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	NRM2023345085
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Centennial Resource Production, Inc	OGRID: 372165
Contact Name: Jamon Hohensee	Contact Telephone: 432-243-4283
Contact email: jamon.hohensee@cdevinc.com	Incident # *(assigned by OCD)*
Contact mailing address: 500 W. Illinois Ave, Suite 500, Midland Texas 79705	

Location of Release Source

Latitude 32.20919 Longitude -103.46423
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Romeo Fed Com 1H	Site Type: Oil and Gas production facility
Date Release Discovered: 8/8/20	API# *3002542999*

Unit Letter	Section	Township	Range	County
D	22	24S	34E	Lea

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

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) 6.42	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
Separator was swamped out due to kimray oil dump being stuck in the closed position. Oil filled up sales line scrubber pot then was sent to the flare. Impacted area was 400'x90' with a depth of 1/8". Assuming 100% saturation in that soil approx. 6.42bbls were released. The site was secured and the impacted material will be cleaned to state standards.

State of New Mexico
Oil Conservation Division

Incident ID	NRM2023345085
District RP	
Facility ID	
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? The fluids caught fire leaving the flare.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? An email notification was sent to Jim Griswold and OCD Dist 1 on 8/9/20.	

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: Jamon Hohensee Title: Sr. Environmental Analyst

Signature: Jamon Hohensee Date: 8/19/20

email: jamon.hohensee@cdevinc.com Telephone: 432-241-4283

OCD Only

Received by: Ramona Marcus Date: 8/20/2020

State of New Mexico
Oil Conservation Division

Incident ID	
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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?	63 (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.

State of New Mexico
Oil Conservation Division

Incident ID	
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: Jamon Hohensee Title: Sr. Environmental Analyst

Signature: Jam H Date: 3-15-21

email: jamon.hohensee@cdevinc.com Telephone: 432 241 4283

OCD Only

Received by: _____ Date: _____

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State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
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Application ID	

Remediation Plan

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

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(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: Jamon Hohensee Title: Sr Environmental Analyst

Signature: Ja H. Date: 3-15-21

email: jamon.hohensee@cdevinc.com Telephone: 432-241-4283

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

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State of New Mexico
Oil Conservation Division

Incident ID	NRM2023345085
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Jamon Hohensee Title: Sr. Environmental Analyst

Signature: [signature] Date: 3-15-21

email: jamon.hohensee@cdevinc.com Telephone: 432-241-4283

OCD Only

Received by: Cristina Eads Date: 03/15/2021

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: [signature] Date: 06/30/2021

Printed Name: Cristina Eads Title: Environmental Specialist

CLOSURE REQUEST AND REMEDIATION SUMMARY REPORT

Centennial Resource Development, Inc.
Romeo Fed COM 1H
Lea County, New Mexico
Unit Letter "D", Section 22, Township 24 South, Range 34 East
Latitude 32.20919º North, Longitude 103.46423º West
NMOCD Reference # NRM2023345085

Prepared For:

Centennial Resource Development, Inc.
500 W. Illinois Avenue Suite 500
Midland, TX 79701

Prepared By:

Etech Environmental & Safety Solutions, Inc.
P.O. Box 62228
Midland, Texas 79711

February 2021

Shannon English, P.G.
Project Manager

Matthew Green, P.G.
Senior Project Manager

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APPENDICES

INTRODUCTION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Centennial Resource Development, Inc. (Centennial), has prepared this Closure Request and Remediation Summary Report for the Release Site known as Romeo Fed COM 1H. The legal description of the Release Site is Unit Letter "D", Section 22, Township 24 South, Range 34 East, in Lea County, New Mexico. The subject property is administered by the New Mexico U.S. Department of the Interior Bureau of Land Management (BLM). The Release Site GPS coordinates are 32.20919º North and 103.46423º West. Please reference Figure 1 for the Site Location Map and Figure 2 for the Confirmation Soil Sample Location Map.

On August 8, 2020, the Kimray oil dump valve was stuck in the closed position forcing oil out of the flare, resulting in the release. Approximately six (6) barrels of crude oil was released with zero (0) barrels of crude oil recovered, resulting in a net loss of approximately six (6) barrels of crude oil. The majority of the release was overspray into the adjacent rangeland. On August 19, 2020, Centennial filed a *Release Notification and Corrective Action Form* (Form C-141) with the New Mexico Oil Conservation Division (NMOCD) and the Department of the Interior Bureau of Land Management (BLM) documenting the release. The Form C-141 is provided as Appendix C. Photographic documentation for the site are provided as Appendix A.

NMOCD SITE CLASSIFICATION

A search of the groundwater database maintained by United States Geological Survey (USGS) did not identify any registered water wells within a quarter (1/4) mile of the Romeo Fed COM 1H Release Site. A further search of the USGS database identified the closest registered water well is USGS Well #: 321328103270601 located approximately one and a quarter (1.25) miles northeast of the Release Site. The average depth to groundwater for USGS Well #: 321328103270601 should be encountered at approximately sixty-three (63) feet below ground surface (bgs). Based on the NMOCD site classification system, ten (10) points will be assigned to the subject area ranking as a result of this criterion. No water wells were observed within one thousand (1,000) feet of the Release Site. Based on the NMOCD site classification system, zero (0) points will be assigned to the subject area ranking as a result of this criterion. No surface water was observed within one thousand (1,000) feet of the release. Based on the NMOCD site classification system, ten (10) points will be assigned to the Romeo Fed COM 1H Release Site as a result of this criterion. Based on this score, the soil remediation levels for a site with a ranking score of ten (10) points are as follows:

- Benzene – 10 mg/Kg (ppm)
- BTEX – 50 mg/Kg (ppm)
- TPH – 100 mg/Kg (ppm)
- Chloride – 600 mg/Kg (ppm)

SUMMARY OF SOIL REMEDIATION ACTIVITIES

On August 17, 2020 prior to excavation activities a pressure washer was utilized to address the hydrocarbon staining on production equipment.

From August 31st through September 2nd, 2020, Etech commenced excavation activities at the Release Site utilizing a backhoe and manual means. Excavated soil was stockpiled on site and remediated utilizing blending and aerating techniques with surrounding clean soil. Excavation activities were conducted in a manner that protected the integrity of the production equipment. Etech hand spotted around all surface equipment and excavated by hand all impacted material within two (2) feet of any production equipment. On September 4, 2020, seven (7) composite bottom hole soil samples (BH-1 @ 6" through BH-7 @ 6") were collected from the base of the excavated area and six (6) composite horizontal confirmation soil samples (NSW-1 @ 6", SSW-1 @ 6", ESW-1 @ 6", ESW-2 @ 6", WSW-1 @ 6", and WSW-2 @ 6") from the sidewalls of the excavated area. Additionally, two (2) composite confirmation soil sample (Stockpile 1 and Stockpile 2) were collected from the remediated stockpiled soil. Soil samples were submitted to Eurofins in Midland, Texas and analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX) using EPA Method SW 846-8021B, Total Petroleum Hydrocarbons (TPH) using EPA Method SW 846-8015M, and chloride using EPA Method E 300.0. A review of laboratory analytical results indicated additional remediation activities were necessary due to elevated TPH concentrations above NMOCD limits in composite bottom hole soil samples BH-1 @ 6", BH-2 @ 6", BH-3 @ 6", BH-4 @ 6", in composite sidewall soil samples SSW-1 @ 6", WSW-1 @ 6", and in composite soil samples Stockpile 1 and Stockpile 2. Additionally, BH-2 @ 6" and Stockpile 1 exhibited chloride concentrations above NMOCD limits. Please reference Figure 2 for site details and soil sampling locations.

On October 14, 2020, following the additional excavation activities, four (4) additional composite bottom hole soil samples (BH-1 @ 1', BH-2 @ 1', BH-3 @ 1', and BH-4 @ 1'), two (2) additional composite sidewall soil samples (SSW @ 6" and WSW-1 @ 6") were collected from the excavated area, and three (3) additional composite stockpile samples (Stockpile 1A, Stockpile 2A, and Stockpile-3) were collected from the remediated stockpiles. Soil samples were submitted to Eurofins and analyzed for BTEX, TPH, and chloride concentrations. A review of laboratory analytical results indicated all collected soil samples were below applicable NMOCD limits and/or laboratory method detection limits with the exception of composite stockpile samples Stockpile 1A and Stockpile 2A which exhibited TPH concentrations above NMOCD limits. Please reference Figure 2 for site details and soil sampling locations.

Based on laboratory analytical data, the excavated material represented by Stockpile 1 and Stockpile 2 required disposal at a NMOCD permitted facility.

Table 1 summarizes the Concentrations of Benzene, BTEX, TPH, and Chlorides in Soil. Analytical reports are provided as Appendix B.

SOIL DISPOSAL AND BACKFILL ACTIVITIES

On November 16th-20th, 2020, Etech transported approximately 504 cubic yards of impacted stockpiled soil to the Sundance Services, Inc. Parabo Facility (NMOCD Permit #: NM-01-0003) located on Highway 18 near Eunice, New Mexico for disposal.

On November 16th-20th and 23rd, 2020, the excavated area was backfilled with the material represented by Stockpile-3 and non-impacted like soil from a local source, and the site was contoured to fit the surrounding area.

SITE CLOSURE REQUEST

Based on the analytical results of confirmation soil samples collected from the excavation, impacted soils were brought to surface and confirmation soil samples below applicable NMOCD regulatory limits. Etech, on behalf of Centennial, respectfully request that the NMOCD District 1 Office grant site closure to the Romeo Fed COM 1H Release Site (NMOCD Incident ID#: NRM2023345085).

LIMITATIONS

Etech has prepared this Closure Request and Remediation Summary Report to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. Etech has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech also 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 Centennial Resource Development, Inc. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Etech and/or Centennial Resource Development, Inc.

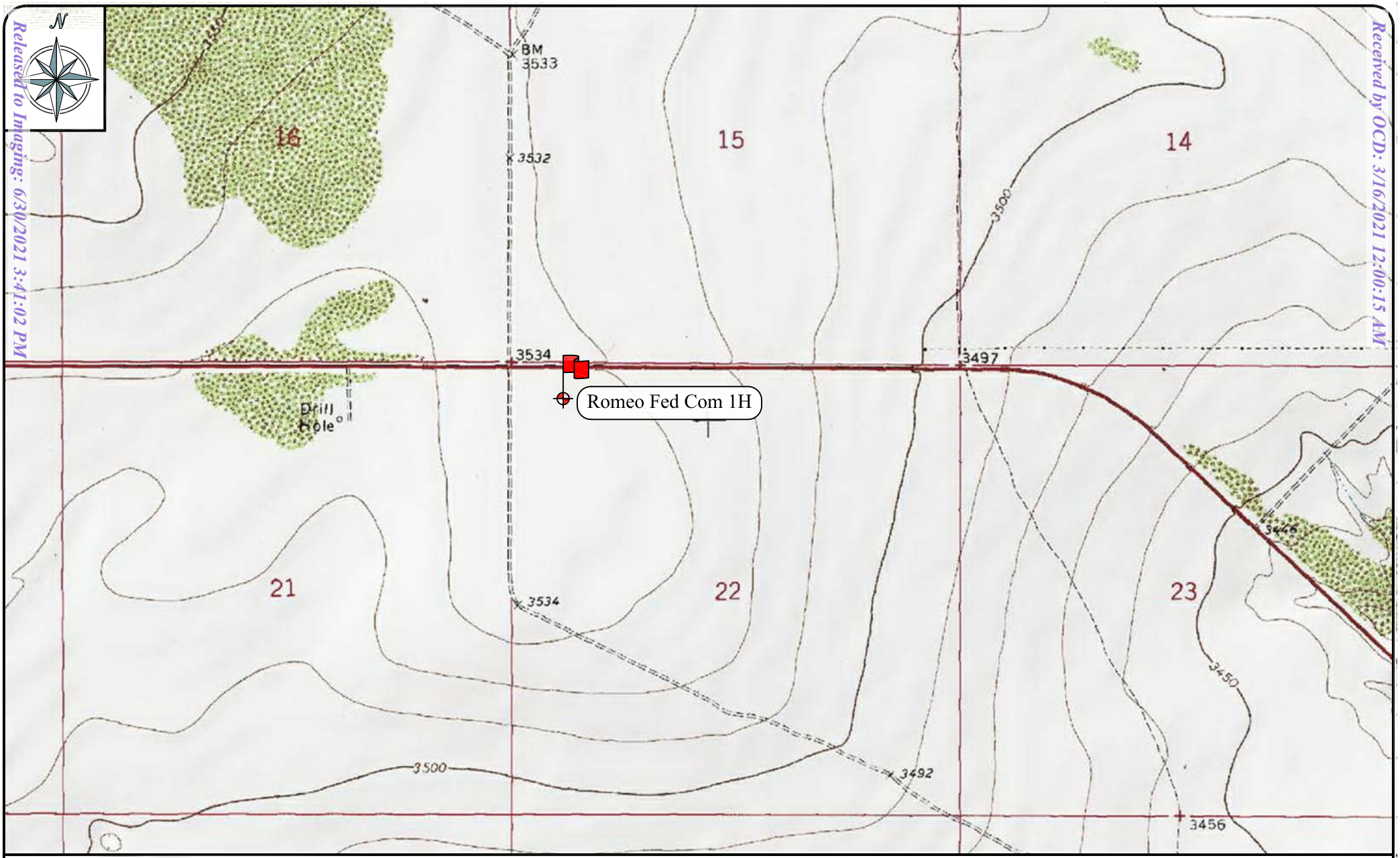
DISTRIBUTION

Copy 1: New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
1624 N. French Drive
Hobbs, New Mexico 88210

