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

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State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

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	n for the	volumes provided below)
- Oil	Volume Delegend (http://do	X 7 1	5	1/11.1.2

🛛 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.

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of	$\frac{2}{5}$ Form C-141
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Incident ID	NRM2023345085
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Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release? The fluids caught fire leaving the flare.
🛛 Yes 🗌 No	
If YES, was immediate n An email notification was	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? 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

 $\boxtimes$  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

Signature:

Title: Sr. Environmental Analyst

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?	$\underline{63}$ (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 7 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. M M Field data

 $\overline{\mathbb{Z}}$ Data table of soil contaminant concentration data

- Depth to water determination
- **NNNNN**

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 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 9.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141	State of New Mexico Oil Conservation Divisio	on	Incident ID District RP Facility ID Application ID	
regulations all operators public health or the envir failed to adequately inve addition, OCD acceptance and/or regulations. Printed Name: 5 Signature:	information given above is true and complete to are required to report and/or file certain release ronment. The acceptance of a C-141 report by t stigate and remediate contamination that pose a ce of a C-141 report does not relieve the operato whow Hohensec hohensec & chevinc. com	notifications and perform he OCD does not relieve t threat to groundwater, sur r of responsibility for com 	corrective actions for rele he operator of liability sho face water, human health ipliance with any other fec	ases which may endanger build their operations have or the environment. In deral, state, or local laws
OCD Only Received by:		Date:		

56 50 Form C-141 50 50 Form C-141 50 50 50 Form C-141

State of New Mexico Oil Conservation Division

Incident ID	
District RP	
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# **Remediation Plan**

<ul> <li>Scaled sitemap</li> <li>Estimated volu</li> <li>Closure criteria</li> <li>Proposed sched</li> </ul> Deferral Requests	ption of proposed remediation technique with GPS coordinates showing delineation me of material to be remediated is to Table 1 specifications subject to 19.12 ule for remediation (note if remediation pla Only: Each of the following items must b	5.29.12(C)(4) NMAC in timeline is more than 90 da confirmed as part of any re	request for deferral of remediation.
deconstruction.	must be in areas immediately under or arou amination must be fully delineated. does not cause an imminent risk to human l		
rules and regulation which may endange liability should the surface water, hum responsibility for co	the information given above is true and co is all operators are required to report and/or er public health or the environment. The ac r operations have failed to adequately inves an health or the environment. In addition, C ompliance with any other federal, state, or lo $\overline{aman}$ // $\overline{bhensec}$ $\overline{aman}$ // $\overline{bhensec}$ $\overline{aman}$ // $\overline{bhensec}$ $\overline{aman}$ // $\overline{bhensec}$	file certain release notification ceptance of a C-141 report by tigate and remediate contamin DCD acceptance of a C-141 re- local laws and/or regulations.	ions and perform corrective actions for rele by the OCD does not relieve the operator of nination that pose a threat to groundwater, report does not relieve the operator of
OCD Only Received by:		Date:	
Approved	Approved with Attached Condition		enied Deferral Approved
Signature:		Date:	

Released to Imaging: 6/30/2021 3:41:02 PM

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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)

A 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: <u>Samon Hohense</u>	Title:	Environmental Analyst
Signature:	Date: <u>3-/-</u>	5-21
email: jamon, hohensez Q, chevinc. com	Telephone:	132-241-4283
OCD Only		
Received by:Cristina Eads	Date: 0	3/15/2021
Closure approval by the OCD does not relieve the responsible party remediate contamination that poses a threat to groundwater, surface party of compliance with any other federal, state, or local laws and/	water, human heal	their operations have failed to adequately investigate and th, or the environment nor does not relieve the responsible
Closure Approved by:	Date:	06/30/2021
Printed Name: Cristina Eads	Title:	Environmental Specialist
Received by OCD:		
nved b		
Rece		



### 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 32.20919° North, Longitude 103.46423° 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

Sham m Engl

Shannon English, P.G. Project Manager

Hur Theen

Matthew Green, P.G. Senior Project Manager

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NMOCD SITE CLASSIFICATION	1
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SOIL DISPOSAL AND BACKFILL ACTIVITIES	2
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### FIGURES

Figure 1 – Site Location Map Figure 2 – Confirmation Soil Sample Location Map

### **TABLES**

Table 1 – Concentrations of Benzene, BTEX, TPH, and Chlorides in Soil

#### APPENDICES

Appendix A – Photographic Documentation

Appendix B – Analytical Reports

Appendix C – Release Notification and Corrective Action (Form C-141)

### **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 32.20919° North and 103.46423° 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 31<sup>st</sup> through September 2<sup>nd</sup>, 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 16<sup>th</sup>-20<sup>th</sup>, 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 16<sup>th</sup>-20<sup>th</sup> and 23<sup>rd</sup>, 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.

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### 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





#### 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

				METHODS:	SW 846-80211		re reported in mg/K	0	М	ETHOD: SW 801	5M		E 300.0
SAMPLE LOCATION	SAMPLE DATE	BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C <sub>6</sub> -C <sub>12</sub>	<b>TPH DRO</b> C <sub>12</sub> -C <sub>28</sub>	<b>TPH ORO</b> C <sub>28</sub> -C <sub>35</sub>	ТОТАL ТРН С <sub>6</sub> -С <sub>35</sub>	CHLORIDE
Limits		10 mg/Kg						50 mg/Kg				100 mg/Kg	600 mg/Kg
						Bottom Hole S	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	<u>569.6</u>	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 Sa	mple 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	<mark>8,094</mark>	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 Sa	mple 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

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#### 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

				METHODS:	SW 846-8021I	3		METHOD: SW 8015M					
SAMPLE LOCATION	ON SAMPLE DATE BENZE		TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C <sub>6</sub> -C <sub>12</sub>	TPH DRO C <sub>12</sub> -C <sub>28</sub>	TPH ORO C <sub>28</sub> -C <sub>35</sub>	ТОТАL ТРН С <sub>6</sub> -С <sub>35</sub>	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





### Photographic Documentation





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### Photographic Documentation





Project Id:

**Project Location:** 

**Contact:** 

eurofins Environment Testing Xenco

12895

Matthew Green

Lea County, New Mexico

## Certificate of Analysis Summary 672115

Etech Environmental & Safety Solution, Inc, Midland, TX

#### Project Name: Romeo Fed COM 1H

**Date Received in Lab:** Wed 09.09.2020 12:30

**Report Date:** 09.14.2020 12:40

Project Manager: Jessica Kramer

	Lab Id:	672115-0	001	672115-0	02	672115-0	003	672115-	004	672115-0	005	672115-0	06
Analysis Requested	Field Id:	BH-1		BH-2		BH-3		BH-4		BH-5		BH-6	
Analysis Requested	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	112	0.00200	ND	0.00199	ND	0.00199	ND	0.00202	ND	0.00200
Toluene		ND ND	0.00202	112	0.00200	ND	0.00199	ND	0.00199	ND	0.00202	ND	0.00200
Ethylbenzene	Ethylbenzene		0.00202	112	0.00200	ND	0.00199	ND	0.00199	ND	0.00202	ND	0.00200
m,p-Xylenes		ND	0.00404	112	0.00400	ND	0.00398	ND	0.00398	ND	0.00403	ND	0.00401
o-Xylene		ND	0.00202	112	0.00200	ND	0.00199	ND	0.00199	ND	0.00202	ND	0.00200
Total Xylenes		ND	0.00202	ПВ	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		09.10.2020 14:45 09.10.2020 14		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

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

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Project Id:

**Project Location:** 

**Contact:** 

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12895

Matthew Green

Lea County, New Mexico

## Certificate of Analysis Summary 672115

Etech Environmental & Safety Solution, Inc, Midland, TX

#### Project Name: Romeo Fed COM 1H

Date Received in Lab: Wed 09.09.2020 12:30

**Report Date:** 09.14.2020 12:40

Project Manager: Jessica Kramer

	Lab Id:	672115-0	07	672115-0	08	672115-0	009	672115-0	010	672115-0	011	672115-0	12
Analysis Requested	Field Id:	BH-7		NSW-1		SSW-1		ESW-1		ESW-2		WSW-1	
Analysis Requested	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	112	0.00200	ND	0.00200	ND	0.00198	ND	0.00199	ND	0.00202
Toluene		ND	0.00199	112	0.00200	ND	0.00200	ND	0.00198	ND	0.00199	ND	0.00202
Ethylbenzene	Ethylbenzene		0.00199	112	0.00200	ND	0.00200	ND	0.00198	ND	0.00199	ND	0.00202
m,p-Xylenes		ND	0.00398	ПВ	0.00399	ND	0.00400	ND	0.00396	ND	0.00398	ND	0.00404
o-Xylene		ND	0.00199	112	0.00200	ND	0.00200	ND	0.00198	ND	0.00199	ND	0.00202
Total Xylenes		ND	0.00199	ПВ	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		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

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

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Project Id:

**Project Location:** 

**Contact:** 

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12895

Matthew Green

Lea County, New Mexico

## Certificate of Analysis Summary 672115

Etech Environmental & Safety Solution, Inc, Midland, TX

#### Project Name: Romeo Fed COM 1H

**Date Received in Lab:** Wed 09.09.2020 12:30

**Report Date:** 09.14.2020 12:40

Project Manager: Jessica Kramer

	Lab Id:	672115-0	13	672115-0	14	672115-0	015		
Analysis Requested	Field Id:	WSW-2	2	Stockpile	e 1	Stockpile	2		
Analysis Kequesieu	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	1.12	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

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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)

Xenco

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,

fession kenner

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

eurofins Environment Testing Xenco

### **CASE NARRATIVE**

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

#### Environment Testi Xenco

## Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id: <b>BH-1</b> Lab Sample Id: 672115-001		Matrix: Date Col	Soil lected: 09.04	.2020 08:30		Date Received:09.09 Sample Depth: 6 In	9.2020 12:	:30
Analytical Method: Chloride by EP	PA 300					Prep Method: E300	)P	
Tech: CHE						% Moisture:		
Analyst: CHE		Date Pre	n: 09.10	.2020 14:45		Basis: Wet	Weight	
Seq Number: 3136913		2	P.				e	
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 SW801	15 Mod					Prep Method: SW8	8015P	
Analytical Method: TPH by SW801 Tech: DVM Analyst: ARM Seq Number: 3136787	15 Mod	Date Pre	p: 09.09	.2020 15:00		% Moisture:	8015P Weight	
Tech: DVM Analyst: ARM	15 Mod Cas Number	Date Pre	p: 09.09 <b>RL</b>	.2020 15:00		% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3136787			F -	2.2020 15:00		% Moisture: Basis: Wet	Weight	<b>Dil</b>
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter	Cas Number	Result	RL	2.2020 15:00	Units	% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	<b>Result</b> ND	RL 50.0	.2020 15:00	Units mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 03:56	Weight Flag	1
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	Result ND 574	RL 50.0 50.0	2.2020 15:00	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 03:56 09.10.2020 03:56	Weight Flag	1
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result ND 574 76.6 651	RL 50.0 50.0 50.0	0.2020 15:00 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Maalysis Date 09.10.2020 03:56 09.10.2020 03:56 09.10.2020 03:56 09.10.2020 03:56	Weight Flag	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total TPH	<b>Cas Number</b> PHC610 C10C28DRO PHCG2835 PHC635	Result ND 574 76.6 651	RL 50.0 50.0 50.0 50.0 50.0		Units mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Maalysis Date 09.10.2020 03:56 09.10.2020 03:56 09.10.2020 03:56 09.10.2020 03:56 09.10.2020 03:56 Maalysis Date	Weight Flag UF	1 1 1

