49.9 | <50.0 | 50.0 | | |
| Total TPH | | <49.9 | 49.9 | <50.0 | 50.0 | | |

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Analytical Report 669786

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Wild Ride Federal #001H

11245

08.17.2020

Collected By: Client



**1211 W. Florida Ave
Midland TX 79701**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-37), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)



08.17.2020

Project Manager: **PM**

Etech Environmental & Safety Solution, Inc

P.O. Box 62228

Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **669786**

Wild Ride Federal #001H

Project Address: Eddy County, NM

PM :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 669786. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 669786 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

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

Jessica Kramer

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

**Sample Cross Reference 669786****Etech Environmental & Safety Solution, Inc, Midland, TX**

Wild Ride Federal #001H

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|--------------------|--------|------------------|--------------|---------------|
| 8.10 SP3 @ Surface | S | 08.10.2020 00:00 | | 669786-001 |
| 8.10 SP3 @ 1' | S | 08.10.2020 00:00 | 1 ft | 669786-002 |



CASE NARRATIVE

Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Wild Ride Federal #001H

Project ID: 11245
Work Order Number(s): 669786

Report Date: 08.17.2020
Date Received: 08.12.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results 669786

Etech Environmental & Safety Solution, Inc, Midland, TX

Wild Ride Federal #001H

Sample Id: **8.10 SP3 @ Surface**

Matrix: Soil

Date Received: 08.12.2020 11:20

Lab Sample Id: 669786-001

Date Collected: 08.10.2020 00:00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.12.2020 16:40

Basis: Wet Weight

Seq Number: 3134378

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 1450 | 50.5 | mg/kg | 08.13.2020 08:35 | | 10 |

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.12.2020 17:00

Basis: Wet Weight

Seq Number: 3134439

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <49.9 | 49.9 | mg/kg | 08.13.2020 05:34 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <49.9 | 49.9 | mg/kg | 08.13.2020 05:34 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <49.9 | 49.9 | mg/kg | 08.13.2020 05:34 | U | 1 |
| Total TPH | PHC635 | <49.9 | 49.9 | mg/kg | 08.13.2020 05:34 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3 | 124 | % | 70-130 | 08.13.2020 05:34 | |
| o-Terphenyl | 84-15-1 | 121 | % | 70-130 | 08.13.2020 05:34 | |



Certificate of Analytical Results 669786

Etech Environmental & Safety Solution, Inc, Midland, TX

Wild Ride Federal #001H

Sample Id: **8.10 SP3 @ Surface**

Matrix: Soil

Date Received: 08.12.2020 11:20

Lab Sample Id: 669786-001

Date Collected: 08.10.2020 00:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.14.2020 08:00

Basis: Wet Weight

Seq Number: 3134669

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene | 71-43-2 | <0.00199 | 0.00199 | mg/kg | 08.14.2020 14:54 | U | 1 |
| Toluene | 108-88-3 | 0.00529 | 0.00199 | mg/kg | 08.14.2020 14:54 | | 1 |
| Ethylbenzene | 100-41-4 | <0.00199 | 0.00199 | mg/kg | 08.14.2020 14:54 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00398 | 0.00398 | mg/kg | 08.14.2020 14:54 | U | 1 |
| o-Xylene | 95-47-6 | <0.00199 | 0.00199 | mg/kg | 08.14.2020 14:54 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00199 | 0.00199 | mg/kg | 08.14.2020 14:54 | U | 1 |
| Total BTEX | | 0.00529 | 0.00199 | mg/kg | 08.14.2020 14:54 | | 1 |
| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag | |
| 1,4-Difluorobenzene | 540-36-3 | 112 | % | 70-130 | 08.14.2020 14:54 | | |
| 4-Bromofluorobenzene | 460-00-4 | 99 | % | 70-130 | 08.14.2020 14:54 | | |



Certificate of Analytical Results 669786

Etech Environmental & Safety Solution, Inc, Midland, TX

Wild Ride Federal #001H

Sample Id: **8.10 SP3 @ 1'**

Matrix: Soil

Date Received: 08.12.2020 11:20

Lab Sample Id: 669786-002

Date Collected: 08.10.2020 00:00

Sample Depth: 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 08.12.2020 16:40

Basis: Wet Weight

Seq Number: 3134378

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-----------|------------|--------|------|-------|------------------|------|-----|
| Chloride | 16887-00-6 | 14.0 | 4.99 | mg/kg | 08.13.2020 08:54 | | 1 |