Copy 2: Jamon Hohensee
Centennial Resource Development, Inc.
500 W. Illinois Avenue Suite 500
Midland, TX 79701

Copy 3: U.S. Department of the Interior
Bureau of Land Management
2909 West Second Street
Roswell, NM 88201-2019

Copy 4: Etech Environmental & Safety Solutions, Inc.
P.O. Box 62228
Midland, TX 79711



Site - Romeo Fed Com 1H
Site Location Map
Centeninal Resource Development, Inc.
Lea County, NM
N 32.20919°, W 103.46423°
August 13, 2020

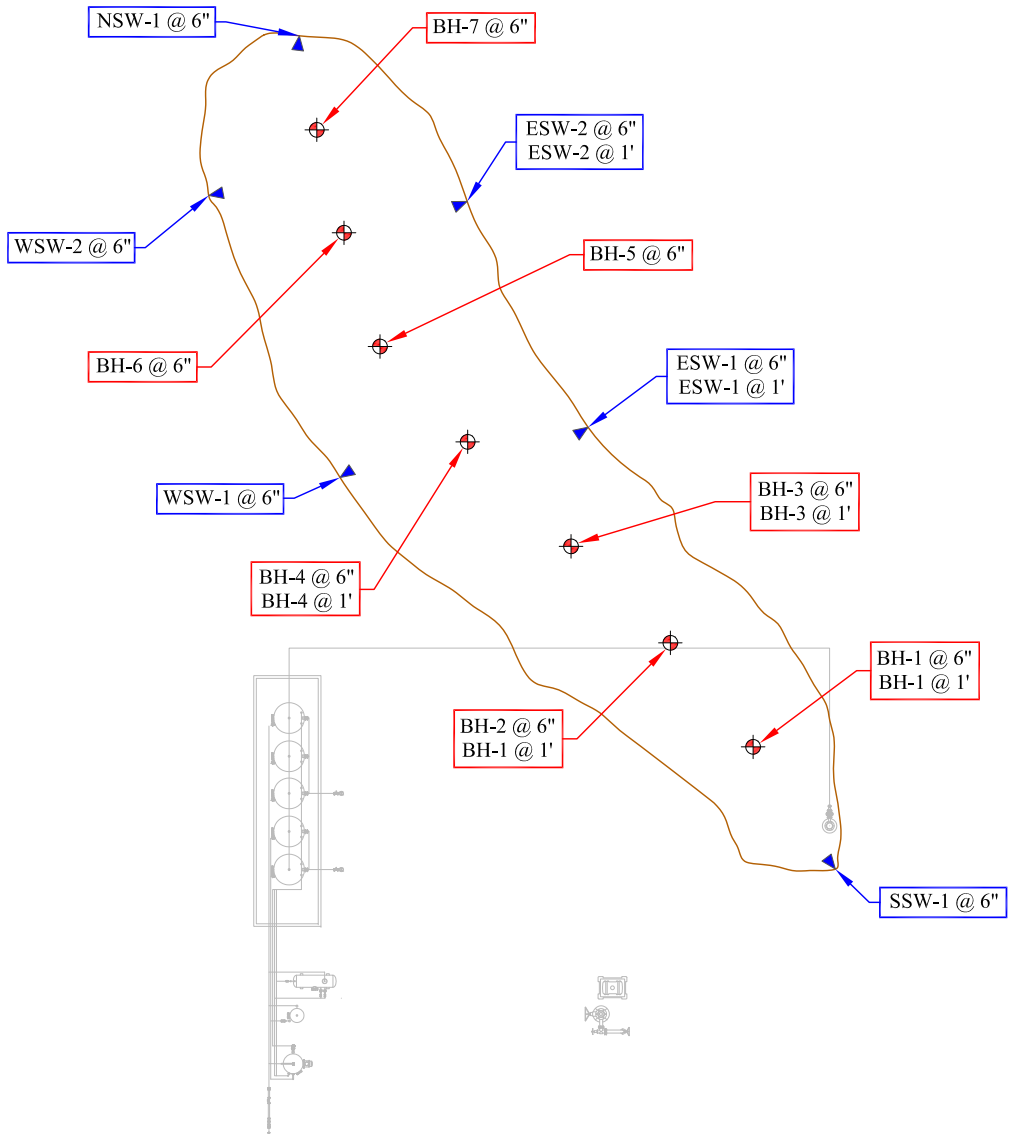
Legend

= Site Location

eTECH Environmental & Safety Solutions, Inc.

Job No.: 1226-12895

Figure 1



Site - Romeo Fed Com 1H
Site Details and Confirmation Sample Map
Centeninal Resource Development, Inc.
Lea County, NM
N 32.20919°, W 103.46423°
August 13, 2020

Legend

= Bottom Hole Sampling Point

= Side Wall Sampling Point

Excavation Perimeter

0 100 200
Feet

eTECH Environmental & Safety Solutions, Inc.

Job No.: 1226-12895

Figure 2

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

CENTENNIAL RESOURCE DEVELOPMENT, INC.

ROMEO FED COM 1H RELEASE SITE

LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/Kg

SAMPLE LOCATION	SAMPLE DATE	METHODS: SW 846-8021B						METHOD: SW 8015M					E 300.0
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C_6-C_{12}	TPH DRO C_{12}-C_{28}	TPH ORO C_{28}-C_{35}	TOTAL TPH C_6-C_{35}	CHLORIDE
Limits		10 mg/Kg						50 mg/Kg				100 mg/Kg	600 mg/Kg
Bottom Hole Sample Results													
BH-1 @ 6"	9/4/2020	<0.00202	<0.00202	<0.00202	<0.00404	<0.00202	<0.00404	<0.00404	<50.0	574	76.6	**650.6**	393
BH-1 @ 1'	10/14/2020	-	-	-	-	-	-	-	<50.0	<50.0	<50.0	<50.0	-
BH-2 @ 6"	9/4/2020	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	<50.0	512	57.6	**569.6**	**1,100**
BH-2 @ 1'	10/14/2020	-	-	-	-	-	-	-	<50.0	<50.0	<50.0	<50.0	7.88
BH-3 @ 6"	9/4/2020	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.9	410	58.6	**468.6**	492
BH-3 @ 1'	10/14/2020	-	-	-	-	-	-	-	<50.0	<50.0	<50.0	<50.0	-
BH-4 @ 6"	9/4/2020	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.9	110	<49.9	**110**	158
BH-4 @ 1'	10/14/2020	-	-	-	-	-	-	-	<49.9	<49.9	<49.9	<49.9	-
BH-5 @ 6"	9/4/2020	<0.00202	<0.00202	<0.00202	<0.00403	<0.00202	<0.00403	<0.00403	<49.8	<49.8	<49.8	<49.8	79.5
BH-6 @ 6"	9/4/2020	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	<0.00401	<0.00401	<50.0	84.4	<50.0	84.4	91.3
BH-7 @ 6"	9/4/2020	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	33.4
Sidewall Sample Results													
NSW-1 @ 6"	9/4/2020	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	11.5
SSW-1 @ 6"	9/4/2020	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	<49.9	7,800	294	**8,094**	62.6
SSW-1 @ 6"	10/14/2020	-	-	-	-	-	-	-	<49.8	<49.8	<49.8	<49.8	-
ESW-1 @ 6"	9/4/2020	<0.00198	<0.00198	<0.00198	<0.00396	<0.00198	<0.00396	<0.00396	<49.8	<49.8	<49.8	<49.8	41.5
ESW-2 @ 6"	9/4/2020	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	11.4
WSW-1 @ 6"	9/4/2020	<0.00202	<0.00202	<0.00202	<0.00404	<0.00202	<0.00404	<0.00404	<50.0	103	<50.0	**103**	54.6
WSW-1 @ 6"	10/14/2020	-	-	-	-	-	-	-	<50.0	<50.0	<50.0	<50.0	-
WSW-2 @ 6"	9/4/2020	<0.00202	<0.00202	<0.00202	<0.00404	<0.00202	<0.00404	<0.00404	<49.9	62.4	<49.9	62.4	35.4
Stockpile Sample Results													
Stockpile 1	9/4/2020	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<50.0	2,110	283	**2,393**	**902**
Stockpile-1A	10/14/2020	-	-	-	-	-	-	-	<49.9	431	<49.9	**431**	368

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

CENTENNIAL RESOURCE DEVELOPMENT, INC.

ROMEO FED COM 1H RELEASE SITE

LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/Kg

SAMPLE LOCATION	SAMPLE DATE	METHODS: SW 846-8021B						METHOD: SW 8015M					E 300.0
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C_6-C_{12}	TPH DRO C_{12}-C_{28}	TPH ORO C_{28}-C_{35}	TOTAL TPH C_6-C_{35}	CHLORIDE
Limits		10 mg/Kg						50 mg/Kg				100 mg/Kg	600 mg/Kg
Stockpile 2	9/4/2020	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<50.0	152	<50.0	**152**	128
Stockpile-2A	10/14/2020	-	-	-	-	-	-	-	<49.9	158	<49.9	**158**	-
Stockpile-3	10/14/2020	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	<0.00401	<0.00401	<49.9	<49.9	<49.9	<49.9	82.8

Bold ande Yellow Highlighted indicates Analyte Above NMOCD Regulatory Limit

Project Name: *Romeo Fed COM 1H*
Project No: *12895*

Photographic Documentation

Photo No: **1.**	
Direction Taken: Northwest	
Description: View of the release area.	

Photo No: **2.**	
Direction Taken: East	
Description: View of the release area.	

Project Name: *Romeo Fed COM 1H*
Project No: *12895*

Photographic Documentation

Photo No: **3.**	
Direction Taken: Northwest	
Description: View of the release area.	

Photo No: **4.**	
Direction Taken: Northeast	
Description: View of the release area.	

Project Name: *Romeo Fed COM 1H*
Project No: *12895*

Photographic Documentation

Photo No: **5.**	
Direction Taken: East	
Description: View of the excavated area.	

Photo No: **6.**	
Direction Taken: West	
Description: View of the excavated area.	

Project Name: *Romeo Fed COM 1H* ***Photographic Documentation***
Project No: *12895*

Photo No: **7.**	
Direction Taken: Northeast	
Description: View of the excavated area.	

Photo No: **8.**	
Direction Taken: North	
Description: View of the excavated area.	

Project Name: *Romeo Fed COM 1H*
Project No: *12895*

Photographic Documentation

Photo No: **9.**	
Direction Taken: North	
Description: View of the backfilled area.	

Photo No: **10.**	
Direction Taken: East	
Description: View of the backfilled area.	

Project Name: *Romeo Fed COM 1H*
Project No: *12895*

Photographic Documentation

Photo No: **11.**	
Direction Taken: Southwest	
Description: View of the backfilled area.	

Photo No: **12.**	
Direction Taken: East	
Description: View of the backfilled area.	