#### Environment Testi Xenco

# Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id: BH-	1	Matrix:	Soil	Date Received	1:09.09.2020 12:	:30
Lab Sample Id: 672	15-001	Date Collected	1:09.04.2020 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: 3136	744					
Parameter	Cas Number	Result RI	T	nite Analysis D	ata Flag	Бі

Parameter	Cas Numbe	r Kesult	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		

## Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id: <b>BH-2</b> Lab Sample Id: 672115-002		Matrix: Date Col	Soil llected: 09.04	.2020 08:40		Date Received:09.09 Sample Depth: 6 In	9.2020 12	:30
Analytical Method: Chloride by EP	A 300					Prep Method: E300	OP	
Tech: CHE						% Moisture:		
Analyst: CHE		Date Pre	p: 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 Matheds TDU by SW901	15 Mad					Drog Mathedu SWG	20150	
Analytical Method: TPH by SW801 Tech: DVM Analyst: ARM Seq Number: 3136787	15 Mod	Date Pre	ep: 09.09	.2020 15:00		Prep Method: SW8 % Moisture: Basis: Wet	3015P Weight	
Tech: DVM Analyst: ARM	15 Mod Cas Number	Date Pre <b>Result</b>	p: 09.09 <b>RL</b>	.2020 15:00	Units	% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3136787			r.	.2020 15:00	Units mg/kg	% Moisture: Basis: Wet	Weight	<b>Dil</b>
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter	Cas Number	Result	RL	.2020 15:00		% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	<b>Result</b> ND	RL 50.0	.2020 15:00	mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 05:02	Weight Flag	1
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	Result ND 512	RL 50.0 50.0	.2020 15:00	mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 05:02 09.10.2020 05:02	Weight Flag	1
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result ND 512 57.6 570	RL 50.0 50.0 50.0	.2020 15:00 Units	mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 05:02 09.10.2020 05:02 09.10.2020 05:02 09.10.2020 05:02	Weight Flag	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total TPH	<b>Cas Number</b> PHC610 C10C28DRO PHCG2835 PHC635	Result ND 512 57.6 570	RL 50.0 50.0 50.0 50.0 50.0		mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 05:02 09.10.2020 05:02 09.10.2020 05:02 09.10.2020 05:02 09.10.2020 05:02	Weight Flag UF Flag	1 1 1

# Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id: BH-2		Matrix:	Soil	Date Receiv	ved:09.09.2020 12	:30
Lab Sample Id: 6721	5-002	Date Collected	1:09.04.2020 08:40	Sample Dep	oth: 6 In	
Analytical Method:	BTEX by EPA 8021B			Prep Metho	d: SW5035A	
Tech: AMF				% Moisture	:	
Analyst: AMF		Date Prep:	09.09.2020 15:00	Basis:	Wet Weight	
Seq Number: 31366	78					
Parameter	Cas Number	Result BI	,	Unite Analysis	Data Flag	Di

Parameter	Cas Numbe	r 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		

#### Xenco

## Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:         BH-3           Lab Sample Id:         672115-003		Matrix: Date Col	Soil llected: 09.04	.2020 08:45		Date Received:09.09 Sample Depth: 6 In	9.2020 12	:30
Analytical Method: Chloride by EP	A 300					Prep Method: E300	OP	
Tech: CHE						% Moisture:		
Analyst: CHE		Date Pre	p: 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 Mathed: TDH by SW801	15 Mod					Prap Mathod: SW8	20150	
Analytical Method: TPH by SW801 Tech: DVM Analyst: ARM Seq Number: 3136787	15 Mod	Date Pre	p: 09.09	2.2020 15:00		Prep Method: SW8 % Moisture: Basis: Wet	3015P Weight	
Tech: DVM Analyst: ARM	15 Mod Cas Number	Date Pre <b>Result</b>	p: 09.09 <b>RL</b>	2.2020 15:00	Units	% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3136787			F .	2.2020 15:00	Units mg/kg	% Moisture: Basis: Wet	Weight	<b>Dil</b>
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter	Cas Number	Result	RL	.2020 15:00		% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	<b>Result</b> ND	RL 49.9	2.2020 15:00	mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 05:24	Weight Flag	1
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	Result ND 410	<b>RL</b> 49.9 49.9	2.2020 15:00	mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 05:24 09.10.2020 05:24	Weight Flag	1
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result ND 410 58.6 469	<b>RL</b> 49.9 49.9 49.9	0.2020 15:00 Units	mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 05:24 09.10.2020 05:24 09.10.2020 05:24 09.10.2020 05:24	Weight Flag	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result ND 410 58.6 469	<b>RL</b> 49.9 49.9 49.9 49.9 49.9		mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Maalysis Date 09.10.2020 05:24 09.10.2020 05:24 09.10.2020 05:24 09.10.2020 05:24 09.10.2020 05:24	Weight Flag UF Flag	1 1 1

# Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id: <b>BH-3</b> Lab Sample Id:672115-003	Matrix: Soil Date Collected: 09.04.2	Date Received:09.09.2020 12:30           2020 08:45         Sample Depth: 6 In
Analytical Method:BTEX by EPA 8021BTech:AMFAnalyst:AMFSeq Number:3136678	Date Prep: 09.09.2	Prep Method: SW5035A % Moisture: 2020 15:00 Basis: Wet Weight

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

#### Xenco

## Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id: <b>BH-4</b> Lab Sample Id: 672115-004		Matrix: Date Coll	Soil lected: 09.04	.2020 08:51		Date Received:09.09 Sample Depth: 6 In	9.2020 12	:30
Analytical Method: Chloride by EP	PA 300					Prep Method: E300	)P	
Tech: CHE						% Moisture:		
Analyst: CHE		Date Prep	p: 09.10	.2020 14:45		Basis: Wet	Weight	
Seq Number: 3136913							U	
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 SW80	15 Mod					Prep Method: SW8	8015P	
Analytical Method:TPH by SW80.Tech:DVMAnalyst:ARMSeq Number:3136787	15 Mod	Date Prep	o: 09.09	.2020 15:00		% Moisture:	8015P Weight	
Tech: DVM Analyst: ARM	15 Mod Cas Number	Date Prep Result	p: 09.09 <b>RL</b>	.2020 15:00	Units	% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3136787		1		.2020 15:00	Units mg/kg	% Moisture: Basis: Wet	Weight	<b>Dil</b>
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter	Cas Number	Result	RL	.2020 15:00		% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result ND	<b>RL</b> 49.9	.2020 15:00	mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 05:46	Weight Flag	1
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	Result ND 110	<b>RL</b> 49.9 49.9	.2020 15:00	mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 05:46 09.10.2020 05:46	Weight Flag UF	1
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result ND 110 ND 110	<b>RL</b> 49.9 49.9 49.9	.2020 15:00 Units	mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 05:46 09.10.2020 05:46 09.10.2020 05:46 09.10.2020 05:46	Weight Flag UF	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total TPH	<b>Cas Number</b> PHC610 C10C28DRO PHCG2835 PHC635	Result ND 110 ND 110	<b>RL</b> 49.9 49.9 49.9 49.9 49.9		mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 05:46 09.10.2020 05:46 09.10.2020 05:46 09.10.2020 05:46	Weight Flag UF U Flag	1 1 1
# Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	BH-4		Matrix:	Soil		Date Received	1:09.09.20	20 12:3	0
Lab Sample I	d: 672115-004		Date Collecte	d: 09.04.2020 08:51		Sample Depth	:6 In		
Analytical Mo	ethod: BTEX by EPA 802	21B				Prep Method:	SW5035	A	
Tech:	AMF					% Moisture:			
Analyst:	AMF		Date Prep:	09.09.2020 15:00		Basis:	Wet Wei	ight	
Seq Number:	3136678								
Parameter		Cas Number	Result RI	,	Units	Analysis D	ate Fl	ag	Di

Parameter	Cas Numbe	r 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		

## Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id: <b>BH-5</b> Lab Sample Id: 672115-005		Matrix: Date Coll	Soil ected: 09.04.2	2020 09:00		Date Received:09.09 Sample Depth: 6 In	9.2020 12:	30
Analytical Method: Chloride by EP Tech: CHE	PA 300					Prep Method: E300 % Moisture:	)P	
Analyst: CHE		Date Prep	: 09.10.2	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 SW80	15 Mod					Prep Method: SW8	3015P	
Analytical Method: TPH by SW80 Tech: DVM Analyst: ARM Seq Number: 3136787	15 Mod	Date Prep	: 09.09.1	2020 15:00		% Moisture:	3015P Weight	
Tech: DVM Analyst: ARM	15 Mod Cas Number	Ĩ	: 09.09.1 RL	2020 15:00		% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter		Ĩ	•	2020 15:00		% Moisture: Basis: Wet	Weight	<b>Dil</b>
Tech: DVM Analyst: ARM Seq Number: 3136787	Cas Number	Result	RL	2020 15:00	Units	% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610	Result ND	<b>RL</b> 49.8	2020 15:00	Units mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 06:08	Weight Flag UF	1
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610 C10C28DRO	Result ND ND	<b>RL</b> 49.8 49.8	2020 15:00	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 06:08 09.10.2020 06:08	Weight Flag UF U	1
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result ND ND ND ND	RL 49.8 49.8 49.8	2020 15:00 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 06:08 09.10.2020 06:08 09.10.2020 06:08 09.10.2020 06:08	Weight Flag UF U U	1 1 1

95

%

70-130

09.10.2020 06:08

84-15-1

o-Terphenyl

# Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	BH-5		Matrix:	Soil		Date Receive	d:09.09.2	2020 12:3	30
Lab Sample I	d: 672115-005		Date Collecte	d: 09.04.2020 09:00		Sample Depth	n: 6 In		
Analytical Me	ethod: BTEX by EPA 80	21B				Prep Method:	SW503	35A	
Tech:	AMF					% Moisture:			
Analyst:	AMF		Date Prep:	09.09.2020 15:00		Basis:	Wet W	eight	
Seq Number:	3136678								
Parameter		Cas Number	Result RI		Unite	Analysis D	oto	Flag	D:I