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 08.12.2020 17:00

Basis: Wet Weight

Seq Number: 3134439

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|------------------------------------|------------|--------|------|-------|------------------|------|-----|
| Gasoline Range Hydrocarbons (GRO) | PHC610 | <50.0 | 50.0 | mg/kg | 08.13.2020 05:55 | U | 1 |
| Diesel Range Organics (DRO) | C10C28DRO | <50.0 | 50.0 | mg/kg | 08.13.2020 05:55 | U | 1 |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835 | <50.0 | 50.0 | mg/kg | 08.13.2020 05:55 | U | 1 |
| Total TPH | PHC635 | <50.0 | 50.0 | mg/kg | 08.13.2020 05:55 | U | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------|------------|------------|-------|--------|------------------|------|
| 1-Chlorooctane | 111-85-3 | 114 | % | 70-130 | 08.13.2020 05:55 | |
| o-Terphenyl | 84-15-1 | 105 | % | 70-130 | 08.13.2020 05:55 | |



Certificate of Analytical Results 669786

Etech Environmental & Safety Solution, Inc, Midland, TX

Wild Ride Federal #001H

Sample Id: **8.10 SP3 @ 1'**

Matrix: Soil

Date Received: 08.12.2020 11:20

Lab Sample Id: 669786-002

Date Collected: 08.10.2020 00:00

Sample Depth: 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.14.2020 08:00

Basis: Wet Weight

Seq Number: 3134669

| Parameter | Cas Number | Result | RL | Units | Analysis Date | Flag | Dil |
|-------------------|-------------|----------------|---------|-------|------------------|------|-----|
| Benzene | 71-43-2 | <0.00199 | 0.00199 | mg/kg | 08.14.2020 15:14 | U | 1 |
| Toluene | 108-88-3 | 0.00479 | 0.00199 | mg/kg | 08.14.2020 15:14 | | 1 |
| Ethylbenzene | 100-41-4 | <0.00199 | 0.00199 | mg/kg | 08.14.2020 15:14 | U | 1 |
| m,p-Xylenes | 179601-23-1 | <0.00398 | 0.00398 | mg/kg | 08.14.2020 15:14 | U | 1 |
| o-Xylene | 95-47-6 | <0.00199 | 0.00199 | mg/kg | 08.14.2020 15:14 | U | 1 |
| Total Xylenes | 1330-20-7 | <0.00199 | 0.00199 | mg/kg | 08.14.2020 15:14 | U | 1 |
| Total BTEX | | 0.00479 | 0.00199 | mg/kg | 08.14.2020 15:14 | | 1 |

| Surrogate | Cas Number | % Recovery | Units | Limits | Analysis Date | Flag |
|----------------------|------------|------------|-------|--------|------------------|------|
| 4-Bromofluorobenzene | 460-00-4 | 114 | % | 70-130 | 08.14.2020 15:14 | |
| 1,4-Difluorobenzene | 540-36-3 | 115 | % | 70-130 | 08.14.2020 15:14 | |

Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



Etech Environmental & Safety Solution, Inc

Wild Ride Federal #001H

Analytical Method: Chloride by EPA 300

Seq Number: 3134378

MB Sample Id: 7709299-1-BLK

Matrix: Solid

LCS Sample Id: 7709299-1-BKS

Prep Method: E300P

Date Prep: 08.12.2020

LCSD Sample Id: 7709299-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Chloride | <5.00 | 250 | 273 | 109 | 274 | 110 | 90-110 | 0 | 20 | mg/kg | 08.12.2020 16:47 | |

Analytical Method: Chloride by EPA 300

Seq Number: 3134378

Parent Sample Id: 669777-001

Matrix: Soil

MS Sample Id: 669777-001 S

Prep Method: E300P

Date Prep: 08.12.2020

MSD Sample Id: 669777-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Chloride | <4.96 | 248 | 282 | 114 | 280 | 113 | 90-110 | 1 | 20 | mg/kg | 08.12.2020 17:06 | X |

Analytical Method: Chloride by EPA 300

Seq Number: 3134378

Parent Sample Id: 669808-001

Matrix: Soil

MS Sample Id: 669808-001 S

Prep Method: E300P

Date Prep: 08.12.2020

MSD Sample Id: 669808-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Chloride | 2230 | 1240 | 3590 | 110 | 3590 | 110 | 90-110 | 0 | 20 | mg/kg | 08.12.2020 18:35 | |

Analytical Method: TPH by SW8015 Mod

Seq Number: 3134439

MB Sample Id: 7709338-1-BLK

Matrix: Solid

LCS Sample Id: 7709338-1-BKS

Prep Method: SW8015P

Date Prep: 08.12.2020

LCSD Sample Id: 7709338-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------------------------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.0 | 1000 | 997 | 100 | 939 | 94 | 70-130 | 6 | 20 | mg/kg | 08.12.2020 22:03 | |
| Diesel Range Organics (DRO) | <50.0 | 1000 | 997 | 100 | 955 | 96 | 70-130 | 4 | 20 | mg/kg | 08.12.2020 22:03 | |

| Surrogate | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date |
|----------------|---------|---------|----------|----------|-----------|-----------|--------|-------|------------------|
| 1-Chlorooctane | 120 | | 127 | | 121 | | 70-130 | % | 08.12.2020 22:03 |
| o-Terphenyl | 116 | | 120 | | 115 | | 70-130 | % | 08.12.2020 22:03 |