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Certificate of Analysis Summary 672115

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Romeo Fed COM 1H

Project Id: 12895
Contact: Matthew Green
Project Location: Lea County, New Mexico

Date Received in Lab: Wed 09.09.2020 12:30
Report Date: 09.14.2020 12:40
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	672115-001		672115-002		672115-003		672115-004		672115-005		672115-006	
	Field Id:	BH-1		BH-2		BH-3		BH-4		BH-5		BH-6	
	Depth:	6- In		6- In		6- In		6- In		6- In		6- In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	09.04.2020 08:30		09.04.2020 08:40		09.04.2020 08:45		09.04.2020 08:51		09.04.2020 09:00		09.04.2020 09:05	
BTEX by EPA 8021B	***Extracted:***	09.09.2020 17:00		09.09.2020 15:00		09.09.2020 15:00		09.09.2020 15:00		09.09.2020 15:00		09.09.2020 15:00	
	Analyzed:	09.10.2020 03:30		09.09.2020 15:38		09.09.2020 15:58		09.09.2020 17:21		09.09.2020 17:42		09.09.2020 18:02	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		ND	0.00202	ND	0.00200	ND	0.00199	ND	0.00199	ND	0.00202	ND	0.00200
Toluene		ND	0.00202	ND	0.00200	ND	0.00199	ND	0.00199	ND	0.00202	ND	0.00200
Ethylbenzene		ND	0.00202	ND	0.00200	ND	0.00199	ND	0.00199	ND	0.00202	ND	0.00200
m,p-Xylenes		ND	0.00404	ND	0.00400	ND	0.00398	ND	0.00398	ND	0.00403	ND	0.00401
o-Xylene		ND	0.00202	ND	0.00200	ND	0.00199	ND	0.00199	ND	0.00202	ND	0.00200
Total Xylenes		ND	0.00202	ND	0.00200	ND	0.00199	ND	0.00199	ND	0.00202	ND	0.00200
Total BTEX		ND	0.00202	ND	0.00200	ND	0.00199	ND	0.00199	ND	0.00202	ND	0.00200
Chloride by EPA 300	***Extracted:***	09.10.2020 14:45		09.10.2020 14:45		09.10.2020 14:45		09.10.2020 14:45		09.10.2020 14:45		09.10.2020 14:45	
	Analyzed:	09.10.2020 16:54		09.10.2020 17:13		09.10.2020 17:20		09.10.2020 17:26		09.10.2020 17:33		09.10.2020 17:52	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		393	5.03	1100	4.98	492	5.02	158	5.00	79.5	4.96	91.3	5.04
TPH by SW8015 Mod	***Extracted:***	09.09.2020 15:00		09.09.2020 15:00		09.09.2020 15:00		09.09.2020 15:00		09.09.2020 15:00		09.09.2020 15:00	
	Analyzed:	09.10.2020 03:56		09.10.2020 05:02		09.10.2020 05:24		09.10.2020 05:46		09.10.2020 06:08		09.10.2020 06:30	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		ND	50.0	ND	50.0	ND	49.9	ND	49.9	ND	49.8	ND	50.0
Diesel Range Organics (DRO)		574	50.0	512	50.0	410	49.9	110	49.9	ND	49.8	84.4	50.0
Motor Oil Range Hydrocarbons (MRO)		76.6	50.0	57.6	50.0	58.6	49.9	ND	49.9	ND	49.8	ND	50.0
Total TPH		651	50.0	570	50.0	469	49.9	110	49.9	ND	49.8	84.4	50.0

BRL - Below Reporting Limit

Jessica Kramer

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

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Certificate of Analysis Summary 672115

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Romeo Fed COM 1H

Project Id: 12895
Contact: Matthew Green
Project Location: Lea County, New Mexico

Date Received in Lab: Wed 09.09.2020 12:30
Report Date: 09.14.2020 12:40
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	672115-007		672115-008		672115-009		672115-010		672115-011		672115-012	
	Field Id:	BH-7		NSW-1		SSW-1		ESW-1		ESW-2		WSW-1	
	Depth:	6- In		6- In		6- In		6- In		6- In		6- In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	09.04.2020 09:04		09.04.2020 08:05		09.04.2020 08:10		09.04.2020 08:15		09.04.2020 08:20		09.04.2020 08:22	
BTEX by EPA 8021B	***Extracted:***	09.09.2020 15:00		09.09.2020 15:00		09.09.2020 15:00		09.09.2020 15:00		09.09.2020 15:00		09.10.2020 17:00	
	Analyzed:	09.09.2020 18:23		09.09.2020 18:43		09.09.2020 19:03		09.09.2020 19:24		09.09.2020 19:44		09.11.2020 17:17	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		ND	0.00199	ND	0.00200	ND	0.00200	ND	0.00198	ND	0.00199	ND	0.00202
Toluene		ND	0.00199	ND	0.00200	ND	0.00200	ND	0.00198	ND	0.00199	ND	0.00202
Ethylbenzene		ND	0.00199	ND	0.00200	ND	0.00200	ND	0.00198	ND	0.00199	ND	0.00202
m,p-Xylenes		ND	0.00398	ND	0.00399	ND	0.00400	ND	0.00396	ND	0.00398	ND	0.00404
o-Xylene		ND	0.00199	ND	0.00200	ND	0.00200	ND	0.00198	ND	0.00199	ND	0.00202
Total Xylenes		ND	0.00199	ND	0.00200	ND	0.00200	ND	0.00198	ND	0.00199	ND	0.00202
Total BTEX		ND	0.00199	ND	0.00200	ND	0.00200	ND	0.00198	ND	0.00199	ND	0.00202
Chloride by EPA 300	***Extracted:***	09.10.2020 14:45		09.10.2020 14:45		09.10.2020 14:45		09.10.2020 14:45		09.10.2020 14:45		09.10.2020 14:45	
	Analyzed:	09.10.2020 17:58		09.10.2020 18:04		09.10.2020 18:11		09.10.2020 18:17		09.10.2020 18:23		09.10.2020 18:42	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		33.4	4.95	11.5	5.01	62.6	4.97	41.5	4.99	11.4	4.98	54.6	4.96
TPH by SW8015 Mod	***Extracted:***	09.09.2020 15:00		09.09.2020 15:00		09.09.2020 15:00		09.09.2020 15:00		09.09.2020 15:00		09.09.2020 15:00	
	Analyzed:	09.10.2020 06:52		09.10.2020 09:15		09.10.2020 09:37		09.10.2020 09:59		09.10.2020 10:20		09.10.2020 10:42	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		ND	49.9	ND	50.0	ND	49.9	ND	49.8	ND	50.0	ND	50.0
Diesel Range Organics (DRO)		ND	49.9	ND	50.0	7800	49.9	ND	49.8	ND	50.0	103	50.0
Motor Oil Range Hydrocarbons (MRO)		ND	49.9	ND	50.0	294	49.9	ND	49.8	ND	50.0	ND	50.0
Total TPH		ND	49.9	ND	50.0	8090	49.9	ND	49.8	ND	50.0	103	50.0

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 672115

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Romeo Fed COM 1H

Project Id: 12895
Contact: Matthew Green
Project Location: Lea County, New Mexico

Date Received in Lab: Wed 09.09.2020 12:30
Report Date: 09.14.2020 12:40
Project Manager: Jessica Kramer

Analysis Requested											
	Lab Id:	672115-013		672115-014		672115-015					
	Field Id:	WSW-2		Stockpile 1		Stockpile 2					
	Depth:	6- In									
	Matrix:	SOIL		SOIL		SOIL					
	Sampled:	09.04.2020 08:25		09.04.2020 09:15		09.04.2020 09:20					
BTEX by EPA 8021B	***Extracted:***	09.10.2020 17:00		09.09.2020 15:00		09.09.2020 15:00					
	Analyzed:	09.11.2020 17:37		09.09.2020 15:15		09.09.2020 15:35					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		ND	0.00202	ND	0.00199	ND	0.00200				
Toluene		ND	0.00202	ND	0.00199	ND	0.00200				
Ethylbenzene		ND	0.00202	ND	0.00199	ND	0.00200				
m,p-Xylenes		ND	0.00404	ND	0.00398	ND	0.00399				
o-Xylene		ND	0.00202	ND	0.00199	ND	0.00200				
Total Xylenes		ND	0.00202	ND	0.00199	ND	0.00200				
Total BTEX		ND	0.00202	ND	0.00199	ND	0.00200				
Chloride by EPA 300	***Extracted:***	09.10.2020 14:45		09.10.2020 14:45		09.10.2020 14:45					
	Analyzed:	09.10.2020 18:49		09.10.2020 19:08		09.10.2020 19:14					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		35.4	5.00	902	5.00	128	5.05				
TPH by SW8015 Mod	***Extracted:***	09.09.2020 15:00		09.09.2020 15:00		09.09.2020 15:00					
	Analyzed:	09.10.2020 11:04		09.10.2020 11:25		09.10.2020 11:47					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		ND	49.9	ND	50.0	ND	50.0				
Diesel Range Organics (DRO)		62.4	49.9	2110	50.0	152	50.0				
Motor Oil Range Hydrocarbons (MRO)		ND	49.9	283	50.0	ND	50.0				
Total TPH		62.4	49.9	2390	50.0	152	50.0				

BRL - Below Reporting Limit

Jessica Kramer

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Analytical Report 672115

for

Etech Environmental & Safety Solution, Inc

Project Manager: Matthew Green

Romeo Fed COM 1H

12895

09.14.2020

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), 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)

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09.14.2020

Project Manager: **Matthew Green**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **672115**
Romeo Fed COM 1H
Project Address: Lea County, New Mexico

Matthew Green:

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) 672115. 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. 672115 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,

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

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Sample Cross Reference 672115

Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
BH-1	S	09.04.2020 08:30	6 In	672115-001
BH-2	S	09.04.2020 08:40	6 In	672115-002
BH-3	S	09.04.2020 08:45	6 In	672115-003
BH-4	S	09.04.2020 08:51	6 In	672115-004
BH-5	S	09.04.2020 09:00	6 In	672115-005
BH-6	S	09.04.2020 09:05	6 In	672115-006
BH-7	S	09.04.2020 09:04	6 In	672115-007
NSW-1	S	09.04.2020 08:05	6 In	672115-008
SSW-1	S	09.04.2020 08:10	6 In	672115-009
ESW-1	S	09.04.2020 08:15	6 In	672115-010
ESW-2	S	09.04.2020 08:20	6 In	672115-011
WSW-1	S	09.04.2020 08:22	6 In	672115-012
WSW-2	S	09.04.2020 08:25	6 In	672115-013
Stockpile 1	S	09.04.2020 09:15	In	672115-014
Stockpile 2	S	09.04.2020 09:20	In	672115-015

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Romeo Fed COM 1H

Project ID: *12895*
Work Order Number(s): *672115*

Report Date: *09.14.2020*
Date Received: *09.09.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3136744 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits. Samples affected are: 7711052-1-BKS,7711052-1-BSD,672141-035 SD.

Batch: LBA-3136787 TPH by SW8015 Mod

Gasoline Range Hydrocarbons (GRO) RPD was outside laboratory control limits.
Samples in the analytical batch are: 672115-001, -002, -003, -004, -005, -006, -007, -008, -009, -010, -011, -012, -013, -014, -015

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Certificate of Analytical Results 672115

Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**BH-1**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-001	Date Collected:	09.04.2020 08:30	Sample Depth:	6 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	09.10.2020 14:45	Basis:	Wet Weight
Seq Number:	3136913				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**393**	5.03	mg/kg	09.10.2020 16:54		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	09.09.2020 15:00	Basis:	Wet Weight
Seq Number:	3136787				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	50.0	mg/kg	09.10.2020 03:56	UF	1
Diesel Range Organics (DRO)	C10C28DRO	**574**	50.0	mg/kg	09.10.2020 03:56		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**76.6**	50.0	mg/kg	09.10.2020 03:56		1
Total TPH	PHC635	**651**	50.0	mg/kg	09.10.2020 03:56		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-130	09.10.2020 03:56	
o-Terphenyl	84-15-1	106	%	70-130	09.10.2020 03:56	

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Certificate of Analytical Results 672115

Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**BH-1**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-001	Date Collected:	09.04.2020 08:30	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	09.09.2020 17:00	Basis:	Wet Weight
Seq Number:	3136744				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00202	mg/kg	09.10.2020 03:30	U	1
Toluene	108-88-3	ND	0.00202	mg/kg	09.10.2020 03:30	U	1
Ethylbenzene	100-41-4	ND	0.00202	mg/kg	09.10.2020 03:30	U	1
m,p-Xylenes	179601-23-1	ND	0.00404	mg/kg	09.10.2020 03:30	U	1
o-Xylene	95-47-6	ND	0.00202	mg/kg	09.10.2020 03:30	U	1
Total Xylenes	1330-20-7	ND	0.00202	mg/kg	09.10.2020 03:30	U	1
Total BTEX		ND	0.00202	mg/kg	09.10.2020 03:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	113	%	70-130	09.10.2020 03:30	
1,4-Difluorobenzene	540-36-3	102	%	70-130	09.10.2020 03:30	