Parameter	Cas Numbe	r 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		

Romeo Fed COM 1H

Sample Id: <b>BH-6</b> Lab Sample Id: 672115-006		Matrix: Date Coll	Soil lected: 09.04.2	2020 09:05		Date Received:09.0 Sample Depth: 6 In		.50
Analytical Method: Chloride by EF	PA 300					Prep Method: E30	0P	
Tech: CHE						% Moisture:		
Analyst: CHE		Date Prep	o: 09.10.2	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 SW80	15 Mod					Prep Method: SW	8015P	
Tech: DVM Analyst: ARM	15 Mod	Date Prep	p: 09.09.2	2020 15:00		% Moisture:	8015P : Weight	
Tech: DVM	15 Mod Cas Number	Date Prep <b>Result</b>	o: 09.09.2 RL	2020 15:00		% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3136787				2020 15:00		% Moisture: Basis: Wet	t Weight	<b>Dil</b>
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter	Cas Number	Result	RL	2020 15:00	Units	Moisture: Basis: Wet	t Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	<b>Result</b> ND	RL 50.0	2020 15:00	Units mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 06:30	t Weight Flag	1
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	Result ND 84.4	<b>RL</b> 50.0 50.0	2020 15:00	Units mg/kg mg/kg	A         Moisture:           Basis:         Wet           Analysis Date         09.10.2020 06:30           09.10.2020 06:30         09.10.2020 06:30	t Weight Flag UF	1
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result ND 84.4 ND 84.4	RL 50.0 50.0 50.0	2020 15:00 Units	Units mg/kg mg/kg mg/kg	A         Moisture:           Basis:         Wet           Analysis Date         09.10.2020 06:30           09.10.2020 06:30         09.10.2020 06:30           09.10.2020 06:30         09.10.2020 06:30           09.10.2020 06:30         09.10.2020 06:30	t Weight Flag UF	1 1 1

94

%

70-130

09.10.2020 06:30

84-15-1

o-Terphenyl

# Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id: <b>BH-6</b> Lab Sample Id: 672115-006	Matrix: Soil Date Collected: 09.04.2020 09	Date Received:09.09.2020 12:30 Sample Depth: 6 In
Analytical Method: BTEX by EPA 8021B	Date Conected. 09.04.2020 05	Prep Method: SW5035A
Tech: AMF		% Moisture:
Analyst: AMF	Date Prep: 09.09.2020 15	5:00 Basis: Wet Weight
Seq Number: 3136678		

Parameter	Cas Numbe	r 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		

## Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id: <b>BH-7</b> Lab Sample Id: 672115-007		Matrix: Date Col	Soil lected: 09.04.	.2020 09:04		Date Received:09.09 Sample Depth: 6 In	9.2020 12:	.30
Analytical Method: Chloride by EI	PA 300					Prep Method: E300	OP	
Tech: CHE						% Moisture:		
Analyst: CHE		Date Pre	p: 09.10.	.2020 14:45		Basis: Wet	Weight	
Seq Number: 3136913							0	
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 SW80	15 Mod					Prep Method: SW8	3015P	
Tech: DVM Analyst: ARM	15 Mod	Date Pre	p: 09.09.	.2020 15:00		% Moisture:	8015P Weight	
Tech: DVM	15 Mod Cas Number	Date Pre <b>Result</b>	p: 09.09. <b>RL</b>	.2020 15:00		% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3136787				.2020 15:00		% Moisture: Basis: Wet	Weight	<b>Dil</b>
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter	Cas Number	Result	RL	.2020 15:00	Units	% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610	<b>Result</b> ND	RL 49.9	.2020 15:00	Units mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 06:52	Weight Flag UF	1
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610 C10C28DRO	<b>Result</b> ND ND	<b>RL</b> 49.9 49.9	.2020 15:00	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 06:52 09.10.2020 06:52	Weight Flag UF U	1
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result ND ND ND ND	<b>RL</b> 49.9 49.9 49.9 49.9	.2020 15:00 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 06:52 09.10.2020 06:52 09.10.2020 06:52 09.10.2020 06:52	Weight Flag UF U U	1 1 1

92

%

70-130

09.10.2020 06:52

84-15-1

o-Terphenyl

Romeo Fed COM 1H

Sample Id: <b>BH-</b>		Matrix:	Soil	Date Received	:09.09.2020 12:30
Lab Sample Id: 6721		Date Collected	: 09.04.2020 09:04	Sample Depth	: 6 In
-	BTEX by EPA 8021B	Date Prep:	09.09.2020 15:00	Prep Method: % Moisture: Basis:	

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

Romeo Fed COM 1H

Sample Id: NSW-1 Lab Sample Id: 672115-008		Matrix: Date Colle	Soil cted: 09.04.2020 08:05		Date Received:09. Sample Depth: 6 In		::30
Analytical Method: Chloride by EF	PA 300				Prep Method: E3	00P	
Tech: CHE					% Moisture:		
Analyst: CHE		Date Prep:	09.10.2020 14:45		Basis: We	t 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 SW80 Tech: DVM Analyst: ARM Seq Number: 3136787	15 Mod	Date Prep:	09.09.2020 15:00		Prep Method: SW % Moisture: Basis: We	78015P et Weight	
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

otai	IFN	PHC055	INL	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		

# 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 8021BTech:AMFAnalyst:AMFSeq Number:3136678	Date Prep: 09.09.2020 15:00	Prep Method: SW5035A % Moisture: Basis: Wet Weight

Parameter	Cas Numbe	r 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		

Romeo Fed COM 1H

Sample Id: SSW-1 Lab Sample Id: 672115-009	Matrix: Date Coll	Matrix: Soil Date Collected: 09.04.2020 08:10			Date Received:09.09.2020 12:30 Sample Depth: 6 In			
Analytical Method: Chloride by EP	PA 300					Prep Method: E300	OP	
Tech: CHE						% Moisture:		
Analyst: CHE		Date Prep	o <sup>.</sup> 09.10	.2020 14:45		Basis: Wet	Weight	
Seq Number: 3136913		Duterrep					6	
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 SW80	15 Mod					Prep Method: SW8	3015P	
Analytical Method: TPH by SW80 Tech: DVM Analyst: ARM Seq Number: 3136787	15 Mod	Date Prep	o: 09.09	.2020 15:00		% Moisture:	3015P Weight	
Tech:DVMAnalyst:ARMSeq Number:3136787	15 Mod Cas Number	Date Prep Result	p: 09.09 <b>RL</b>	.2020 15:00		% Moisture:		Dil
Tech: DVM Analyst: ARM				9.2020 15:00		% Moisture: Basis: Wet	Weight	<b>Dil</b>
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter	Cas Number	Result	RL	2.2020 15:00	Units	% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result ND	<b>RL</b> 49.9	.2020 15:00	Units mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 09:37	Weight Flag	1
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	Result ND 7800	<b>RL</b> 49.9 49.9	2.2020 15:00	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 09:37 09.10.2020 09:37	Weight Flag	1
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result ND 7800 294 8090	<b>RL</b> 49.9 49.9 49.9	0.2020 15:00 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 09:37 09.10.2020 09:37 09.10.2020 09:37 09.10.2020 09:37	Weight Flag	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total TPH	<b>Cas Number</b> PHC610 C10C28DRO PHCG2835 PHC635	Result ND 7800 294 8090	<b>RL</b> 49.9 49.9 49.9 49.9 49.9		Units mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 09:37 09.10.2020 09:37 09.10.2020 09:37 09.10.2020 09:37 09.10.2020 09:37	Weight Flag UF	1 1 1

# 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 Tech: AMF		Prep Method: SW5035A % Moisture:
Analyst: AMF Seq Number: 3136678	Date Prep: 09.09.2020 15:	00 Basis: Wet Weight
1		

Parameter	Cas Numbe	er 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		

Romeo Fed COM 1H

Sample Id: <b>ESW-1</b> Lab Sample Id: 672115-010	Matrix: Date Colle	Soil ected: 09.04.2020 08:15		Date Received:09.09.2020 12:30 Sample Depth: 6 In			
Analytical Method: Chloride by El Tech: CHE					Prep Method: E30 % Moisture:	0P	
1 mary sti		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
Tech:DVMAnalyst:ARMSeq Number:3136787		Date Prep:	09.09.2020 15:00		% Moisture: Basis: Wet	Weight	
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
	1110000			00		-	1
Surrogate		as Number %	Recovery Units	Limit	s Analysis Date	Flag	-

87

83

%

%

70-130

70-130

111-85-3

84-15-1

1-Chlorooctane

o-Terphenyl

.

09.10.2020 09:59

09.10.2020 09:59

# 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 8021BTech:AMFAnalyst:AMFSeq Number:3136678	Date Prep: 09.09.2020 15:00	Prep Method: SW5035A % Moisture: Basis: Wet Weight

Parameter	Cas Numbe	r 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		

Romeo Fed COM 1H

Sample Id:ESW-2Lab Sample Id:672115-011	Matrix: Date Collec	Soil cted: 09.04.2020 08:20		Date Received:09.09.2020 12:30 Sample Depth: 6 In			
Analytical Method: Chloride by EF Tech: CHE	PA 300				Prep Method: E300 % Moisture:	0P	
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 SW80	15 Mod				Pren Method SWS	8015P	
Analytical Method:TPH by SW80Tech:DVMAnalyst:ARMSeq Number:3136787	15 Mod	Date Prep:	09.09.2020 15:00		Prep Method: SW8 % Moisture: Basis: Wet	8015P Weight	
Tech:DVMAnalyst:ARMSeq Number:3136787	15 Mod Cas Number	·	09.09.2020 15:00 RL	Units	% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter		·		Units mg/kg	% Moisture: Basis: Wet	Weight	<b>Dil</b> 1
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number	Result	RL		% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610	Result	RL 50.0	mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 10:20	Weight Flag UF	
Tech: DVM Analyst: ARM	Cas Number PHC610 C10C28DRO	Result ND ND	<b>RL</b> 50.0 50.0	mg/kg mg/kg	% Moisture:           Basis:         Wet           Analysis Date           09.10.2020 10:20           09.10.2020 10:20	Weight Flag UF U	1

93

90

%

%

70-130

70-130

09.10.2020 10:20

09.10.2020 10:20

111-85-3

84-15-1

1-Chlorooctane

o-Terphenyl

Romeo Fed COM 1H

Sample Id:	ESW-2		Matrix:	Soil		Date Receive	d:09.09.2	2020 12:	30
Lab Sample Io	d: 672115-011		Date Collecte	d: 09.04.2020 08:20		Sample Depth	n: 6 In		
Analytical Me	ethod: BTEX by EPA 80	21B				Prep Method:	SW503	35A	
Tech:	AMF					% Moisture:			
Analyst:	AMF		Date Prep:	09.09.2020 15:00		Basis:	Wet W	eight	
Seq Number:	3136678								
Parameter		Cas Number	Result RI		Unite	Analysis D	oto	Flog	D:I