Analytical Method: TPH by SW8015 Mod

Seq Number: 3134439

Matrix: Solid

MB Sample Id: 7709338-1-BLK

Prep Method: SW8015P

Date Prep: 08.12.2020

| Parameter | MB Result | Units | Analysis Date | Flag |
|------------------------------------|-----------|-------|------------------|------|
| Motor Oil Range Hydrocarbons (MRO) | <50.0 | mg/kg | 08.12.2020 21:42 | |

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * | (C - E) / (C + E) |$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Etech Environmental & Safety Solution, Inc

Wild Ride Federal #001H

Analytical Method: TPH by SW8015 Mod

Seq Number: 3134439

Parent Sample Id: 669772-001

Matrix: Soil

MS Sample Id: 669772-001 S

Prep Method: SW8015P

Date Prep: 08.12.2020

MSD Sample Id: 669772-001 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|-----------------------------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Gasoline Range Hydrocarbons (GRO) | <50.0 | 999 | 935 | 94 | 981 | 98 | 70-130 | 5 | 20 | mg/kg | 08.12.2020 23:08 | |
| Diesel Range Organics (DRO) | <50.0 | 999 | 941 | 94 | 978 | 98 | 70-130 | 4 | 20 | mg/kg | 08.12.2020 23:08 | |

| Surrogate | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date |
|----------------|---------|---------|----------|----------|--------|-------|------------------|
| 1-Chlorooctane | 114 | | 120 | | 70-130 | % | 08.12.2020 23:08 |
| o-Terphenyl | 106 | | 110 | | 70-130 | % | 08.12.2020 23:08 |

Analytical Method: BTEX by EPA 8021B

Seq Number: 3134669

MB Sample Id: 7709515-1-BLK

Matrix: Solid

LCS Sample Id: 7709515-1-BKS

Prep Method: SW5035A

Date Prep: 08.14.2020

LCSD Sample Id: 7709515-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|--------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|------------------|------|
| Benzene | <0.00200 | 0.100 | 0.102 | 102 | 0.106 | 106 | 70-130 | 4 | 35 | mg/kg | 08.14.2020 08:04 | |
| Toluene | <0.00200 | 0.100 | 0.0960 | 96 | 0.100 | 100 | 70-130 | 4 | 35 | mg/kg | 08.14.2020 08:04 | |
| Ethylbenzene | <0.00200 | 0.100 | 0.0942 | 94 | 0.0984 | 98 | 70-130 | 4 | 35 | mg/kg | 08.14.2020 08:04 | |
| m,p-Xylenes | <0.00400 | 0.200 | 0.187 | 94 | 0.195 | 98 | 70-130 | 4 | 35 | mg/kg | 08.14.2020 08:04 | |
| o-Xylene | <0.00200 | 0.100 | 0.0939 | 94 | 0.0988 | 99 | 70-130 | 5 | 35 | mg/kg | 08.14.2020 08:04 | |

| Surrogate | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date |
|----------------------|---------|---------|----------|----------|-----------|-----------|--------|-------|------------------|
| 1,4-Difluorobenzene | 106 | | 100 | | 101 | | 70-130 | % | 08.14.2020 08:04 |
| 4-Bromofluorobenzene | 103 | | 103 | | 103 | | 70-130 | % | 08.14.2020 08:04 |

Analytical Method: BTEX by EPA 8021B

Seq Number: 3134669

Parent Sample Id: 669700-011

Matrix: Soil

MS Sample Id: 669700-011 S

Prep Method: SW5035A

Date Prep: 08.14.2020

MSD Sample Id: 669700-011 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date | Flag |
|--------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|------------------|------|
| Benzene | <0.00200 | 0.100 | 0.0930 | 93 | 0.0959 | 95 | 70-130 | 3 | 35 | mg/kg | 08.14.2020 08:44 | |
| Toluene | <0.00200 | 0.100 | 0.0865 | 87 | 0.0893 | 88 | 70-130 | 3 | 35 | mg/kg | 08.14.2020 08:44 | |
| Ethylbenzene | <0.00200 | 0.100 | 0.0838 | 84 | 0.0863 | 85 | 70-130 | 3 | 35 | mg/kg | 08.14.2020 08:44 | |
| m,p-Xylenes | <0.00400 | 0.200 | 0.165 | 83 | 0.170 | 84 | 70-130 | 3 | 35 | mg/kg | 08.14.2020 08:44 | |
| o-Xylene | <0.00200 | 0.100 | 0.0821 | 82 | 0.0848 | 84 | 70-130 | 3 | 35 | mg/kg | 08.14.2020 08:44 | |

| Surrogate | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date |
|----------------------|---------|---------|----------|----------|--------|-------|------------------|
| 1,4-Difluorobenzene | 102 | | 101 | | 70-130 | % | 08.14.2020 08:44 |
| 4-Bromofluorobenzene | 105 | | 102 | | 70-130 | % | 08.14.2020 08:44 |