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Certificate of Analytical Results 672115

Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**BH-2**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-002	Date Collected:	09.04.2020 08:40	Sample Depth:	6 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	09.10.2020 14:45	Basis:	Wet Weight
Seq Number:	3136913				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1100**	4.98	mg/kg	09.10.2020 17:13		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	09.09.2020 15:00	Basis:	Wet Weight
Seq Number:	3136787				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	50.0	mg/kg	09.10.2020 05:02	UF	1
Diesel Range Organics (DRO)	C10C28DRO	**512**	50.0	mg/kg	09.10.2020 05:02		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**57.6**	50.0	mg/kg	09.10.2020 05:02		1
Total TPH	PHC635	**570**	50.0	mg/kg	09.10.2020 05:02		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-130	09.10.2020 05:02	
o-Terphenyl	84-15-1	101	%	70-130	09.10.2020 05:02	

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Certificate of Analytical Results 672115

Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**BH-2**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-002	Date Collected:	09.04.2020 08:40	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	AMF			% Moisture:	
Analyst:	AMF	Date Prep:	09.09.2020 15:00	Basis:	Wet Weight
Seq Number:	3136678				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00200	mg/kg	09.09.2020 15:38	U	1
Toluene	108-88-3	ND	0.00200	mg/kg	09.09.2020 15:38	U	1
Ethylbenzene	100-41-4	ND	0.00200	mg/kg	09.09.2020 15:38	U	1
m,p-Xylenes	179601-23-1	ND	0.00400	mg/kg	09.09.2020 15:38	U	1
o-Xylene	95-47-6	ND	0.00200	mg/kg	09.09.2020 15:38	U	1
Total Xylenes	1330-20-7	ND	0.00200	mg/kg	09.09.2020 15:38	U	1
Total BTEX		ND	0.00200	mg/kg	09.09.2020 15:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	09.09.2020 15:38	
4-Bromofluorobenzene	460-00-4	111	%	70-130	09.09.2020 15:38	

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Certificate of Analytical Results 672115

Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**BH-3**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-003	Date Collected:	09.04.2020 08:45	Sample Depth:	6 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	09.10.2020 14:45	Basis:	Wet Weight
Seq Number:	3136913				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**492**	5.02	mg/kg	09.10.2020 17:20		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	09.09.2020 15:00	Basis:	Wet Weight
Seq Number:	3136787				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	49.9	mg/kg	09.10.2020 05:24	UF	1
Diesel Range Organics (DRO)	C10C28DRO	**410**	49.9	mg/kg	09.10.2020 05:24		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**58.6**	49.9	mg/kg	09.10.2020 05:24		1
Total TPH	PHC635	**469**	49.9	mg/kg	09.10.2020 05:24		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-130	09.10.2020 05:24	
o-Terphenyl	84-15-1	98	%	70-130	09.10.2020 05:24	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**BH-3**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-003	Date Collected:	09.04.2020 08:45	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	AMF			% Moisture:	
Analyst:	AMF	Date Prep:	09.09.2020 15:00	Basis:	Wet Weight
Seq Number:	3136678				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00199	mg/kg	09.09.2020 15:58	U	1
Toluene	108-88-3	ND	0.00199	mg/kg	09.09.2020 15:58	U	1
Ethylbenzene	100-41-4	ND	0.00199	mg/kg	09.09.2020 15:58	U	1
m,p-Xylenes	179601-23-1	ND	0.00398	mg/kg	09.09.2020 15:58	U	1
o-Xylene	95-47-6	ND	0.00199	mg/kg	09.09.2020 15:58	U	1
Total Xylenes	1330-20-7	ND	0.00199	mg/kg	09.09.2020 15:58	U	1
Total BTEX		ND	0.00199	mg/kg	09.09.2020 15:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	09.09.2020 15:58	
4-Bromofluorobenzene	460-00-4	114	%	70-130	09.09.2020 15:58	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**BH-4**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-004	Date Collected:	09.04.2020 08:51	Sample Depth:	6 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	09.10.2020 14:45	Basis:	Wet Weight
Seq Number:	3136913				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**158**	5.00	mg/kg	09.10.2020 17:26		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	09.09.2020 15:00	Basis:	Wet Weight
Seq Number:	3136787				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	49.9	mg/kg	09.10.2020 05:46	UF	1
Diesel Range Organics (DRO)	C10C28DRO	**110**	49.9	mg/kg	09.10.2020 05:46		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	49.9	mg/kg	09.10.2020 05:46	U	1
Total TPH	PHC635	**110**	49.9	mg/kg	09.10.2020 05:46		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-130	09.10.2020 05:46	
o-Terphenyl	84-15-1	83	%	70-130	09.10.2020 05:46	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**BH-4**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-004	Date Collected:	09.04.2020 08:51	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	AMF			% Moisture:	
Analyst:	AMF	Date Prep:	09.09.2020 15:00	Basis:	Wet Weight
Seq Number:	3136678				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00199	mg/kg	09.09.2020 17:21	U	1
Toluene	108-88-3	ND	0.00199	mg/kg	09.09.2020 17:21	U	1
Ethylbenzene	100-41-4	ND	0.00199	mg/kg	09.09.2020 17:21	U	1
m,p-Xylenes	179601-23-1	ND	0.00398	mg/kg	09.09.2020 17:21	U	1
o-Xylene	95-47-6	ND	0.00199	mg/kg	09.09.2020 17:21	U	1
Total Xylenes	1330-20-7	ND	0.00199	mg/kg	09.09.2020 17:21	U	1
Total BTEX		ND	0.00199	mg/kg	09.09.2020 17:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	09.09.2020 17:21	
4-Bromofluorobenzene	460-00-4	117	%	70-130	09.09.2020 17:21	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**BH-5**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-005	Date Collected:	09.04.2020 09:00	Sample Depth:	6 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	09.10.2020 14:45	Basis:	Wet Weight
Seq Number:	3136913				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**79.5**	4.96	mg/kg	09.10.2020 17:33		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	09.09.2020 15:00	Basis:	Wet Weight
Seq Number:	3136787				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	49.8	mg/kg	09.10.2020 06:08	UF	1
Diesel Range Organics (DRO)	C10C28DRO	ND	49.8	mg/kg	09.10.2020 06:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	49.8	mg/kg	09.10.2020 06:08	U	1
Total TPH	PHC635	ND	49.8	mg/kg	09.10.2020 06:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-130	09.10.2020 06:08	
o-Terphenyl	84-15-1	95	%	70-130	09.10.2020 06:08	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**BH-5**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-005	Date Collected:	09.04.2020 09:00	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	AMF			% Moisture:	
Analyst:	AMF	Date Prep:	09.09.2020 15:00	Basis:	Wet Weight
Seq Number:	3136678				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00202	mg/kg	09.09.2020 17:42	U	1
Toluene	108-88-3	ND	0.00202	mg/kg	09.09.2020 17:42	U	1
Ethylbenzene	100-41-4	ND	0.00202	mg/kg	09.09.2020 17:42	U	1
m,p-Xylenes	179601-23-1	ND	0.00403	mg/kg	09.09.2020 17:42	U	1
o-Xylene	95-47-6	ND	0.00202	mg/kg	09.09.2020 17:42	U	1
Total Xylenes	1330-20-7	ND	0.00202	mg/kg	09.09.2020 17:42	U	1
Total BTEX		ND	0.00202	mg/kg	09.09.2020 17:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	108	%	70-130	09.09.2020 17:42	
1,4-Difluorobenzene	540-36-3	102	%	70-130	09.09.2020 17:42	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**BH-6**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-006	Date Collected:	09.04.2020 09:05	Sample Depth:	6 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	09.10.2020 14:45	Basis:	Wet Weight
Seq Number:	3136913				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**91.3**	5.04	mg/kg	09.10.2020 17:52		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	09.09.2020 15:00	Basis:	Wet Weight
Seq Number:	3136787				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	50.0	mg/kg	09.10.2020 06:30	UF	1
Diesel Range Organics (DRO)	C10C28DRO	**84.4**	50.0	mg/kg	09.10.2020 06:30		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	50.0	mg/kg	09.10.2020 06:30	U	1
Total TPH	PHC635	**84.4**	50.0	mg/kg	09.10.2020 06:30		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-130	09.10.2020 06:30	
o-Terphenyl	84-15-1	94	%	70-130	09.10.2020 06:30	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**BH-6**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-006	Date Collected:	09.04.2020 09:05	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	AMF			% Moisture:	
Analyst:	AMF	Date Prep:	09.09.2020 15:00	Basis:	Wet Weight
Seq Number:	3136678				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00200	mg/kg	09.09.2020 18:02	U	1
Toluene	108-88-3	ND	0.00200	mg/kg	09.09.2020 18:02	U	1
Ethylbenzene	100-41-4	ND	0.00200	mg/kg	09.09.2020 18:02	U	1
m,p-Xylenes	179601-23-1	ND	0.00401	mg/kg	09.09.2020 18:02	U	1
o-Xylene	95-47-6	ND	0.00200	mg/kg	09.09.2020 18:02	U	1
Total Xylenes	1330-20-7	ND	0.00200	mg/kg	09.09.2020 18:02	U	1
Total BTEX		ND	0.00200	mg/kg	09.09.2020 18:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	09.09.2020 18:02	
1,4-Difluorobenzene	540-36-3	102	%	70-130	09.09.2020 18:02	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**BH-7**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-007	Date Collected:	09.04.2020 09:04	Sample Depth:	6 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	09.10.2020 14:45	Basis:	Wet Weight
Seq Number:	3136913				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**33.4**	4.95	mg/kg	09.10.2020 17:58		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	09.09.2020 15:00	Basis:	Wet Weight
Seq Number:	3136787				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	49.9	mg/kg	09.10.2020 06:52	UF	1
Diesel Range Organics (DRO)	C10C28DRO	ND	49.9	mg/kg	09.10.2020 06:52	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	49.9	mg/kg	09.10.2020 06:52	U	1
Total TPH	PHC635	ND	49.9	mg/kg	09.10.2020 06:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-130	09.10.2020 06:52	
o-Terphenyl	84-15-1	92	%	70-130	09.10.2020 06:52	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**BH-7**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-007	Date Collected:	09.04.2020 09:04	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	AMF			% Moisture:	
Analyst:	AMF	Date Prep:	09.09.2020 15:00	Basis:	Wet Weight
Seq Number:	3136678				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00199	mg/kg	09.09.2020 18:23	U	1
Toluene	108-88-3	ND	0.00199	mg/kg	09.09.2020 18:23	U	1
Ethylbenzene	100-41-4	ND	0.00199	mg/kg	09.09.2020 18:23	U	1
m,p-Xylenes	179601-23-1	ND	0.00398	mg/kg	09.09.2020 18:23	U	1
o-Xylene	95-47-6	ND	0.00199	mg/kg	09.09.2020 18:23	U	1
Total Xylenes	1330-20-7	ND	0.00199	mg/kg	09.09.2020 18:23	U	1
Total BTEX		ND	0.00199	mg/kg	09.09.2020 18:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	09.09.2020 18:23	
1,4-Difluorobenzene	540-36-3	103	%	70-130	09.09.2020 18:23	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**NSW-1**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-008	Date Collected:	09.04.2020 08:05	Sample Depth:	6 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	09.10.2020 14:45	Basis:	Wet Weight
Seq Number:	3136913				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11.5**	5.01	mg/kg	09.10.2020 18:04		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	09.09.2020 15:00	Basis:	Wet Weight
Seq Number:	3136787				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	50.0	mg/kg	09.10.2020 09:15	UF	1
Diesel Range Organics (DRO)	C10C28DRO	ND	50.0	mg/kg	09.10.2020 09:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	50.0	mg/kg	09.10.2020 09:15	U	1
Total TPH	PHC635	ND	50.0	mg/kg	09.10.2020 09:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	09.10.2020 09:15	
o-Terphenyl	84-15-1	83	%	70-130	09.10.2020 09:15	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**NSW-1**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-008	Date Collected:	09.04.2020 08:05	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	AMF			% Moisture:	
Analyst:	AMF	Date Prep:	09.09.2020 15:00	Basis:	Wet Weight
Seq Number:	3136678				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00200	mg/kg	09.09.2020 18:43	U	1
Toluene	108-88-3	ND	0.00200	mg/kg	09.09.2020 18:43	U	1
Ethylbenzene	100-41-4	ND	0.00200	mg/kg	09.09.2020 18:43	U	1
m,p-Xylenes	179601-23-1	ND	0.00399	mg/kg	09.09.2020 18:43	U	1
o-Xylene	95-47-6	ND	0.00200	mg/kg	09.09.2020 18:43	U	1
Total Xylenes	1330-20-7	ND	0.00200	mg/kg	09.09.2020 18:43	U	1
Total BTEX		ND	0.00200	mg/kg	09.09.2020 18:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	113	%	70-130	09.09.2020 18:43	
1,4-Difluorobenzene	540-36-3	103	%	70-130	09.09.2020 18:43	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**SSW-1**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-009	Date Collected:	09.04.2020 08:10	Sample Depth:	6 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	09.10.2020 14:45	Basis:	Wet Weight
Seq Number:	3136913				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**62.6**	4.97	mg/kg	09.10.2020 18:11		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	09.09.2020 15:00	Basis:	Wet Weight
Seq Number:	3136787				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	49.9	mg/kg	09.10.2020 09:37	UF	1
Diesel Range Organics (DRO)	C10C28DRO	**7800**	49.9	mg/kg	09.10.2020 09:37		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**294**	49.9	mg/kg	09.10.2020 09:37		1
Total TPH	PHC635	**8090**	49.9	mg/kg	09.10.2020 09:37		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-130	09.10.2020 09:37	
o-Terphenyl	84-15-1	104	%	70-130	09.10.2020 09:37	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**SSW-1**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-009	Date Collected:	09.04.2020 08:10	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	AMF			% Moisture:	
Analyst:	AMF	Date Prep:	09.09.2020 15:00	Basis:	Wet Weight
Seq Number:	3136678				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00200	mg/kg	09.09.2020 19:03	U	1
Toluene	108-88-3	ND	0.00200	mg/kg	09.09.2020 19:03	U	1
Ethylbenzene	100-41-4	ND	0.00200	mg/kg	09.09.2020 19:03	U	1
m,p-Xylenes	179601-23-1	ND	0.00400	mg/kg	09.09.2020 19:03	U	1
o-Xylene	95-47-6	ND	0.00200	mg/kg	09.09.2020 19:03	U	1
Total Xylenes	1330-20-7	ND	0.00200	mg/kg	09.09.2020 19:03	U	1
Total BTEX		ND	0.00200	mg/kg	09.09.2020 19:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	70-130	09.09.2020 19:03	
1,4-Difluorobenzene	540-36-3	102	%	70-130	09.09.2020 19:03	