Parameter	Cas Numbe	r 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		

Romeo Fed COM 1H

Sample Id: WSW-1 Lab Sample Id: 672115-012		Matrix: Date Colle	Matrix: Soil Date Collected: 09.04.2020 08:22			Date Received:09.09.2020 12:30 Sample Depth: 6 In			
Analytical Method: Chloride by EP	PA 300					Prep Method: E300	OP		
Tech: CHE						% Moisture:			
Analyst: CHE		Date Prep	. 09.10	.2020 14:45		Basis: Wet	Weight		
Seq Number: 3136913		Ĩ							
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 SW80	15 Mod					Prep Method: SW8	3015P		
Analytical Method:TPH by SW80Tech:DVMAnalyst:ARMSeq Number:3136787	15 Mod	Date Prep	: 09.09	2.2020 15:00		% Moisture:	3015P Weight		
Tech: DVM Analyst: ARM	15 Mod Cas Number	Date Prep <b>Result</b>	: 09.09 <b>RL</b>	.2020 15:00		% Moisture:		Dil	
Tech:DVMAnalyst:ARMSeq Number:3136787		-		2.2020 15:00		% Moisture: Basis: Wet	Weight	<b>Dil</b>	
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter	Cas Number	Result	RL	.2020 15:00	Units	<ul> <li>Moisture:</li> <li>Basis: Wet</li> <li>Analysis Date</li> </ul>	Weight Flag		
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result	<b>RL</b> 50.0	2.2020 15:00	Units mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 10:42	Weight Flag	1	
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	Result ND 103	<b>RL</b> 50.0 50.0	9.2020 15:00	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 10:42 09.10.2020 10:42	Weight Flag UF	1	
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result ND 103 ND 103	<b>RL</b> 50.0 50.0 50.0	0.2020 15:00 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 10:42 09.10.2020 10:42 09.10.2020 10:42 09.10.2020 10:42	Weight Flag UF	1 1 1	
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result ND 103 ND 103	<b>RL</b> 50.0 50.0 50.0 50.0		Units mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 10:42 09.10.2020 10:42 09.10.2020 10:42 09.10.2020 10:42	Weight Flag UF U Flag	1 1 1	

# Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	WSW-1		Matrix:	Soil		Date Received	1:09.09	.2020 12:	30	
Lab Sample I	Lab Sample Id: 672115-012			Date Collected: 09.04.2020 08:22			Sample Depth: 6 In			
Analytical Me	ethod: BTEX by EPA 802	21B				Prep Method:	SW50	)35A		
Tech:	KTL					% Moisture:				
Analyst:	KTL		Date Prep:	09.10.2020 17:00		Basis:	Wet V	Weight		
Seq Number:	3136921									
Parameter		Cas Number	Result RI	,	Units	Analysis D	ate	Flag	Dil	

Parameter	Cas Numbe	r 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		

Romeo Fed COM 1H

Sample Id: WSW-2 Lab Sample Id: 672115-013		Matrix: Date Colle	Soil ected: 09.04.2020 08:25		Date Received:09.09.2020 12:30 Sample Depth: 6 In		
Analytical Method: Chloride by EF	PA 300				Prep Method: E300	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 SW80	15 Mod				Prep Method: SW8	015P	
Tech: DVM Analyst: ARM	15 Mod	Date Prep	: 09.09.2020 15:00		% Moisture:	015P Weight	
Tech: DVM	15 Mod Cas Number	Date Prep <b>Result</b>	c 09.09.2020 15:00 RL	Units	% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter				Units mg/kg	% Moisture: Basis: Wet	Weight	<b>Dil</b>
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number	Result	RL		% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610	Result	<b>RL</b> 49.9	mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 11:04	Weight Flag	1
Tech: DVM Analyst: ARM Seq Number: 3136787	Cas Number PHC610 C10C28DRO	Result ND 62.4	<b>RL</b> 49.9 49.9	mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 11:04 09.10.2020 11:04	Weight Flag UF	1 1
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result ND 62.4 ND 62.4	<b>RL</b> 49.9 49.9 49.9	mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 11:04 09.10.2020 11:04 09.10.2020 11:04 09.10.2020 11:04	Weight Flag UF	1 1 1

97

%

70-130

09.10.2020 11:04

84-15-1

o-Terphenyl

### **Certificate of Analytical Results 672115**

# Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	WSW-2		Matrix:	Soil	Date Receive	ed:09.09.2020 12	:30	
Lab Sample I	Lab Sample Id: 672115-013			d: 09.04.2020 08:25	Sample Dept	Sample Depth: 6 In		
Analytical M	ethod: BTEX by EPA 802	1B			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 RI		Unite Analysis I	)ətə Flan	Dil	

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		

Romeo Fed COM 1H

Sample Id: Stockpile 1 Lab Sample Id: 672115-014	-			.2020 09:15		Date Received:09.09.2020 12:30			
Analytical Method: Chloride by EP Tech: CHE	A 300					Prep Method: E300 % Moisture:	)P		
Analyst: CHE		Date Prep	: 09.10	.2020 14:45			Weight		
Seq Number: 3136913		r	-				U		
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 SW801 Tech: DVM Analyst: ARM Seq Number: 3136787	5 Mod	Date Prep	: 09.09	2.2020 15:00		Prep Method: SW8 % Moisture: Basis: Wet	3015P Weight		
Tech: DVM Analyst: ARM	5 Mod Cas Number	Date Prep <b>Result</b>	: 09.09 <b>RL</b>	.2020 15:00	Units	% Moisture:		Dil	
Tech:DVMAnalyst:ARMSeq Number:3136787			-	2.2020 15:00	Units mg/kg	% Moisture: Basis: Wet	Weight	<b>Dil</b>	
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter	Cas Number	Result	RL	9.2020 15:00		<ul> <li>Moisture:</li> <li>Basis: Wet</li> <li>Analysis Date</li> </ul>	Weight Flag		
Tech:DVMAnalyst:ARMSeq Number:3136787ParameterGasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result ND	<b>RL</b> 50.0	.2020 15:00	mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 11:25	Weight Flag	1	
Tech:DVMAnalyst:ARMSeq Number:3136787ParameterGasoline Range Hydrocarbons (GRO)Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	Result ND 2110	<b>RL</b> 50.0 50.0	2.2020 15:00	mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 11:25 09.10.2020 11:25	Weight Flag	1	
Tech:DVMAnalyst:ARMSeq Number:3136787ParameterGasoline Range Hydrocarbons (GRO)Diesel Range Organics (DRO)Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result ND 2110 283 2390	<b>RL</b> 50.0 50.0 50.0	0.2020 15:00 Units	mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 11:25 09.10.2020 11:25 09.10.2020 11:25 09.10.2020 11:25	Weight Flag	1 1 1	
Tech:DVMAnalyst:ARMSeq Number:3136787ParameterGasoline Range Hydrocarbons (GRO)Diesel Range Organics (DRO)Motor Oil Range Hydrocarbons (MRO)Total TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635 Ca	Result ND 2110 283 2390	<b>RL</b> 50.0 50.0 50.0 50.0		mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 11:25 09.10.2020 11:25 09.10.2020 11:25 09.10.2020 11:25	Weight Flag UF	1 1 1	

Romeo Fed COM 1H

Sample Id:	· ·		Matrix:	Soil		Date Received:09	9.09.2020 12	:30
Lab Sample Id: 672115-014		Date Co	llected: 09.04.2020 09:1	5				
Analytical Me	ethod: BTEX by EPA	3021B				Prep Method: S	W5035A	
Tech:	AMF					% Moisture:		
Analyst:	AMF		Date Pre	ep: 09.09.2020 15:0	0	Basis: W	et 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	5 U	1
Toluene		108-88-3	ND	0.00199	mg/kg	09.09.2020 15:15	5 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		

Romeo Fed COM 1H

Sample Id:Stockpile 2Lab Sample Id:672115-015	Matrix: Date Colle	Soil ected: 09.04	.2020 09:20	Date Received:09.09.2020 12:30				
Analytical Method: Chloride by EP Tech: CHE	PA 300					Prep Method: E300 % Moisture:	0P	
Analyst: CHE Seq Number: 3136913		Date Prep	: 09.10	.2020 14:45		Basis: Wet	Weight	
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 SW80Tech:DVMAnalyst:ARMSeq Number:3136787	15 Mod	Date Prep	: 09.09	2.2020 15:00		Prep Method: SW8 % Moisture: Basis: Wet	3015P Weight	
Tech: DVM Analyst: ARM	15 Mod Cas Number	Date Prep Result	: 09.09 <b>RL</b>	.2020 15:00		% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3136787			• • • • • • •	2.2020 15:00		% Moisture: Basis: Wet	Weight	<b>Dil</b>
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number	Result	RL	9.2020 15:00	Units	Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result	RL 50.0	.2020 15:00	Units mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 11:47	Weight Flag	1
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	Result ND 152	<b>RL</b> 50.0 50.0	9.2020 15:00	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 11:47 09.10.2020 11:47	Weight Flag UF	1
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	<b>Cas Number</b> PHC610 C10C28DRO PHCG2835 PHC635	Result ND 152 ND 152	<b>RL</b> 50.0 50.0 50.0	0.2020 15:00 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 11:47 09.10.2020 11:47 09.10.2020 11:47 09.10.2020 11:47	Weight Flag UF	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3136787 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total TPH	<b>Cas Number</b> PHC610 C10C28DRO PHCG2835 PHC635	Result ND 152 ND 152	<b>RL</b> 50.0 50.0 50.0 50.0 50.0		Units mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.10.2020 11:47 09.10.2020 11:47 09.10.2020 11:47 09.10.2020 11:47 Mnalysis Date	Weight Flag UF U Flag	1 1 1

### **Certificate of Analytical Results 672115**

# Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:	1	Matrix:	Soil		Date Received:09.	.09.2020 12	2:30	
Lab Sample I	Lab Sample Id: 672115-015		Date Co	llected: 09.04.2020 09	:20			
Analytical Me	ethod: BTEX by EP.	A 8021B				Prep Method: SW	V5035A	
Tech:	AMF					% Moisture:		
Analyst:	AMF		Date Pre	ep: 09.09.2020 15	:00	Basis: We	et 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	mo/ko	09 09 2020 15:35	U	1

Tolu	uene	108-88-3	ND	0.00200		mg/kg	09.09.2020 15:35	U	1	
Ethy	ylbenzene	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-X	ylene	95-47-6	ND	0.00200		mg/kg	09.09.2020 15:35	U	1	
Tota	al Xylenes	1330-20-7	ND	0.00200		mg/kg	09.09.2020 15:35	U	1	
Tota	al 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**

- **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.