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec

XENCO**Chain of Custody**

Houston, TX (281) 240-4200, Dallas, TX (214) 502-0200, San Antonio, TX (210) 509-3334
 Midland, TX (432) 704-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 980-3199, Phoenix, AZ (480) 355-0900
 Tampa, FL (813) 620-2000, Tallahassee, FL (904) 756-0747, Delray Beach, FL (561) 689-6701
 Atlanta, GA (770) 449-8800

Work Order No:

4469784

| | | | |
|-------------------|------------------------------|-------------------------|---|
| Project Manager: | Joel Lowry | Bill to: (if different) | Dakota Neil |
| Company Name: | Elech Environmental & Safety | Company Name: | Concho |
| Address: | 3100 Plains Highway | Address: | |
| City, State ZIP: | Livingston, NM, 88260 | City, State ZIP: | |
| Phone: | 575-396-2378 | Email: | Email Results to PM@elecheny.com + Client |
| Project Name: | Wild Ride Rd/Al # 001H | Turn Around | |
| Project Number: | 11945 | Rush: | <input type="checkbox"/> |
| Project Location: | Edley County, NM | Due Date: | |
| Sample's Name: | Miguel River | | |

| | |
|-----------------------|---|
| SAMPLE RECEIPT | |
| Temperature (°C): | 6.0/6.2 |
| Received In tact: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| Cooler Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| Sample Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |

| | |
|--------------------|---|
| Temp Blank: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| Wet Ice: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| Thermometer ID | |
| Correction Factor: | |
| Total Containers: | |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth |
|-----------------------|--------|--------------|--------------|-------|
| 210 SP30 surface | Soil | 8-16-20 | | 1' |
| 210 SP30 1' | Soil | 8-16-20 | | 1' |

| Number of Containers/Preservative Code |
|--|
| Chloride E300 |
| BTEX 8021 |
| TPH Modified Ext |
| TPH TX1005 |

ANALYSIS REQUEST

| |
|---|
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> |
| State of Project: |
| Reporting Level: <input type="checkbox"/> Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> |
| Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: <input type="checkbox"/> |

| Preservative Codes |
|----------------------|
| HNO3: HN |
| H2SO4: H2 |
| HCL: HL |
| None: NO |
| NaOH: Na |
| MeOH: Me |
| Zn Acetate+ NaOH: Zn |

| |
|---|
| TAT starts the day received by the lab, if received by 4:30pm |
| Sample Comments |

Total 200.7 / 6010 200.8 / 6020:

Circle Method(s) and Metal(s) to be analyzed

8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn

TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U

1631 / 245.1 / 7470 / 7471 : Hg

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

| |
|--|
| 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn |
| TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U |
| 1631 / 245.1 / 7470 / 7471 : Hg |

Revised: Dec 10 13 19 10 2019.1

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 08.12.2020 11.20.00 AM

Work Order #: 669786

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR-8

| Sample Receipt Checklist | Comments |
|---|----------|
| #1 *Temperature of cooler(s)? | .2 |
| #2 *Shipping container in good condition? | Yes |
| #3 *Samples received on ice? | Yes |
| #4 *Custody Seals intact on shipping container/ cooler? | N/A |
| #5 Custody Seals intact on sample bottles? | N/A |
| #6 *Custody Seals Signed and dated? | N/A |
| #7 *Chain of Custody present? | Yes |
| #8 Any missing/extra samples? | No |
| #9 Chain of Custody signed when relinquished/ received? | Yes |
| #10 Chain of Custody agrees with sample labels/matrix? | Yes |
| #11 Container label(s) legible and intact? | Yes |
| #12 Samples in proper container/ bottle? | Yes |
| #13 Samples properly preserved? | Yes |
| #14 Sample container(s) intact? | Yes |
| #15 Sufficient sample amount for indicated test(s)? | Yes |
| #16 All samples received within hold time? | Yes |
| #17 Subcontract of sample(s)? | N/A |
| #18 Water VOC samples have zero headspace? | N/A |

BTEX was in bulk container

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:

PH Device/Lot#:

Checklist completed by:



Brianna Teel

Date: 08.12.2020

Checklist reviewed by:



Jessica Kramer

Date: 08.12.2020

Appendix D

Photographic Log

Photographic Log



Photographic Log