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Certificate of Analytical Results 672115

Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**ESW-1**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-010	Date Collected:	09.04.2020 08:15	Sample Depth:	6 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	09.10.2020 14:45	Basis:	Wet Weight
Seq Number:	3136913				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**41.5**	4.99	mg/kg	09.10.2020 18:17		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	09.09.2020 15:00	Basis:	Wet Weight
Seq Number:	3136787				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	49.8	mg/kg	09.10.2020 09:59	UF	1
Diesel Range Organics (DRO)	C10C28DRO	ND	49.8	mg/kg	09.10.2020 09:59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	49.8	mg/kg	09.10.2020 09:59	U	1
Total TPH	PHC635	ND	49.8	mg/kg	09.10.2020 09:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-130	09.10.2020 09:59	
o-Terphenyl	84-15-1	83	%	70-130	09.10.2020 09:59	

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Certificate of Analytical Results 672115

Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**ESW-1**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-010	Date Collected:	09.04.2020 08:15	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	AMF			% Moisture:	
Analyst:	AMF	Date Prep:	09.09.2020 15:00	Basis:	Wet Weight
Seq Number:	3136678				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00198	mg/kg	09.09.2020 19:24	U	1
Toluene	108-88-3	ND	0.00198	mg/kg	09.09.2020 19:24	U	1
Ethylbenzene	100-41-4	ND	0.00198	mg/kg	09.09.2020 19:24	U	1
m,p-Xylenes	179601-23-1	ND	0.00396	mg/kg	09.09.2020 19:24	U	1
o-Xylene	95-47-6	ND	0.00198	mg/kg	09.09.2020 19:24	U	1
Total Xylenes	1330-20-7	ND	0.00198	mg/kg	09.09.2020 19:24	U	1
Total BTEX		ND	0.00198	mg/kg	09.09.2020 19:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	113	%	70-130	09.09.2020 19:24	
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.09.2020 19:24	

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Certificate of Analytical Results 672115

Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**ESW-2**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-011	Date Collected:	09.04.2020 08:20	Sample Depth:	6 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	09.10.2020 14:45	Basis:	Wet Weight
Seq Number:	3136913				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11.4**	4.98	mg/kg	09.10.2020 18:23		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	09.09.2020 15:00	Basis:	Wet Weight
Seq Number:	3136787				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	50.0	mg/kg	09.10.2020 10:20	UF	1
Diesel Range Organics (DRO)	C10C28DRO	ND	50.0	mg/kg	09.10.2020 10:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	50.0	mg/kg	09.10.2020 10:20	U	1
Total TPH	PHC635	ND	50.0	mg/kg	09.10.2020 10:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-130	09.10.2020 10:20	
o-Terphenyl	84-15-1	90	%	70-130	09.10.2020 10:20	

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Certificate of Analytical Results 672115

Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**ESW-2**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-011	Date Collected:	09.04.2020 08:20	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	AMF			% Moisture:	
Analyst:	AMF	Date Prep:	09.09.2020 15:00	Basis:	Wet Weight
Seq Number:	3136678				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00199	mg/kg	09.09.2020 19:44	U	1
Toluene	108-88-3	ND	0.00199	mg/kg	09.09.2020 19:44	U	1
Ethylbenzene	100-41-4	ND	0.00199	mg/kg	09.09.2020 19:44	U	1
m,p-Xylenes	179601-23-1	ND	0.00398	mg/kg	09.09.2020 19:44	U	1
o-Xylene	95-47-6	ND	0.00199	mg/kg	09.09.2020 19:44	U	1
Total Xylenes	1330-20-7	ND	0.00199	mg/kg	09.09.2020 19:44	U	1
Total BTEX		ND	0.00199	mg/kg	09.09.2020 19:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	109	%	70-130	09.09.2020 19:44	
1,4-Difluorobenzene	540-36-3	101	%	70-130	09.09.2020 19:44	

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Certificate of Analytical Results 672115

Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**WSW-1**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-012	Date Collected:	09.04.2020 08:22	Sample Depth:	6 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	09.10.2020 14:45	Basis:	Wet Weight
Seq Number:	3136913				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**54.6**	4.96	mg/kg	09.10.2020 18:42		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	09.09.2020 15:00	Basis:	Wet Weight
Seq Number:	3136787				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	50.0	mg/kg	09.10.2020 10:42	UF	1
Diesel Range Organics (DRO)	C10C28DRO	**103**	50.0	mg/kg	09.10.2020 10:42		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	50.0	mg/kg	09.10.2020 10:42	U	1
Total TPH	PHC635	**103**	50.0	mg/kg	09.10.2020 10:42		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	09.10.2020 10:42	
o-Terphenyl	84-15-1	98	%	70-130	09.10.2020 10:42	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**WSW-1**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-012	Date Collected:	09.04.2020 08:22	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	09.10.2020 17:00	Basis:	Wet Weight
Seq Number:	3136921				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00202	mg/kg	09.11.2020 17:17	U	1
Toluene	108-88-3	ND	0.00202	mg/kg	09.11.2020 17:17	U	1
Ethylbenzene	100-41-4	ND	0.00202	mg/kg	09.11.2020 17:17	U	1
m,p-Xylenes	179601-23-1	ND	0.00404	mg/kg	09.11.2020 17:17	U	1
o-Xylene	95-47-6	ND	0.00202	mg/kg	09.11.2020 17:17	U	1
Total Xylenes	1330-20-7	ND	0.00202	mg/kg	09.11.2020 17:17	U	1
Total BTEX		ND	0.00202	mg/kg	09.11.2020 17:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	122	%	70-130	09.11.2020 17:17	
1,4-Difluorobenzene	540-36-3	100	%	70-130	09.11.2020 17:17	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**WSW-2**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-013	Date Collected:	09.04.2020 08:25	Sample Depth:	6 In

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	09.10.2020 14:45	Basis:	Wet Weight
Seq Number:	3136913				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**35.4**	5.00	mg/kg	09.10.2020 18:49		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	09.09.2020 15:00	Basis:	Wet Weight
Seq Number:	3136787				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	49.9	mg/kg	09.10.2020 11:04	UF	1
Diesel Range Organics (DRO)	C10C28DRO	**62.4**	49.9	mg/kg	09.10.2020 11:04		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	49.9	mg/kg	09.10.2020 11:04	U	1
Total TPH	PHC635	**62.4**	49.9	mg/kg	09.10.2020 11:04		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-130	09.10.2020 11:04	
o-Terphenyl	84-15-1	97	%	70-130	09.10.2020 11:04	

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Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**WSW-2**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-013	Date Collected:	09.04.2020 08:25	Sample Depth:	6 In
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	09.10.2020 17:00	Basis:	Wet Weight
Seq Number:	3136921				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00202	mg/kg	09.11.2020 17:37	U	1
Toluene	108-88-3	ND	0.00202	mg/kg	09.11.2020 17:37	U	1
Ethylbenzene	100-41-4	ND	0.00202	mg/kg	09.11.2020 17:37	U	1
m,p-Xylenes	179601-23-1	ND	0.00404	mg/kg	09.11.2020 17:37	U	1
o-Xylene	95-47-6	ND	0.00202	mg/kg	09.11.2020 17:37	U	1
Total Xylenes	1330-20-7	ND	0.00202	mg/kg	09.11.2020 17:37	U	1
Total BTEX		ND	0.00202	mg/kg	09.11.2020 17:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	09.11.2020 17:37	
4-Bromofluorobenzene	460-00-4	119	%	70-130	09.11.2020 17:37	

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Certificate of Analytical Results 672115

Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id: **Stockpile 1** Matrix: Soil Date Received:09.09.2020 12:30

Lab Sample Id: 672115-014 Date Collected: 09.04.2020 09:15

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 09.10.2020 14:45 Basis: Wet Weight

Seq Number: 3136913

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**902**	5.00	mg/kg	09.10.2020 19:08		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 09.09.2020 15:00 Basis: Wet Weight

Seq Number: 3136787

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	50.0	mg/kg	09.10.2020 11:25	UF	1
Diesel Range Organics (DRO)	C10C28DRO	**2110**	50.0	mg/kg	09.10.2020 11:25		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**283**	50.0	mg/kg	09.10.2020 11:25		1
Total TPH	PHC635	**2390**	50.0	mg/kg	09.10.2020 11:25		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-130	09.10.2020 11:25	
o-Terphenyl	84-15-1	108	%	70-130	09.10.2020 11:25	

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Certificate of Analytical Results 672115

Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**Stockpile 1**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-014	Date Collected:	09.04.2020 09:15		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	AMF			% Moisture:	
Analyst:	AMF	Date Prep:	09.09.2020 15:00	Basis:	Wet Weight
Seq Number:	3136674				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00199	mg/kg	09.09.2020 15:15	U	1
Toluene	108-88-3	ND	0.00199	mg/kg	09.09.2020 15:15	U	1
Ethylbenzene	100-41-4	ND	0.00199	mg/kg	09.09.2020 15:15	U	1
m,p-Xylenes	179601-23-1	ND	0.00398	mg/kg	09.09.2020 15:15	U	1
o-Xylene	95-47-6	ND	0.00199	mg/kg	09.09.2020 15:15	U	1
Total Xylenes	1330-20-7	ND	0.00199	mg/kg	09.09.2020 15:15	U	1
Total BTEX		ND	0.00199	mg/kg	09.09.2020 15:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	09.09.2020 15:15	
4-Bromofluorobenzene	460-00-4	101	%	70-130	09.09.2020 15:15	

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Certificate of Analytical Results 672115

Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id: **Stockpile 2** Matrix: Soil Date Received:09.09.2020 12:30

Lab Sample Id: 672115-015 Date Collected: 09.04.2020 09:20

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 09.10.2020 14:45 Basis: Wet Weight

Seq Number: 3136913

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**128**	5.05	mg/kg	09.10.2020 19:14		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 09.09.2020 15:00 Basis: Wet Weight