<b>BRL</b> Below Reporting Limit.	ND Not Detected.			
RL Reporting Limit				
MDL Method Detection Limit	SDL Sample Dete	ection Limit	LOD Limit of Detection	
PQL Practical Quantitation Limit	MQL Method Qua	antitation Limit	LOQ Limit of Quantitatio	n
DL Method Detection Limit				
NC Non-Calculable				
SMP Client Sample		BLK	Method Blank	
BKS/LCS Blank Spike/Laboratory C	Control Sample	BKSD/LCSD	Blank Spike Duplicate/Labo	ratory Control Sample Duplicate
MD/SD Method Duplicate/Sample	e Duplicate	MS	Matrix Spike	MSD: Matrix Spike Duplicate
+ NELAC certification not offered for	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

<b>Analytical Method:</b> Seq Number: MB Sample Id:	<b>Chloride b</b> 3136913 7711085-1-		00		Matrix: nple Id:	Solid 7711085-	1-BKS			rep Metho Date Pro D Sample	ep: 09.1	00P 10.2020 1085-1-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 Allocation	266	106	266	7 <b>6 Kec</b> 106	90-110	0	20	mg/kg	09.10.2020 16:42	
			20						D		1 520		
Analytical Method: Seq Number:	3136913	y EPA 30	0		Matrix:	Soil			Pi	rep Metho Date Pro		10.2020	
Parent Sample Id:	672115-001					672115-0	01 S		MS		•	115-001 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	
<b>Analytical Method:</b> Seq Number: Parent Sample Id:	<b>Chloride b</b> 3136913 672115-011		00		Matrix: nple Id:	Soil 672115-0	11 S			rep Metho Date Pro D Sample	ep: 09.1	00P 10.2020 115-011 SD	
Parameter		Parent	Spike	MS	MS	MSD	MSD	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride		Result 11.4	Amount 249	Result 267	%Rec 103	Result 267	%Rec 103	90-110	0	20	mg/kg	09.10.2020 18:30	
<b>Analytical Method:</b> Seq Number: MB Sample Id:	<b>TPH by SV</b> 3136787 7711040-1-1		od		Matrix: nple Id:	Solid 7711040-	1-BKS			rep Metho Date Pro D Sample	ep: 09.0	8015P )9.2020 1040-1-BSD	
Parameter		MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD	LCSD	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarb	ons (GRO)	<50.0	Amount 1000	1160	7 <b>6 Kec</b> 116	Result 917	% <b>Rec</b> 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		CS Rec	LCS Flag	LCSI %Re			imits	Units	Analysis Date	
1-Chlorooctane		108			16		96 97			-130	%	09.10.2020 03:12 09.10.2020 03:12	
o-Terphenyl		111		1	07		87		70	-130	%	09.10.2020 05.12	
<b>Analytical Method:</b> Seq Number:	<b>TPH by SV</b> 3136787	V8015 M	od		Matrix: nple Id:	Solid 7711040-	1-BLK		Pi	rep Metho Date Pro		8015P )9.2020	
Parameter				MB Result							Units	Analysis Date	Flag
Motor Oil Range Hydrocar	bons (MRO)			ND							mg/kg	09.10.2020 02:50	
											2.0		

MS/MSD Percent Recovery

Relative Percent Difference LCS/LCSD Recovery

Log Difference

[D] = 100\*(C-A) / B $\begin{array}{l} \text{[D]} & 100 \ (\text{C-E}) \ (\text{C-E}) \ | \\ \text{[D]} & = 100 \ (\text{C}) \ (\text{C-E}) \ | \\ \text{[D]} & = 100 \ (\text{C}) \ (\text{B}) \\ \text{Log Diff.} & = \text{Log(Sample Duplicate)} \ - \ \text{Log(Original Sample)} \end{array}$ 

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

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## Etech Environmental & Safety Solution, Inc

Romeo Fed COM 1H

Analytical Method:	TPH by SV	V8015 M	od						P	rep Metho	od: SW	8015P	
Seq Number:	3136787				Matrix:	Soil				Date Pr	ep: 09.0	9.2020	
Parent Sample Id:	672115-001	l		MS Sar	nple Id:	672115-00	01 S		MS	D Sample	e Id: 672	115-001 SD	
Parameter		Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarb	ons (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					1S Rec	MS Flag	MSD %Re			imits	Units	Analysis Date	
1-Chlorooctane				1	06		118		70	-130	%	09.10.2020 04:18	
o-Terphenyl				ç	93		100	)	70	-130	%	09.10.2020 04:18	

Analytical Method:	BTEX by EPA 8021	B						P	rep Metho	od: SW	5035A	
Seq Number:	3136674		I	Matrix:	Solid				Date Pr	ep: 09.0	9.2020	
MB Sample Id:	7710980-1-BLK		LCS San	nple Id:	7710980-1	I-BKS		LCS	D Sample	e Id: 771	0980-1-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	L0 %1	CS Rec	LCS Flag	LCSE %Rec			imits	Units	Analysis Date	
1,4-Difluorobenzene	95		9	7		97		70	-130	%	09.09.2020 09:25	
4-Bromofluorobenzene	82		10	09		105		70	-130	%	09.09.2020 09:25	

Analytical Method:	BTEX by EPA 8021	B						P	rep Metho	od: SW	5035A	
Seq Number:	3136678		]	Matrix:	Solid				Date Pr	ep: 09.0	9.2020	
MB Sample Id:	7710982-1-BLK		LCS San	nple Id:	7710982-1	I-BKS		LCS	D Sample	e Id: 771	0982-1-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		CS Rec	LCS Flag	LCSI %Re			imits	Units	Analysis Date	
1,4-Difluorobenzene	97		9	9		97		70	-130	%	09.09.2020 09:23	
4-Bromofluorobenzene	112		1	04		101		70	-130	%	09.09.2020 09:23	

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference  $\label{eq:c-A} \begin{array}{l} [D] = 100*(C-A) \ / \ B \\ RPD = 200* \ | \ (C-E) \ / \ (C+E) \ | \\ [D] = 100*(C) \ / \ [B] \\ Log \ Diff. = Log(Sample \ Duplicate) \ - \ Log(Original \ Sample) \end{array}$ 

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

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

.

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#### **QC Summary** 672115

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### Etech Environmental & Safety Solution, Inc Romeo Fed COM 1H

Analytical Method:	BTEX by EPA 8021	IB						Р	rep Meth	od: SW	5035A	
Seq Number:	3136744		]	Matrix:	Solid				Date Pr	ep: 09.0	9.2020	
MB Sample Id:	7711052-1-BLK		LCS San	nple Id:	7711052-	1-BKS		LCS	D Sample	e Id: 771	1052-1-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 Flag	LCSD %Rec			imits	Units	Analysis Date	
1,4-Difluorobenzene	96		9	8		99		70	-130	%	09.09.2020 22:04	
4-Bromofluorobenzene	82		11	31	**	132	**	70	-130	%	09.09.2020 22:04	

<b>Analytical Method:</b> Seq Number: MB Sample Id:	<b>BTEX by EPA 8021</b> 3136921 7711166-1-BLK	В		Matrix: nple Id:	Solid 7711166-1	I-BKS			rep Metho Date Pro D Sample	ep: 09.1	5035A 10.2020 1166-1-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		CS Rec	LCS Flag	LCSD %Rec			imits	Units	Analysis Date	
1,4-Difluorobenzene	97		1	00		98		70	-130	%	09.11.2020 09:45	
4-Bromofluorobenzene	120		1	10		109		70	-130	%	09.11.2020 09:45	

Analytical Method:	BTEX by EPA 8021	lB						Р	rep Meth	od: SW	5035A	
Seq Number:	3136674		]	Matrix:	Soil				Date Pr	ep: 09.0	09.2020	
Parent Sample Id:	671907-001		MS San	nple Id:	671907-00	01 S		MS	D Sampl	e Id: 671	907-001 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	Х
Ethylbenzene	< 0.00199	0.0994	0.0511	51	0.0441	44	70-130	15	35	mg/kg	09.09.2020 10:06	Х
m,p-Xylenes	0.00719	0.199	0.0988	46	0.0866	40	70-130	13	35	mg/kg	09.09.2020 10:06	Х
o-Xylene	0.00434	0.0994	0.0496	46	0.0431	39	70-130	14	35	mg/kg	09.09.2020 10:06	Х
Surrogate				IS Rec	MS Flag	MSD %Ree			imits	Units	Analysis Date	
1,4-Difluorobenzene			10	06		109		70	)-130	%	09.09.2020 10:06	
4-Bromofluorobenzene			10	00		123		70	)-130	%	09.09.2020 10:06	

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

[D] = 100\*(C-A) / B $\begin{array}{l} \text{[D]} & 100 \ (\text{C-E}) \ (\text{C-E}) \ | \\ \text{[D]} & = 100 \ (\text{C}) \ (\text{C-E}) \ | \\ \text{[D]} & = 100 \ (\text{C}) \ (\text{B}) \\ \text{Log Diff.} & = \text{Log(Sample Duplicate)} \ - \ \text{Log(Original Sample)} \end{array}$ 

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

eurofins Environment Testing Xenco

# Etech Environmental & Safety Solution, Inc

Romeo Fed COM 1H

<b>Analytical Method:</b> Seq Number: Parent Sample Id:	<b>BTEX by EPA 802</b> 3136678 671907-005	lB	] MS San	Matrix: nple Id:	Soil 671907-00	)5 S			rep Metho Date Pro D Sample	ep: 09.0	5035A )9.2020 907-005 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	Х
Ethylbenzene	0.00572	0.0996	0.0516	46	0.0518	46	70-130	0	35	mg/kg	09.09.2020 10:04	Х
m,p-Xylenes	0.0193	0.199	0.103	42	0.103	42	70-130	0	35	mg/kg	09.09.2020 10:04	Х
o-Xylene	0.0132	0.0996	0.0535	40	0.0530	40	70-130	1	35	mg/kg	09.09.2020 10:04	Х
Surrogate				IS Rec	MS Flag	MSD %Rec			imits	Units	Analysis Date	
1,4-Difluorobenzene			9	9		100		70	-130	%	09.09.2020 10:04	
4-Bromofluorobenzene			1	12		111		70	-130	%	09.09.2020 10:04	

<b>Analytical Method:</b> Seq Number: Parent Sample Id:	<b>BTEX by EPA 8021</b> 3136744 672141-035	B		Matrix: nple Id:	Soil 672141-03	35 S			rep Metho Date Pro D Sample	ep: 09.0	5035A )9.2020 141-035 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	Х
Ethylbenzene	< 0.00199	0.0994	0.0652	66	0.0890	89	70-130	31	35	mg/kg	09.09.2020 22:45	Х
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				IS Rec	MS Flag	MSD %Ree			imits	Units	Analysis Date	
1,4-Difluorobenzene			1	06		100		70	-130	%	09.09.2020 22:45	
4-Bromofluorobenzene			9	95		136	**	70	-130	%	09.09.2020 22:45	

Analytical Method:	BTEX by EPA 802	1B						Р	rep Meth	od: SW	5035A	
Seq Number:	3136921		]	Matrix:	Soil				Date Pr	ep: 09.1	10.2020	
Parent Sample Id:	672265-001		MS San	nple Id:	672265-00	01 S		MS	D Sample	e Id: 672	265-001 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				IS Rec	MS Flag	MSD %Ree			imits	Units	Analysis Date	
1,4-Difluorobenzene			1	00		99		70	)-130	%	09.11.2020 10:26	
4-Bromofluorobenzene			1	10		116		70	0-130	%	09.11.2020 10:26	

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference  $\label{eq:c-A} \begin{array}{l} [D] = 100*(C-A) \ / \ B \\ RPD = 200* \ | \ (C-E) \ / \ (C+E) \ | \\ [D] = 100*(C) \ / \ [B] \\ Log \ Diff. = Log(Sample \ Duplicate) \ - \ Log(Original \ Sample) \end{array}$ 

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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Final 1.000
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G	3 mar year	1 ] La 7 ] -	Relinguished by (Signature)	Notice: Signature of this document and relinquishment of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of service. X minimum charge of \$75.00 will be applied to each project and a charge of \$6 for each sample subminishing that we have a control of the client if such losses are due to circumstances beyond the control of the control of the client if such losses are due to circumstances beyond the control of X minimum charge of \$75.00 will be applied to each project and a charge of \$6 for each sample subminishing that are very subminishing to the client if such losses are due to circumstances beyond the control of X minimum charge of \$75.00 will be applied to each project and a charge of \$6 for each sample subminishing to the control of X minimum charge of \$75.00 will be applied to each project and a charge of \$6 for each sample subminishing to the control of X minimum charge of \$75.00 will be applied to each project and a charge of \$6 for each sample subminishing to the control of X minimum charge of \$75.00 will be applied to each project and a charge of \$6 for each sample subminishing to the control of X minimum charge of \$75.00 will be applied to each project and a charge of \$6 for each sample subminishing to the control of X minimum charge of \$75.00 will be applied to each project and a charge of \$6 for each sample subminishing to the control of X minimum charge of \$75.00 will be applied to each project and a charge of \$6 for each sample subminishing to the control of X minimum charge of \$75.00 will be applied to each project and a charge of \$6 for each sample subminishing to the control of X minimum charge of \$75.00 will be applied to each project and a charge of \$6 for each sample subminishing to the control of X minimum charge of \$75.00 will be applied to each project and a charge of \$6 for each sample subminimum charge of to the charge of \$6 for each sample sample subminimum charge of to the charg	Bill to Centennia	ESW-1	SSW-1	NSM-1	BH-7	BH-6	BH-5	BH-4	BH-3	BH-2	BH-1	Sample Identification	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	Temperature (°C):	SAMPLE RECEIPT	PO#	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone: 432-5	City, State ZIP: Midland,	Address: PO Bo	Company Name: Etech	Project Manager: Matt Green	
	5		ature) 1/	t and relinquish y for the cost of '5.00 will be app	nnial												Yes No	N	(Yes No	2120	Temp		Wesh	Lea County, New Mexico		Romeo	432-563-2200	Texas	PO Box 62228	Etech Environmental & Safety Solutions,	Green	
	<pre>k</pre>			nent of sam samples an lied to each		S S	s s	Matrix s	- I	NIA Co			emp Blank: Y		Wesley Desilets	y, New I	12895	Romeo Fed COM 1H		79711		ntal & Sa										
	Č	Yerren	And iver	ples constit Id shall not a		9/4/2020	9/4/2020	9/4/2020	9/4/2020	9/4/2020	9/4/2020	9/4/2020	9/4/2020	9/4/2020	9/4/2020	Date Sampled	Total Containers:	Correction Factor		(	Yes No		its	Mexico		1 1H				fety Solut		
			a charge of as	utes a valid pur Issume any res a charoe of \$5		8:15	8:10	8:05	9:04	9:05	9:00	8:51	8:45	8:40	8:30	Time Sampled	iers:	actor:		Thermometer ID	Wet Ice:		Due Date:	Rush:	CONT	T.	Email:			ions, Inc		
		ie)	ior each sample	chase order fror ponsibility for ar for each sample		6"	6"	6ª	οĩ	٥	6	6"	6"	6 <u>"</u>	6"	Depth		20,0	d		No ( Sak		Date:			Turn Around	Email: Matt@etechenv.com	City, State ZIP:	Address:	Company Name:	Bill to: (if different)	
	1	d.	Supmired to Xenco, but not analyzed. These terms will be enforced unless previously negotiated	n client com ny losses or			<u> </u>	<u> </u>	<u> </u>	<u> </u>	1	1	1	-	1	Numb Code	per of	f Co	onta	line	s/Pı	rese	rva	tive			henv.com				ent)	
4	the		o Xenco, bu	pany to Xe												NORM	(Pior	neer	)											Centennial		
			it not ana	nco, its a												Texas	11 R(	CRA	Me	tals	tota	I)										
ת	4 1		lyzed. Th	its affiliates and subcontractor rred by the client if such losses		×	×	X			×	×	×	×		TPH SI	W 801	15M														
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		led by:	s will be	ntractors h losses		×	×	×	×	×	×	×	×	×	$\frac{1}{2}$	HOLD										LYSIS						
		(Signature)	enforced u	. It assign are due to												Chloric		PA 3						_		ANALYSIS REQUEST						
		ure)	nless prev	It assigns standard terms and conditions re due to circumstances beyond the contro																						EST	Delive	Repor	sta	Progr		
			viously ne	d terms a inces bey													,										Deliverables: EDD	ting:Lev	State of Project:	am: US		
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		Received by: (Signature)			NORM TAT circle one :						-		+	+	+						. <u></u>				-		ADaf	L PSJ		Brow	Order	www.xenco.com
		ure)						-+									2		Zn Ac	MeOH: Me	NaOH- Na	None: NO			HNO		ADaPT	Reporting:Level II Level II PST/UST TRRF Level IV		Program: UST/PST PRP Brownfields RRC	š	
╀					7 day, (t											Sampl	lab, if rec	etante th	etate+	⊹.Me		NO P			HNO3: HN	Preser	₽	TRRA		RRC	lents	Page
		Dat			5 day											e Con	ceived b		Zn Acetate+ NaOH: Zn							vative	Other: contract	L Fev				
		Date/Time			Rush 3 da											Sample Comments	lab, if received by 4:30pm		Zn							Preservative Codes	vntract			Superfund		đ Vi
					3 daj												/ the															1, 4

Released to Imaging: 6/30/2021 3:41:02 PM



Work Order No: UD 2115

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) 689-67
 Atlanta, GA (770) 449-8800

Chain of Custody

σω	Reinquisned by: (Signature)	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of 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.	Bill to Centennial			Stockpile 1	WSW-2	WSW-1	ESW-2	Sample Identification	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	Temperature (°C):	SAMPLE RECEIPT	PO#	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone: 43	ate ZIP:		Company Name: Ete	Project Manager: Ma		and the second se
	ignature)	ment and relinquishment e only for the cost of samp of \$75.00 will be applied t	ntennial		U U	_	S	s	s	ation Matrix	Yes No WA	No	Yas No	S. P. WAR	Temp Blank:		Wesley Desilets	Lea County, New Mexico	12895	Romeo Fed COM 1H	432-563-2200	Midland, Texas 79711	PO Box 62228	Etech Environmental & Safety Solutions, Inc	Matt Green		
	(Received by: (Signature)	of samples constitutes oles and shall not assu o each project and a cl			9/4/2020	Τ	9/4/2020	9/4/2020	9/4/2020	Date Sampled	Total Containers:	<u> </u>			k: Yes No		esilets	lew Mexico	5	COM 1H				& Safety Solution			
	(Signature)	a valid purchase order in a valid purchase order in any responsibility for any responsibility for the same of \$5 for each same in the same same same same same same same sam			- 02:5	9:15 -	8:25 6"	8:22 6"	8:20 6"	Time Depth Sampled		SI.		ē	Wet Ice: Yes No		Due Date:	Rush:		Turn Around	Email: Matt@ete	City, State ZIP:	Address:		Bill to: (if different)		Tampa, FL (813)
103	ale/Time	from client company to r any losses or expensi ple submitted to Xenco							-	Numb Code						rese	rva	tive			Matt@etechenv.com	ZIP:		Name: Centennial	fferent)		Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
6 4	N	Xenco, its affiliate as incurred by the , but not analyzed			×	×	×	×	×	NORM Texas <sup>2</sup> TPH SV	11 RC	RA		als (	tota	I)								a		Channer, CC (770) ++0000	e, FL (850) 756-
	Relinquished by: (Signature)	s and subcontrac client if such loss These terms will			×	×	×	×	×	BTEX S	· · · · · · ·		0211	3						ANALYS						-00000	0747, Delray Be
	by: (Signatur	tors. It assigns a ses are due to cir be enforced unit			×	×	×	×	×	Chlorid	es El	PA 3	:00							SIS REQUEST							ach, FL (561) 6
		standard terms and condition cumstances beyond the cont as previously negotiated.	NORM																	ST · · ·	Deliverables: EDD	Reporting:Level I		Program: UST/PST	N	www	89-6701
	Received by: (Signature)	<u>0</u> °	TAT circle one										N	2 3	2	<u>z</u> -					ADaPT	Level II PST/US		PRP Brownfields RRC	Work Order Comments	www.xenco.com	
Bevilsed Data (01410 Dev. Onto a	e) Date/Time		NORM TAT circle one : 7 day, 5 day, Rush 3 day							Sample Comments	IA1 starts the day received by the lab, if received by 4:30pm		Zn Acetate+ NaOH <sup>,</sup> Zn	MaOH- Ma	N-HOEN	None: NO		H9S04- H9	HNO3: HN	Preservative Codes	Other: contract			elds RRC Superfund		Page Z of Z	٤

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Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334

Chain of Custody

Work Order No: UTAILS

Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296

### **Eurofins Xenco, LLC**

### Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I	Acceptable Temperature Range: 0 - 6 degC									
Date/ Time Received: 09.09.2020 12.30.00 PM	Air and Metal samples Acceptable Range: Ambient									
Work Order #: 672115	Temperature Measuring device used : IR-8									
Sample Recei	ot 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: Bidla Tal Brianna Teel

Date: 09.09.2020

Checklist reviewed by: Jession Vramer

Jessica Kramer

Date: 09.09.2020

eurofins Environment Testing Xenco

## Certificate of Analysis Summary 675437

Etech Environmental & Safety Solution, Inc, Midland, TX

### Project Name: Romeo Fed COM 1H

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

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 Date Received in Lab:
 Fri 10.16.2020 16:00

 Report Date:
 01.28.2021 08:38

Project Manager: Jessica Kramer

	Lab Id:	675437-001		675437-002		675437-003		675437-004		675437-005		675437-006			
Analysis Requested	Field Id:	BH-1		BH-2		BH-3		BH-4		SSW-1		WSW-1			
Analysis Requested	Depth:	1- ft		Depth: 1- ft		1- ft		1- ft		1- ft		6- In		6- In	
	Matrix:	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 Extrac				10.19.2020 1	4:00										
	Analyzed:			10.19.2020 22:15											
	Units/RL:			mg/kg	RL										
Chloride				7.88	4.98										
TPH by SW8015 Mod	Extracted:	10.17.2020 1	1:00	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												
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