Seq Number: 3136787

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	50.0	mg/kg	09.10.2020 11:47	UF	1
Diesel Range Organics (DRO)	C10C28DRO	**152**	50.0	mg/kg	09.10.2020 11:47		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	50.0	mg/kg	09.10.2020 11:47	U	1
Total TPH	PHC635	**152**	50.0	mg/kg	09.10.2020 11:47		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-130	09.10.2020 11:47	
o-Terphenyl	84-15-1	96	%	70-130	09.10.2020 11:47	

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Certificate of Analytical Results 672115

Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**Stockpile 2**	Matrix:	Soil	Date Received:	09.09.2020 12:30
Lab Sample Id:	672115-015	Date Collected:	09.04.2020 09:20		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	AMF			% Moisture:	
Analyst:	AMF	Date Prep:	09.09.2020 15:00	Basis:	Wet Weight
Seq Number:	3136674				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00200	mg/kg	09.09.2020 15:35	U	1
Toluene	108-88-3	ND	0.00200	mg/kg	09.09.2020 15:35	U	1
Ethylbenzene	100-41-4	ND	0.00200	mg/kg	09.09.2020 15:35	U	1
m,p-Xylenes	179601-23-1	ND	0.00399	mg/kg	09.09.2020 15:35	U	1
o-Xylene	95-47-6	ND	0.00200	mg/kg	09.09.2020 15:35	U	1
Total Xylenes	1330-20-7	ND	0.00200	mg/kg	09.09.2020 15:35	U	1
Total BTEX		ND	0.00200	mg/kg	09.09.2020 15:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	09.09.2020 15:35	
1,4-Difluorobenzene	540-36-3	105	%	70-130	09.09.2020 15:35	

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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

QC Summary 672115

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Etech Environmental & Safety Solution, Inc

Romeo Fed COM 1H

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3136913 — Matrix: Solid — Date Prep: 09.10.2020
MB Sample Id: 7711085-1-BLK — LCS Sample Id: 7711085-1-BKS — LCSD Sample Id: 7711085-1-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	266	106	266	106	90-110	0	20	mg/kg	09.10.2020 16:42	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3136913 — Matrix: Soil — Date Prep: 09.10.2020
Parent Sample Id: 672115-001 — MS Sample Id: 672115-001 S — MSD Sample Id: 672115-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	393	252	632	95	632	95	90-110	0	20	mg/kg	09.10.2020 17:01	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3136913 — Matrix: Soil — Date Prep: 09.10.2020
Parent Sample Id: 672115-011 — MS Sample Id: 672115-011 S — MSD Sample Id: 672115-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	11.4	249	267	103	267	103	90-110	0	20	mg/kg	09.10.2020 18:30	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3136787 — Matrix: Solid — Date Prep: 09.09.2020
MB Sample Id: 7711040-1-BLK — LCS Sample Id: 7711040-1-BKS — LCSD Sample Id: 7711040-1-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	1160	116	917	92	70-130	23	20	mg/kg	09.10.2020 03:12	F
Diesel Range Organics (DRO)	<50.0	1000	1130	113	934	93	70-130	19	20	mg/kg	09.10.2020 03:12	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	108		116		96		70-130	%	09.10.2020 03:12
o-Terphenyl	111		107		87		70-130	%	09.10.2020 03:12

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3136787 — Matrix: Solid — Date Prep: 09.09.2020
MB Sample Id: 7711040-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	ND	mg/kg	09.10.2020 02:50	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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QC Summary 672115

Etech Environmental & Safety Solution, Inc

Romeo Fed COM 1H

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3136787 Matrix: Soil Date Prep: 09.09.2020
Parent Sample Id: 672115-001 MS Sample Id: 672115-001 S MSD Sample Id: 672115-001 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)	<49.9	997	844	85	1010	101	70-130	18	20	mg/kg	09.10.2020 04:18	
Diesel Range Organics (DRO)	574	997	1360	79	1540	97	70-130	12	20	mg/kg	09.10.2020 04:18	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	106		118		70-130	%	09.10.2020 04:18
o-Terphenyl	93		100		70-130	%	09.10.2020 04:18

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3136674 Matrix: Solid Date Prep: 09.09.2020
MB Sample Id: 7710980-1-BLK LCS Sample Id: 7710980-1-BKS LCSD Sample Id: 7710980-1-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	0.0987	99	0.0957	96	70-130	3	35	mg/kg	09.09.2020 09:25	
Toluene	<0.00200	0.100	0.0969	97	0.0933	93	70-130	4	35	mg/kg	09.09.2020 09:25	
Ethylbenzene	<0.00200	0.100	0.104	104	0.0999	100	70-130	4	35	mg/kg	09.09.2020 09:25	
m,p-Xylenes	<0.00400	0.200	0.210	105	0.200	100	70-130	5	35	mg/kg	09.09.2020 09:25	
o-Xylene	<0.00200	0.100	0.101	101	0.0963	96	70-130	5	35	mg/kg	09.09.2020 09:25	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	95		97		97		70-130	%	09.09.2020 09:25
4-Bromofluorobenzene	82		109		105		70-130	%	09.09.2020 09:25

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3136678 Matrix: Solid Date Prep: 09.09.2020
MB Sample Id: 7710982-1-BLK LCS Sample Id: 7710982-1-BKS LCSD Sample Id: 7710982-1-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	0.0900	90	0.0942	94	70-130	5	35	mg/kg	09.09.2020 09:23	
Toluene	<0.00200	0.100	0.0928	93	0.0971	97	70-130	5	35	mg/kg	09.09.2020 09:23	
Ethylbenzene	<0.00200	0.100	0.0849	85	0.0886	89	70-130	4	35	mg/kg	09.09.2020 09:23	
m,p-Xylenes	<0.00400	0.200	0.170	85	0.178	89	70-130	5	35	mg/kg	09.09.2020 09:23	
o-Xylene	<0.00200	0.100	0.0828	83	0.0866	87	70-130	4	35	mg/kg	09.09.2020 09:23	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		99		97		70-130	%	09.09.2020 09:23
4-Bromofluorobenzene	112		104		101		70-130	%	09.09.2020 09:23

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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

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QC Summary 672115

Etech Environmental & Safety Solution, Inc

Romeo Fed COM 1H

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3136744 — Matrix: Solid — Date Prep: 09.09.2020
MB Sample Id: 7711052-1-BLK — LCS Sample Id: 7711052-1-BKS — LCSD Sample Id: 7711052-1-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	0.0902	90	0.0906	91	70-130	0	35	mg/kg	09.09.2020 22:04	
Toluene	<0.00200	0.100	0.0912	91	0.0928	93	70-130	2	35	mg/kg	09.09.2020 22:04	
Ethylbenzene	<0.00200	0.100	0.102	102	0.105	105	70-130	3	35	mg/kg	09.09.2020 22:04	
m,p-Xylenes	<0.00400	0.200	0.214	107	0.220	110	70-130	3	35	mg/kg	09.09.2020 22:04	
o-Xylene	<0.00200	0.100	0.107	107	0.110	110	70-130	3	35	mg/kg	09.09.2020 22:04	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	96		98		99		70-130	%	09.09.2020 22:04
4-Bromofluorobenzene	82		131	**	132	**	70-130	%	09.09.2020 22:04

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3136921 — Matrix: Solid — Date Prep: 09.10.2020
MB Sample Id: 7711166-1-BLK — LCS Sample Id: 7711166-1-BKS — LCSD Sample Id: 7711166-1-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	0.115	115	0.114	114	70-130	1	35	mg/kg	09.11.2020 09:45	
Toluene	<0.00200	0.100	0.108	108	0.0993	99	70-130	8	35	mg/kg	09.11.2020 09:45	
Ethylbenzene	<0.00200	0.100	0.105	105	0.103	103	70-130	2	35	mg/kg	09.11.2020 09:45	
m,p-Xylenes	<0.00400	0.200	0.215	108	0.211	106	70-130	2	35	mg/kg	09.11.2020 09:45	
o-Xylene	<0.00200	0.100	0.104	104	0.103	103	70-130	1	35	mg/kg	09.11.2020 09:45	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		100		98		70-130	%	09.11.2020 09:45
4-Bromofluorobenzene	120		110		109		70-130	%	09.11.2020 09:45

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3136674 — Matrix: Soil — Date Prep: 09.09.2020
Parent Sample Id: 671907-001 — MS Sample Id: 671907-001 S — MSD Sample Id: 671907-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0994	0.0790	79	0.0740	74	70-130	7	35	mg/kg	09.09.2020 10:06	
Toluene	<0.00199	0.0994	0.0622	63	0.0556	56	70-130	11	35	mg/kg	09.09.2020 10:06	X
Ethylbenzene	<0.00199	0.0994	0.0511	51	0.0441	44	70-130	15	35	mg/kg	09.09.2020 10:06	X
m,p-Xylenes	0.00719	0.199	0.0988	46	0.0866	40	70-130	13	35	mg/kg	09.09.2020 10:06	X
o-Xylene	0.00434	0.0994	0.0496	46	0.0431	39	70-130	14	35	mg/kg	09.09.2020 10:06	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	106		109		70-130	%	09.09.2020 10:06
4-Bromofluorobenzene	100		123		70-130	%	09.09.2020 10:06

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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QC Summary 672115

Etech Environmental & Safety Solution, Inc

Romeo Fed COM 1H

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3136678 — Matrix: Soil — Date Prep: 09.09.2020
Parent Sample Id: 671907-005 — MS Sample Id: 671907-005 S — MSD Sample Id: 671907-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.0790	79	0.0772	77	70-130	2	35	mg/kg	09.09.2020 10:04	
Toluene	<0.00199	0.0996	0.0599	60	0.0677	68	70-130	12	35	mg/kg	09.09.2020 10:04	X
Ethylbenzene	0.00572	0.0996	0.0516	46	0.0518	46	70-130	0	35	mg/kg	09.09.2020 10:04	X
m,p-Xylenes	0.0193	0.199	0.103	42	0.103	42	70-130	0	35	mg/kg	09.09.2020 10:04	X
o-Xylene	0.0132	0.0996	0.0535	40	0.0530	40	70-130	1	35	mg/kg	09.09.2020 10:04	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		100		70-130	%	09.09.2020 10:04
4-Bromofluorobenzene	112		111		70-130	%	09.09.2020 10:04

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3136744 — Matrix: Soil — Date Prep: 09.09.2020
Parent Sample Id: 672141-035 — MS Sample Id: 672141-035 S — MSD Sample Id: 672141-035 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0994	0.0753	76	0.0758	76	70-130	1	35	mg/kg	09.09.2020 22:45	
Toluene	<0.00199	0.0994	0.0667	67	0.0787	79	70-130	17	35	mg/kg	09.09.2020 22:45	X
Ethylbenzene	<0.00199	0.0994	0.0652	66	0.0890	89	70-130	31	35	mg/kg	09.09.2020 22:45	X
m,p-Xylenes	<0.00398	0.199	0.126	63	0.185	93	70-130	38	35	mg/kg	09.09.2020 22:45	XF
o-Xylene	<0.00199	0.0994	0.0632	64	0.0929	93	70-130	38	35	mg/kg	09.09.2020 22:45	XF

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	106		100		70-130	%	09.09.2020 22:45
4-Bromofluorobenzene	95		136	**	70-130	%	09.09.2020 22:45

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3136921 — Matrix: Soil — Date Prep: 09.10.2020
Parent Sample Id: 672265-001 — MS Sample Id: 672265-001 S — MSD Sample Id: 672265-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.101	0.108	107	0.106	105	70-130	2	35	mg/kg	09.11.2020 10:26	
Toluene	<0.00201	0.101	0.0928	92	0.108	107	70-130	15	35	mg/kg	09.11.2020 10:26	
Ethylbenzene	<0.00201	0.101	0.0956	95	0.0974	96	70-130	2	35	mg/kg	09.11.2020 10:26	
m,p-Xylenes	<0.00402	0.201	0.197	98	0.201	100	70-130	2	35	mg/kg	09.11.2020 10:26	
o-Xylene	<0.00201	0.101	0.0960	95	0.0985	98	70-130	3	35	mg/kg	09.11.2020 10:26	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		99		70-130	%	09.11.2020 10:26
4-Bromofluorobenzene	110		116		70-130	%	09.11.2020 10:26

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, 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) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 472115

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Project Manager:	Matt Green	Bill to: (if different)	
Company Name:	Etech Environmental & Safety Solutions, Inc	Company Name:	Centennial
Address:	PO Box 62228	Address:	
City, State ZIP:	Midland, Texas 79711	City, State ZIP:	
Phone:	432-563-2200	Email:	Matt@etechenv.com