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

Jession VRAMER

Page 1 of 21

Project Id:

eurofins Environment Testing Xenco

## Certificate of Analysis Summary 675437

Etech Environmental & Safety Solution, Inc, Midland, TX

### Project Name: Romeo Fed COM 1H

Date Received in Lab: Fri 10.16.2020 16:00 **Report Date:** 01.28.2021 08:38

Project Manager: Jessica Kramer

Matthew Green **Contact:** Lea County, New Mexico **Project Location:** 

12895

	Lab Id:	675437-0	07	675437-00	)8	675437-0	09		
An alunia Domenanto I	Field Id:	Stockpile-	1A	Stockpile-2	2A	Stockpile-	3		
Analysis Requested	Depth:								
	Matrix:	SOIL		SOIL		SOIL			
	Sampled:	10.14.2020	14:00	10.14.2020 1	4:05	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						1.2	0.00200		
Ethylbenzene						-	0.00200		
m,p-Xylenes						1.2	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 1	1:00	10.17.2020	11:00		
	Analyzed:	** ** **	**	** ** ** 1	**	** ** **	**		
	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

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

Jession Vramer

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eurofins Environment Testing Xenco

## **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,

fession kenner

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
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## **CASE NARRATIVE**

Client Name: Etech Environmental & Safety Solution, Inc Project Name: Romeo Fed COM 1H

Project ID:12895Work 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.

o-Terphenyl

## **Certificate of Analytical Results 675437**

# Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

90 102

102

%

%

70-130

70-130

10.17.2020 02:48

10.17.2020 02:48

Sample Id: BH-1		Matrix:	Soil		Date Received:10.1	6.2020 16:	00
Lab Sample Id: 675437-001		Date Collect	ted: 10.14.2020 09:10		Sample Depth: 1 ft		
Analytical Method: TPH by SW801 Tech: DVM Analyst: ARM Seq Number: 3139998	5 Mod	Date Prep:	10.17.2020 11:00		Prep Method: SW3 % Moisture: Basis: Wet	8015P Weight	
Parameter	Cas Number	Result P	RL	Units	Analysis Date	Flag	Dil
Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result R	8L 50.0	Units mg/kg	<b>Analysis Date</b> 10.17.2020 02:48	<b>Flag</b> U	<b>Dil</b>
					•	0	<b>Dil</b> 1
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	50.0	mg/kg	10.17.2020 02:48	U	<b>Dil</b> 1 1
Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	PHC610 C10C28DRO	ND ND	50.0 50.0	mg/kg mg/kg	10.17.2020 02:48 10.17.2020 02:48	U U U	<b>Dil</b> 1 1 1 1 1 1 1

111-85-3

84-15-1

# Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:BH-2Lab Sample Id:675437-002		Matrix: Date Coll	Soil lected: 10.14.2	2020 09:18		Date Received:10. Sample Depth: 1 ft		:00
Analytical Method: Chloride by EP	PA 300					Prep Method: E30	00P	
Tech: CHE								
Analyst: CHE		Date Prep	p: 10.19.2	2020 14:00		% Moisture: Basis: We	et Weight	
Seq Number: 3140096						Dasis. We	et 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 SW80	15 Mod					Prep Method: SW	/8015P	
Analytical Method:TPH by SW801Tech:DVMAnalyst:ARMSeq Number:3139998	15 Mod	Date Prep	p: 10.17.2	2020 11:00		% Moisture:	/8015P et Weight	
Tech: DVM Analyst: ARM Seq Number: 3139998	15 Mod Cas Number	Date Prep Result	p: 10.17.2 RL	2020 11:00		% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3139998 Parameter		-		2020 11:00		% Moisture: Basis: We	et Weight	<b>Dil</b>
Tech: DVM Analyst: ARM	Cas Number	Result	RL	2020 11:00	Units	% Moisture: Basis: We Analysis Date	et Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3139998 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	<b>Result</b> ND	<b>RL</b> 50.0	2020 11:00	Units mg/kg	% Moisture: Basis: We Analysis Date 10.17.2020 03:45	et Weight Flag U	1
Tech: DVM Analyst: ARM Seq Number: 3139998 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	Result ND ND	<b>RL</b> 50.0 50.0	2020 11:00	Units mg/kg mg/kg	% Moisture: Basis: We <u>Analysis Date</u> 10.17.2020 03:45 10.17.2020 03:45	et Weight Flag U U	1 1
Tech: DVM Analyst: ARM Seq Number: 3139998 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result ND ND ND ND	RL 50.0 50.0 50.0	2020 11:00 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: We Analysis Date 10.17.2020 03:45 10.17.2020 03:45 10.17.2020 03:45 10.17.2020 03:45	et Weight Flag U U U U U	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3139998 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result ND ND ND ND	<b>RL</b> 50.0 50.0 50.0 50.0		Units mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: We Analysis Date 10.17.2020 03:45 10.17.2020 03:45 10.17.2020 03:45 10.17.2020 03:45 Mnalysis Date	et Weight Flag U U U U U S Flag	1 1 1

o-Terphenyl

# Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id: BH-3		Matrix:	Soil		Date Received:10.1	6.2020 16:	00
Lab Sample Id: 675437-003		Date Collec	ted: 10.14.2020 09:2	0	Sample Depth: 1 ft		
Analytical Method: TPH by SW801 Tech: DVM Analyst: ARM Seg Number: 3139998	5 Mod	Date Prep:	10.17.2020 11:0	0	Prep Method: SW3 % Moisture: Basis: Wet	8015P Weight	
Seq Number: 3139998							
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
Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	C10C28DRO PHCG2835	ND ND	50.0 50.0	mg/kg mg/kg	10.17.2020 04:05 10.17.2020 04:05	U U	1 1
6 6 6				00			1 1 1

88

95

%

%

70-130

70-130

10.17.2020 04:05

10.17.2020 04:05

111-85-3

84-15-1

o-Terphenyl

# Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

86 94

94

%

%

70-130

70-130

10.17.2020 04:24

10.17.2020 04:24

Sample Id: BH-4		Matrix:	Soil		Date Received:10.1	6.2020 16:	00
Lab Sample Id: 675437-004		Date Collec	ted: 10.14.2020 09:27		Sample Depth: 1 ft		
Analytical Method: TPH by SW801 Tech: DVM Analyst: ARM Seq Number: 3139998	5 Mod	Date Prep:	10.17.2020 11:00		Prep Method: SW3 % Moisture: Basis: Wet	8015P Weight	
Parameter	Cas Number	Result ]	RL	Units	Analysis Date	Flag	Dil
Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result I	<b>RL</b> 49.9	Units mg/kg	Analysis Date 10.17.2020 04:24	<b>Flag</b> U	<b>Dil</b>
					•	0	
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	49.9	mg/kg	10.17.2020 04:24	U	
Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	PHC610 C10C28DRO	ND ND	49.9 49.9	mg/kg mg/kg	10.17.2020 04:24 10.17.2020 04:24	U U U	

111-85-3

84-15-1

o-Terphenyl

## **Certificate of Analytical Results 675437**

# Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id: SSW-1		Matrix:	Soil		Date Received:10.1	6.2020 16:	00
Lab Sample Id: 675437-005		Date Collect	ed: 10.14.2020 09:06	i	Sample Depth: 6 In		
Analytical Method: TPH by SW801 Tech: DVM Analyst: ARM Seq Number: 3139998	5 Mod	Date Prep:	10.17.2020 11:00	1	Prep Method: SW % Moisture: Basis: Wet	8015P t Weight	
Parameter	Cas Number	Result R	L	Units	Analysis Date	Flag	Dil
Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result R	<b>L</b> 49.8	Units mg/kg	Analysis Date 10.17.2020 04:43	<b>Flag</b> U	<b>Dil</b>
					v		<b>Dil</b> 1 1
Gasoline Range Hydrocarbons (GRO)	PHC610	ND	49.8	mg/kg	10.17.2020 04:43	U	<b>Dil</b> 1 1 1 1
Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	PHC610 C10C28DRO	ND ND	49.8 49.8	mg/kg mg/kg	10.17.2020 04:43 10.17.2020 04:43	U U U	<b>Dil</b> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

87

96

%

%

70-130

70-130

10.17.2020 04:43

10.17.2020 04:43

111-85-3

84-15-1

## **Certificate of Analytical Results 675437**

# Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id: WSW-1		Matrix:	Soil		Date Received:10.1	6.2020 16:	00
Lab Sample Id: 675437-006		Date Coll	ected: 10.14.2020 09:30		Sample Depth: 6 In		
Analytical Method: TPH by SW801	5 Mod				Prep Method: SW8	3015P	
Tech:DVMAnalyst:ARMSeq Number:3139998		Date Prep	o: 10.17.2020 11:00		% Moisture: 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
Sumogoto	Ca	a Numbor 9/	Decovery Units	I imit	A nalvaia Data	Flog	

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	

# Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

Sample Id:Stockpile-1ALab Sample Id:675437-007		Matrix: Date Colle	Soil ected: 10.14.	2020 14:00		Date Received:10.1	6.2020 16:	00
Analytical Method: Chloride by EP Tech: CHE Analyst: CHE Seq Number: 3140096	A 300	Date Prep	: 10.19.	2020 14:00		Prep Method: E300 % Moisture: Basis: Wet	DP 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 SW801 Tech: DVM Analyst: ARM Seq Number: 3139998	15 Mod	Date Prep	: 10.17.	2020 11:00		Prep Method: SW8 % Moisture: Basis: Wet	8015P Weight	
Tech: DVM Analyst: ARM	15 Mod Cas Number	Date Prep Result	: 10.17.: <b>RL</b>	2020 11:00	Units	% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3139998		-		2020 11:00	Units mg/kg	% Moisture: Basis: Wet	Weight	<b>Dil</b>
Tech: DVM Analyst: ARM Seq Number: 3139998 Parameter	Cas Number	Result	RL	2020 11:00		% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3139998 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result	<b>RL</b> 49.9	2020 11:00	mg/kg	% Moisture: Basis: Wet Analysis Date 10.17.2020 05:21	Weight Flag	1
Tech: DVM Analyst: ARM Seq Number: 3139998 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	Result ND 431	<b>RL</b> 49.9 49.9	2020 11:00	mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 10.17.2020 05:21 10.17.2020 05:21	Weight Flag U	1
Tech: DVM Analyst: ARM Seq Number: 3139998 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result ND 431 ND 431	<b>RL</b> 49.9 49.9 49.9	2020 11:00 Units	mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Mnalysis Date 10.17.2020 05:21 10.17.2020 05:21 10.17.2020 05:21 10.17.2020 05:21	Weight Flag U	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3139998 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635 C	Result ND 431 ND 431	<b>RL</b> 49.9 49.9 49.9 49.9		mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Mnalysis Date 10.17.2020 05:21 10.17.2020 05:21 10.17.2020 05:21 10.17.2020 05:21 Mnalysis Date	Weight Flag U U	1 1 1

# 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 C	Collected: 10.1	4.2020 14:05				
Analytical Method: TPH by SW801	5 Mod					Prep Method: SW	/8015P	
Tech: DVM								
Analyst: ARM		Date P	rep: 10.1	7.2020 11:00		% Moisture:		
Seq Number: 3139998						Basis: We	et 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	1	111-85-3	85	%	70-130	10.17.2020 05:4	0	
o-Terphenyl	8	34-15-1	95	%	70-130	10.17.2020 05:4	0	