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other: contract

Project Name:	*Romeo Fed COM 1H*	Turn Around	
Project Number:	12895	CONTRACT ☐	
Project Location	*Lea County, New Mexico*	Rush: ☐	
Sampler's Name:	Wesley Desilets	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temperature (°C):	0.9/2.5	Temp Blank:	Yes (No)	Wet Ice: (Yes) No
Received Intact:	(Yes) No	Thermometer ID		IR8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:		-0.4
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	NORM (Pioneer)	Texas 11 RCRA Metals (total)	TPH SW 8015M	BTEX SW 846-8021B	HOLD for TCLP	Chlorides EPA 300
BH-1	S	9/4/2020	8:30	6"	1			X	X		X
BH-2	S	9/4/2020	8:40	6"	1			X	X		X
BH-3	S	9/4/2020	8:45	6"	1			X	X		X
BH-4	S	9/4/2020	8:51	6"	1			X	X		X
BH-5	S	9/4/2020	9:00	6"	1			X	X		X
BH-6	S	9/4/2020	9:05	6"	1			X	X		X
BH-7	S	9/4/2020	9:04	6"	1			X	X		X
NSW-1	S	9/4/2020	8:05	6"	1			X	X		X
SSW-1	S	9/4/2020	8:10	6"	1			X	X		X
ESW-1	S	9/4/2020	8:15	6"	1			X	X		X

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Bill to Centennial

NORM TAT circle one : 7 day, **5 day** Rush 3 day

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		9/9/20	2		
3			4		
5		1750	6		

Revised Date101419 Rev. 2019.1

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, 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) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 677115

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Project Manager:	Matt Green	Bill to: (if different)	
Company Name:	Etech Environmental & Safety Solutions, Inc	Company Name:	Centennial
Address:	PO Box 62228	Address:	
City, State ZIP:	Midland, Texas 79711	City, State ZIP:	
Phone:	432-563-2200	Email:	Matt@etechenv.com

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other: contract

Project Name:	*Romeo Fed COM 1H*	Turn Around	
Project Number:	12895	CONTRACT ☐	
Project Location	*Lea County, New Mexico*	Rush: ☐	
Sampler's Name:	Wesley Desilets	Due Date:	
PO #:			

SAMPLE RECEIPT			
Temperature (°C):	29.7.5	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)	Total Containers:	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	NORM (Pioneer)	Texas 11 RCRA Metals (total)	TPH SW 8015M	BTEX SW 846-8021B	HOLD for TCLP	Chlorides EPA 300
ESW-2	S	9/4/2020	8:20	6"	1			X	X		X
WSW-1	S	9/4/2020	8:22	6"	1			X	X		X
WSW-2	S	9/4/2020	8:25	6"	1			X	X		X
Stockpile 1	S	9/4/2020	9:15	-	1			X	X		X
Stockpile 2	S	9/4/2020	9:20	-	1			X	X		X

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Bill to Centennial

NORM TAT circle one : 7 day, **5 day**, Rush 3 day

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		9/9/20	2		
3			4		
5		1030	6		

Revised Date101419 Rev. 2019.1

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 09.09.2020 12.30.00 PM

Work Order #: 672115

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)?	2.5	
#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**	BTEX was in bulk container
#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**	

*** 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: 09.09.2020
Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 09.09.2020
Jessica Kramer

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Certificate of Analysis Summary 675437

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Romeo Fed COM 1H

Project Id: 12895
Contact: Matthew Green
Project Location: Lea County, New Mexico

Date Received in Lab: Fri 10.16.2020 16:00
Report Date: 01.28.2021 08:38
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	675437-001		675437-002		675437-003		675437-004		675437-005		675437-006	
	Field Id:	BH-1		BH-2		BH-3		BH-4		SSW-1		WSW-1	
	Depth:	1- ft		1- ft		1- ft		1- ft		6- In		6- In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	10.14.2020 09:10		10.14.2020 09:18		10.14.2020 09:20		10.14.2020 09:27		10.14.2020 09:06		10.14.2020 09:30	
Chloride by EPA 300	***Extracted:***			10.19.2020 14:00									
	Analyzed:			10.19.2020 22:15									
	Units/RL:			mg/kg	RL								
Chloride				7.88	4.98								
TPH by SW8015 Mod	***Extracted:***	10.17.2020 11:00		10.17.2020 11:00		10.17.2020 11:00		10.17.2020 11:00		10.17.2020 11:00		10.17.2020 11:00	
	Analyzed:	** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		ND	50.0	ND	50.0	ND	50.0	ND	49.9	ND	49.8	ND	50.0
Diesel Range Organics (DRO)		ND	50.0	ND	50.0	ND	50.0	ND	49.9	ND	49.8	ND	50.0
Motor Oil Range Hydrocarbons (MRO)		ND	50.0	ND	50.0	ND	50.0	ND	49.9	ND	49.8	ND	50.0
Total TPH		ND	50.0	ND	50.0	ND	50.0	ND	49.9	ND	49.8	ND	50.0

BRL - Below Reporting Limit

Jessica Kramer

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

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Certificate of Analysis Summary 675437

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Romeo Fed COM 1H

Project Id: 12895
Contact: Matthew Green
Project Location: Lea County, New Mexico

Date Received in Lab: Fri 10.16.2020 16:00
Report Date: 01.28.2021 08:38
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	675437-007		675437-008		675437-009							
	Field Id:	Stockpile-1A		Stockpile-2A		Stockpile-3							
	Depth:												
	Matrix:	SOIL		SOIL		SOIL							
	Sampled:	10.14.2020 14:00		10.14.2020 14:05		10.14.2020 14:10							
BTEX by EPA 8021B	***Extracted:***					10.20.2020 09:00							
	Analyzed:					10.20.2020 13:22							
	Units/RL:					mg/kg	RL						
Benzene						ND	0.00200						
Toluene						ND	0.00200						
Ethylbenzene						ND	0.00200						
m,p-Xylenes						ND	0.00401						
o-Xylene						ND	0.00200						
Total Xylenes						ND	0.00200						
Total BTEX						ND	0.00200						
Chloride by EPA 300	***Extracted:***	10.19.2020 14:00				10.19.2020 14:00							
	Analyzed:	10.19.2020 22:21				10.19.2020 22:28							
	Units/RL:	mg/kg	RL			mg/kg	RL						
Chloride		368	5.00			82.8	5.00						
TPH by SW8015 Mod	***Extracted:***	10.17.2020 11:00		10.17.2020 11:00		10.17.2020 11:00							
	Analyzed:	** ** ** **		** ** ** **		** ** ** **							
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL						
Gasoline Range Hydrocarbons (GRO)		ND	49.9	ND	49.9	ND	49.9						
Diesel Range Organics (DRO)		431	49.9	158	49.9	ND	49.9						
Motor Oil Range Hydrocarbons (MRO)		ND	49.9	ND	49.9	ND	49.9						
Total TPH		431	49.9	158	49.9	ND	49.9						

BRL - Below Reporting Limit

Jessica Kramer

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

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Analytical Report 675437

for

Etech Environmental & Safety Solution, Inc

Project Manager: Matthew Green

Romeo Fed COM 1H

12895

01.28.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), 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 (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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01.28.2021

Project Manager: **Matthew Green**
Etech Environmental & Safety Solution, Inc
P.O. Box 62228
Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **675437**
Romeo Fed COM 1H
Project Address: Lea County, New Mexico

Matthew Green:

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) 675437. 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. 675437 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,

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

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Sample Cross Reference 675437

Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
BH-1	S	10.14.2020 09:10	1 ft	675437-001
BH-2	S	10.14.2020 09:18	1 ft	675437-002
BH-3	S	10.14.2020 09:20	1 ft	675437-003
BH-4	S	10.14.2020 09:27	1 ft	675437-004
SSW-1	S	10.14.2020 09:06	6 In	675437-005
WSW-1	S	10.14.2020 09:30	6 In	675437-006
Stockpile-1A	S	10.14.2020 14:00	N/A	675437-007
Stockpile-2A	S	10.14.2020 14:05	N/A	675437-008
Stockpile-3	S	10.14.2020 14:10	N/A	675437-009

CASE NARRATIVE

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Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Romeo Fed COM 1H

Project ID: *12895*
Work Order Number(s): *675437*

Report Date: *01.28.2021*
Date Received: *10.16.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3140194 BTEX by EPA 8021B

Lab Sample ID 675437-009 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Ethylbenzene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 675437-009.

The Laboratory Control Sample for m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

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Certificate of Analytical Results 675437

Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**BH-1**	Matrix:	Soil	Date Received:	10.16.2020 16:00
Lab Sample Id:	675437-001	Date Collected:	10.14.2020 09:10	Sample Depth:	1 ft
Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	10.17.2020 11:00	% Moisture:	
Seq Number:	3139998			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	50.0	mg/kg	10.17.2020 02:48	U	1
Diesel Range Organics (DRO)	C10C28DRO	ND	50.0	mg/kg	10.17.2020 02:48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	50.0	mg/kg	10.17.2020 02:48	U	1
Total TPH	PHC635	ND	50.0	mg/kg	10.17.2020 02:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-130	10.17.2020 02:48	
o-Terphenyl	84-15-1	102	%	70-130	10.17.2020 02:48	

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Certificate of Analytical Results 675437

Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**BH-2**	Matrix:	Soil	Date Received:	10.16.2020 16:00
Lab Sample Id:	675437-002	Date Collected:	10.14.2020 09:18	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	10.19.2020 14:00	% Moisture:	
Seq Number:	3140096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**7.88**	4.98	mg/kg	10.19.2020 22:15		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	10.17.2020 11:00	% Moisture:	
Seq Number:	3139998			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	50.0	mg/kg	10.17.2020 03:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	ND	50.0	mg/kg	10.17.2020 03:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	50.0	mg/kg	10.17.2020 03:45	U	1
Total TPH	PHC635	ND	50.0	mg/kg	10.17.2020 03:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	10.17.2020 03:45	
o-Terphenyl	84-15-1	99	%	70-130	10.17.2020 03:45	

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Certificate of Analytical Results 675437

Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**BH-3**	Matrix:	Soil	Date Received:	10.16.2020 16:00
Lab Sample Id:	675437-003	Date Collected:	10.14.2020 09:20	Sample Depth:	1 ft
Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	10.17.2020 11:00	% Moisture:	
Seq Number:	3139998			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	50.0	mg/kg	10.17.2020 04:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	ND	50.0	mg/kg	10.17.2020 04:05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	50.0	mg/kg	10.17.2020 04:05	U	1
Total TPH	PHC635	ND	50.0	mg/kg	10.17.2020 04:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	10.17.2020 04:05	
o-Terphenyl	84-15-1	95	%	70-130	10.17.2020 04:05	

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Certificate of Analytical Results 675437

Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**BH-4**	Matrix:	Soil	Date Received:	10.16.2020 16:00
Lab Sample Id:	675437-004	Date Collected:	10.14.2020 09:27	Sample Depth:	1 ft
Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	10.17.2020 11:00	% Moisture:	
Seq Number:	3139998			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	49.9	mg/kg	10.17.2020 04:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	ND	49.9	mg/kg	10.17.2020 04:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	49.9	mg/kg	10.17.2020 04:24	U	1
Total TPH	PHC635	ND	49.9	mg/kg	10.17.2020 04:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-130	10.17.2020 04:24	
o-Terphenyl	84-15-1	94	%	70-130	10.17.2020 04:24	

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Certificate of Analytical Results 675437

Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**SSW-1**	Matrix:	Soil	Date Received:	10.16.2020 16:00
Lab Sample Id:	675437-005	Date Collected:	10.14.2020 09:06	Sample Depth:	6 In
Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	10.17.2020 11:00	% Moisture:	
Seq Number:	3139998			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	49.8	mg/kg	10.17.2020 04:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	ND	49.8	mg/kg	10.17.2020 04:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	49.8	mg/kg	10.17.2020 04:43	U	1
Total TPH	PHC635	ND	49.8	mg/kg	10.17.2020 04:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-130	10.17.2020 04:43	
o-Terphenyl	84-15-1	96	%	70-130	10.17.2020 04:43	

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Certificate of Analytical Results 675437

Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**WSW-1**	Matrix:	Soil	Date Received:	10.16.2020 16:00
Lab Sample Id:	675437-006	Date Collected:	10.14.2020 09:30	Sample Depth:	6 In
Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	10.17.2020 11:00	% Moisture:	
Seq Number:	3139998			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	50.0	mg/kg	10.17.2020 05:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	ND	50.0	mg/kg	10.17.2020 05:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	50.0	mg/kg	10.17.2020 05:02	U	1
Total TPH	PHC635	ND	50.0	mg/kg	10.17.2020 05:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-130	10.17.2020 05:02	
o-Terphenyl	84-15-1	95	%	70-130	10.17.2020 05:02	

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Certificate of Analytical Results 675437

Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**Stockpile-1A**	Matrix:	Soil	Date Received:	10.16.2020 16:00
Lab Sample Id:	675437-007	Date Collected:	10.14.2020 14:00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	10.19.2020 14:00	% Moisture:	
Seq Number:	3140096			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**368**	5.00	mg/kg	10.19.2020 22:21		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	10.17.2020 11:00	% Moisture:	
Seq Number:	3139998			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	49.9	mg/kg	10.17.2020 05:21	U	1
Diesel Range Organics (DRO)	C10C28DRO	**431**	49.9	mg/kg	10.17.2020 05:21		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	49.9	mg/kg	10.17.2020 05:21	U	1
Total TPH	PHC635	**431**	49.9	mg/kg	10.17.2020 05:21		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-130	10.17.2020 05:21	
o-Terphenyl	84-15-1	109	%	70-130	10.17.2020 05:21	

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Certificate of Analytical Results 675437

Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**Stockpile-2A**	Matrix:	Soil	Date Received:	10.16.2020 16:00
Lab Sample Id:	675437-008	Date Collected:	10.14.2020 14:05		
Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM				
Analyst:	ARM	Date Prep:	10.17.2020 11:00	% Moisture:	
Seq Number:	3139998			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	49.9	mg/kg	10.17.2020 05:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	**158**	49.9	mg/kg	10.17.2020 05:40		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	49.9	mg/kg	10.17.2020 05:40	U	1
Total TPH	PHC635	**158**	49.9	mg/kg	10.17.2020 05:40		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	10.17.2020 05:40	
o-Terphenyl	84-15-1	95	%	70-130	10.17.2020 05:40	

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Certificate of Analytical Results 675437

Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id: **Stockpile-3** Matrix: Soil Date Received:10.16.2020 16:00

Lab Sample Id: 675437-009 Date Collected: 10.14.2020 14:10

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE

Analyst: CHE Date Prep: 10.19.2020 14:00 % Moisture:

Seq Number: 3140096 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**82.8**	5.00	mg/kg	10.19.2020 22:28		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM

Analyst: ARM Date Prep: 10.17.2020 11:00 % Moisture:

Seq Number: 3139998 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	49.9	mg/kg	10.17.2020 06:00	U	1
Diesel Range Organics (DRO)	C10C28DRO	ND	49.9	mg/kg	10.17.2020 06:00	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	ND	49.9	mg/kg	10.17.2020 06:00	U	1
Total TPH	PHC635	ND	49.9	mg/kg	10.17.2020 06:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	10.17.2020 06:00	
o-Terphenyl	84-15-1	87	%	70-130	10.17.2020 06:00	

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Certificate of Analytical Results 675437

Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	**Stockpile-3**	Matrix:	Soil	Date Received:	10.16.2020 16:00
Lab Sample Id:	675437-009	Date Collected:	10.14.2020 14:10		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL				
Analyst:	KTL	Date Prep:	10.20.2020 09:00	% Moisture:	
Seq Number:	3140194			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	ND	0.00200	mg/kg	10.20.2020 13:22	U	1
Toluene	108-88-3	ND	0.00200	mg/kg	10.20.2020 13:22	U	1
Ethylbenzene	100-41-4	ND	0.00200	mg/kg	10.20.2020 13:22	UX	1
m,p-Xylenes	179601-23-1	ND	0.00401	mg/kg	10.20.2020 13:22	UX	1
o-Xylene	95-47-6	ND	0.00200	mg/kg	10.20.2020 13:22	UX	1
Total Xylenes	1330-20-7	ND	0.00200	mg/kg	10.20.2020 13:22	U	1
Total BTEX		ND	0.00200	mg/kg	10.20.2020 13:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	115	%	70-130	10.20.2020 13:22	
1,4-Difluorobenzene	540-36-3	104	%	70-130	10.20.2020 13:22	

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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

QC Summary 675437

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Etech Environmental & Safety Solution, Inc

Romeo Fed COM 1H

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3140096 — Matrix: Solid — Date Prep: 10.19.2020
MB Sample Id: 7713521-1-BLK — LCS Sample Id: 7713521-1-BKS — LCSD Sample Id: 7713521-1-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	259	104	259	104	90-110	0	20	mg/kg	10.19.2020 19:43	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3140096 — Matrix: Soil — Date Prep: 10.19.2020
Parent Sample Id: 675404-003 — MS Sample Id: 675404-003 S — MSD Sample Id: 675404-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	551	1250	1940	111	1910	109	90-110	2	20	mg/kg	10.19.2020 21:31	X

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3140096 — Matrix: Soil — Date Prep: 10.19.2020
Parent Sample Id: 675468-001 — MS Sample Id: 675468-001 S — MSD Sample Id: 675468-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	641	248	909	108	890	100	90-110	2	20	mg/kg	10.19.2020 20:02	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3139998 — Matrix: Solid — Date Prep: 10.17.2020
MB Sample Id: 7713455-1-BLK — LCS Sample Id: 7713455-1-BKS — LCSD Sample Id: 7713455-1-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	901	90	889	89	70-130	1	20	mg/kg	10.17.2020 02:11	
Diesel Range Organics (DRO)	<50.0	1000	966	97	953	95	70-130	1	20	mg/kg	10.17.2020 02:11	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	99		115		111		70-130	%	10.17.2020 02:11
o-Terphenyl	117		115		110		70-130	%	10.17.2020 02:11

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3139998 — Matrix: Solid — Date Prep: 10.17.2020
MB Sample Id: 7713455-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	ND	mg/kg	10.17.2020 01:52	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 675437

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Etech Environmental & Safety Solution, Inc

Romeo Fed COM 1H

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3139998 Matrix: Soil Date Prep: 10.17.2020
Parent Sample Id: 675437-001 MS Sample Id: 675437-001 S MSD Sample Id: 675437-001 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)	<49.9	997	870	87	889	89	70-130	2	20	mg/kg	10.17.2020 03:07	
Diesel Range Organics (DRO)	<49.9	997	946	95	963	97	70-130	2	20	mg/kg	10.17.2020 03:07	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	108		108		70-130	%	10.17.2020 03:07
o-Terphenyl	107		107		70-130	%	10.17.2020 03:07

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3140194 Matrix: Solid Date Prep: 10.20.2020
MB Sample Id: 7713622-1-BLK LCS Sample Id: 7713622-1-BKS LCSD Sample Id: 7713622-1-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	0.116	116	0.109	109	70-130	6	35	mg/kg	10.20.2020 11:00	
Toluene	<0.00200	0.100	0.105	105	0.108	108	70-130	3	35	mg/kg	10.20.2020 11:00	
Ethylbenzene	<0.00200	0.100	0.109	109	0.102	102	70-130	7	35	mg/kg	10.20.2020 11:00	
m,p-Xylenes	<0.00400	0.200	0.226	113	0.211	106	70-130	7	35	mg/kg	10.20.2020 11:00	
o-Xylene	<0.00200	0.100	0.111	111	0.103	103	70-130	7	35	mg/kg	10.20.2020 11:00	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		100		99		70-130	%	10.20.2020 11:00
4-Bromofluorobenzene	104		101		100		70-130	%	10.20.2020 11:00

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3140194 Matrix: Soil Date Prep: 10.20.2020
Parent Sample Id: 675437-009 MS Sample Id: 675437-009 S MSD Sample Id: 675437-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0992	0.0957	96	0.0924	93	70-130	4	35	mg/kg	10.20.2020 11:41	
Toluene	<0.00198	0.0992	0.0801	81	0.0822	83	70-130	3	35	mg/kg	10.20.2020 11:41	
Ethylbenzene	<0.00198	0.0992	0.0763	77	0.0595	60	70-130	25	35	mg/kg	10.20.2020 11:41	X
m,p-Xylenes	<0.00397	0.198	0.155	78	0.119	60	70-130	26	35	mg/kg	10.20.2020 11:41	X
o-Xylene	<0.00198	0.0992	0.0764	77	0.0604	61	70-130	23	35	mg/kg	10.20.2020 11:41	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		101		70-130	%	10.20.2020 11:41
4-Bromofluorobenzene	102		105		70-130	%	10.20.2020 11:41

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, 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) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 675437

www.xenco.com Page _____ of _____

Project Manager:	Matt Green	Bill to: (if different)	
Company Name:	Etech Environmental & Safety Solutions, Inc	Company Name:	Centennial
Address:	PO Box 62228	Address:	
City, State ZIP:	Midland, Texas 79711	City, State ZIP:	
Phone:	432-563-2200	Email:	Matt@etechenv.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level I ☐ Level ☐ PST/US ☐ TRP ☐ Level ☐
Deliverables: EDD ☐ ADaPT ☐ Other: contract

Project Name:	Romeo Fed COM 1H	Turn Around	
Project Number:	12895	CONTRACT	☑
Project Location	Lea County, New Mexico	Rush:	☐
Sampler's Name:	Wesley Desilets	Due Date:	
PO #:			

SAMPLE RECEIPT				
Temperature (°C):	4.5°C	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	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	NORM (Pioneer)	Texas 11 RCRA Metals (total)	TPH SW 8015M	BTEX SW 846-8021B	HOLD for TCLP	Chlorides EPA 300
BH-1	S	10/14/2020	9:10	1'	1			X			
BH-2	S	10/14/2020	9:18	1'	1			X			X
BH-3	S	10/14/2020	9:20	1'	1			X			
BH-4	S	10/14/2020	9:27	1'	1			X			
SSW-1	S	10/14/2020	9:06	6"	1			X			
WSW-1	S	10/14/2020	9:30	6"	1			X			
Stockpile-1A	S	10/14/2020	14:00	-	1			X			X
Stockpile-2A	S	10/14/2020	14:05	-	1			X			
Stockpile-3	S	10/14/2020	14:10	-	1			X	X		X

ANALYSIS REQUEST

Preservative Codes

HNO3: HN
H2S04: H2
HCL: HL
None: NO
NaOH: Na
MeOH: Me
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Bill to Centennial

NORM TAT circle one : 7 day, **5 day**, Rush 3 day

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.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Matt Green	Bill Rhoa	10-16-20 16:00	2		
3			4		
5			6		

Revised Date101419 Rev. 2019.1

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 10.16.2020 04.00.00 PM

Work Order #: 675437

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)?	4.5	
#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**	BTEX was in bulk container
#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**	

*** 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: 10.16.2020
Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 10.19.2020
Jessica Kramer

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	NRM2023345085
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Centennial Resource Production, Inc	OGRID: 372165
Contact Name: Jamon Hohensee	Contact Telephone: 432-243-4283
Contact email: jamon.hohensee@cdevinc.com	Incident # *(assigned by OCD)*
Contact mailing address: 500 W. Illinois Ave, Suite 500, Midland Texas 79705	

Location of Release Source

Latitude 32.20919 Longitude -103.46423
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Romeo Fed Com 1H	Site Type: Oil and Gas production facility
Date Release Discovered: 8/8/20	API# *3002542999*

Unit Letter	Section	Township	Range	County
D	22	24S	34E	Lea

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

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) 6.42	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
Separator was swamped out due to kimray oil dump being stuck in the closed position. Oil filled up sales line scrubber pot then was sent to the flare. Impacted area was 400'x90' with a depth of 1/8". Assuming 100% saturation in that soil approx. 6.42bbls were released. The site was secured and the impacted material will be cleaned to state standards.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NRM2023345085
District RP	
Facility ID	
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? The fluids caught fire leaving the flare.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? An email notification was sent to Jim Griswold and OCD Dist 1 on 8/9/20.	

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: Jamon Hohensee Title: Sr. Environmental Analyst

Signature: Jamon Hohensee Date: 8/19/20

email: jamon.hohensee@cdevinc.com Telephone: 432-241-4283

OCD Only

Received by: Ramona Marcus Date: 8/20/2020

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
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?	_____ (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.

State of New Mexico
Oil Conservation Division

Incident ID	
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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☐ Description of remediation activities

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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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

Operator:	OGRID:
CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	372165
	Action Number: 20793
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
ceads	None	6/30/2021