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# Etech Environmental & Safety Solution, Inc, Midland, TX

Romeo Fed COM 1H

		Date Co	llected: 10.1	4.2020 14:10				00
Analytical Method: Chloride by EPA Tech: CHE Analyst: CHE Seq Number: 3140096	300	Date Pre	p: 10.1	9.2020 14:00		Prep Method: E300 % Moisture: Basis: Wet	)P 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 Tech: DVM Analyst: ARM Seq Number: 3139998	Mod	Date Pre	p: 10.1	7.2020 11:00		Prep Method: SW8 % Moisture: Basis: Wet	8015P 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
S		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
Surrogate 1-Chlorooctane		111-85-3	82	%	70-130	10.17.2020 06:00		

## **Certificate of Analytical Results 675437**

### Etech Environmental & Safety Solution, Inc, Midland, TX Romeo Fed COM 1H

Sample Id:Stockpile-3Lab Sample Id:675437-009		Matrix: Date Colle	Soil ected: 10.14.2020 14:10	)	Date Received	:10.16.2020	16:00
Analytical Method: BTEX by EPA	8021B				Prep Method:	SW5035A	
Tech: KTL					0/ <b>M</b> · /		
Analyst: KTL		Date Prep:	10.20.2020 09:00	)	% Moisture: Basis:	Wet Weight	
Seq Number: 3140194					Dublo	wet weight	
Parameter	Cas Number	Result	RL	Units	Analysis Da	te Flag	Dil
Benzene	71-43-2	ND	0.00200	mg/kg	10.20.2020 13	:22 U	1

Benzene	/1-43-2	N	D 0.00200		mg/kg	10.20.2020 13:22	U	1	
Toluene	108-88-3	NI	D 0.00200		mg/kg	10.20.2020 13:22	U	1	
Ethylbenzene	100-41-4	NI	D 0.00200		mg/kg	10.20.2020 13:22	UX	1	
m,p-Xylenes	179601-23-1	NI	D 0.00401		mg/kg	10.20.2020 13:22	UX	1	
o-Xylene	95-47-6	N	D 0.00200		mg/kg	10.20.2020 13:22	UX	1	
Total Xylenes	1330-20-7	NI	D 0.00200		mg/kg	10.20.2020 13:22	U	1	
Total BTEX		NI	D 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	<b>SDL</b> Sample Detection Limit	LOD Limit of Detection	
<b>PQL</b> Practical Quantitation Limit	MQL Method Quantitation Limi	t LOQ Limit of Quantitation	on
DL Method Detection Limit			
NC Non-Calculable			
SMP Client Sample	BLK	Method Blank	
<b>BKS/LCS</b> Blank Spike/Laboratory C	Control Sample BKSD/LCSI	Blank Spike Duplicate/Labo	oratory Control Sample Duplicate
MD/SD Method Duplicate/Sample	e Duplicate MS	Matrix Spike	MSD: Matrix Spike Duplicate
+ NELAC certification not offered for	or 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: Seq Number: MB Sample Id: Parameter Chloride	<b>Chloride by</b> 3140096 7713521-1-1		00 Spike Amount 250		Matrix: nple Id: <b>LCS</b> %Rec 104	Solid 7713521- LCSD Result 259	1-BKS LCSD %Rec 104	<b>Limits</b> 90-110		rep Methe Date Pro D Sample RPD Limit 20	ep: 10.1	0P 9.2020 3521-1-BSD Analysis Date 10.19.2020 19:43	Flag
<b>Analytical Method:</b> Seq Number: Parent Sample Id: <b>Parameter</b> Chloride	<b>Chloride by</b> 3140096 675404-003		00 Spike Amount 1250		Matrix: nple Id: <b>MS</b> %Rec 111	Soil 675404-00 <b>MSD</b> Result 1910	03 S MSD %Rec 109	<b>Limits</b> 90-110		rep Metho Date Pro D Sample RPD Limit 20	ep: 10.1	0P 9.2020 404-003 SD Analysis Date 10.19.2020 21:31	Flag X
<b>Analytical Method:</b> Seq Number: Parent Sample Id: <b>Parameter</b> Chloride	<b>Chloride by</b> 3140096 675468-001	v EPA 30 Parent Result 641	)0 Spike Amount 248		Matrix: nple Id: <b>MS</b> %Rec 108	Soil 675468-00 MSD Result 890	01 S MSD %Rec 100	<b>Limits</b> 90-110		rep Metho Date Pr D Sample <b>RPD</b> Limit 20	ep: 10.1	0P 9.2020 468-001 SD Analysis Date 10.19.2020 20:02	Flag
<b>Analytical Method:</b> Seq Number: MB Sample Id:	<b>TPH by SW</b> 3139998 7713455-1- <b>1</b>		od		Matrix: nple Id:	Solid 7713455-	I-BKS			rep Metho Date Pro D Sample	ep: 10.1	8015P .7.2020 3455-1-BSD	
Parameter Gasoline Range Hydrocarb Diesel Range Organics		MB Result <50.0 <50.0	<b>Spike</b> <b>Amount</b> 1000 1000	<b>LCS</b> <b>Result</b> 901 966	LCS %Rec 90 97	LCSD Result 889 953	<b>LCSD</b> %Rec 89 95	<b>Limits</b> 70-130 70-130	% <b>RPD</b> 1 1	RPD Limit 20 20	Units mg/kg	Analysis Date 10.17.2020 02:11 10.17.2020 02:11	Flag
Surrogate 1-Chlorooctane o-Terphenyl		<b>MB</b> %Rec 99 117	MB Flag	L % 1	97 CS Rec 15 15	LCS Flag	93 LCSI %Re 111 110	D LCS c Flag	D Li g 70	-130 -130	mg/kg Units % %	Analysis Date 10.17.2020 02:11 10.17.2020 02:11	
<b>Analytical Method:</b> Seq Number:	<b>TPH by SW</b> 3139998	78015 M	od	MB Sar	Matrix: nple Id:	Solid 7713455-	I-BLK		Pi	rep Metho Date Pr	ep: 10.1	8015P 7.2020	
Parameter Motor Oil Range Hydrocar	bons (MRO)			MB Result ND							<b>Units</b> mg/kg	<b>Analysis</b> <b>Date</b> 10.17.2020 01:52	Flag

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

[D] = 100\*(C-A) / B $\begin{array}{l} \text{[D]} & 100 \ (\text{C-E}) \ (\text{C-E}) \ | \\ \text{[D]} & = 100 \ (\text{C}) \ (\text{C-E}) \ | \\ \text{[D]} & = 100 \ (\text{C}) \ (\text{B}) \\ \text{Log Diff.} & = \text{Log(Sample Duplicate)} \ - \ \text{Log(Original Sample)} \end{array}$ 

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 675437

eurofins Environment Testing Xenco

## Etech Environmental & Safety Solution, Inc

Romeo Fed COM 1H

Analytical Method:	TPH by SV	W8015 M	od						P	rep Metho	od: SW	8015P	
Seq Number:	3139998				Matrix:	Soil				Date Pr	ep: 10.1	7.2020	
Parent Sample Id:	675437-00	1		MS Sar	nple Id:	675437-00	01 S		MS	D Sample	e Id: 675	437-001 SD	
Parameter		Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarb	ons (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					IS Rec	MS Flag	MSD %Re			imits	Units	Analysis Date	
1-Chlorooctane				1	08		108	1	70	-130	%	10.17.2020 03:07	
o-Terphenyl				1	07		107	,	70	-130	%	10.17.2020 03:07	

Analytical Method:	BTEX by EPA 8021	B						P	rep Meth	od: SW	5035A	
Seq Number:	3140194			Matrix:	Solid				Date Pr	ep: 10.2	20.2020	
MB Sample Id:	7713622-1-BLK		LCS San	nple Id:	7713622-	1-BKS		LCS	D Sample	e Id: 771	3622-1-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		CS Rec	LCS Flag	LCSI %Ree			imits	Units	Analysis Date	
1,4-Difluorobenzene	98		1	00		99		70	-130	%	10.20.2020 11:00	
4-Bromofluorobenzene	104		1	01		100	1	70	-130	%	10.20.2020 11:00	

Analytical Method:	BTEX by EPA 8021	B						Р	rep Metho	od: SW	5035A	
Seq Number:	3140194		]	Matrix:	Soil				Date Pr	ep: 10.2	20.2020	
Parent Sample Id:	675437-009		MS San	nple Id:	675437-00	)9 S		MS	D Sample	e Id: 675	437-009 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	Х
m,p-Xylenes	< 0.00397	0.198	0.155	78	0.119	60	70-130	26	35	mg/kg	10.20.2020 11:41	Х
o-Xylene	< 0.00198	0.0992	0.0764	77	0.0604	61	70-130	23	35	mg/kg	10.20.2020 11:41	Х
Surrogate				IS Rec	MS Flag	MSD %Re			imits	Units	Analysis Date	

%Rec	Flag	%Rec	Flag		Childs	Date
101		101	7	0-130	%	10.20.2020 11:41
102		105	7	0-130	%	10.20.2020 11:41
	<b>%Rec</b> 101	<b>%Rec Flag</b> 101	%Rec         Flag         %Rec           101         101	%Rec         Flag         %Rec         Flag           101         101         7	%Rec         Flag         %Rec         Flag           101         101         70-130	%Rec         Flag         %Rec         Flag           101         101         70-130         %

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference  $\label{eq:c-A} \begin{array}{l} [D] = 100*(C-A) \ / \ B \\ RPD = 200* \ | \ (C-E) \ / \ (C+E) \ | \\ [D] = 100*(C) \ / \ [B] \\ Log \ Diff. = Log(Sample \ Duplicate) \ - \ Log(Original \ Sample) \end{array}$ 

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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Induction       Romeo Fed COM 1H       Turn Around         Project Location       Lea County, New Mexico       Rush:       contract II         Sampler's Name:       Wesley Desilets       Due Date:       Due Date:       turn Around         Project Location       Lea County, New Mexico       Rush:       I       Due Date:       Due Date:       turn Around         Project Location       Lea County, New Mexico       Rush:       I       Due Date:       Due Date:       turn Around         Sampler's Name:       Ves No       Wesley Desilets       Due Date:       Due Date:       Turn Around         Sample ruse (°C): $4^{-1}$ for $5^{-1/2}$ Thermometer ID       Due Date:       Turn Around         Received Intact:       Yes No       N/A       Correction Factor:       Due path       Depth         BH-1       Yes No       Matrix       Sampled       Sampled       Depth       Depth         BH-2       S       10/14/2020       9:10       1'       Arround       Arround         Stockpile-1A       S       10/14/2020       9:30       6'''       Arround         Stockpile-3       S       10/14/2020       14:10       -       Arround         Stockpile-3       S
Rush:         Due Date:           Thermometer ID         Pestinitrers:           Time         Deptinitrers:           0         9:10         1'           9:27         1'           9:27         1'           9:26         6''           9:30         6''           14:00         -           14:10         -
Thermometer ID         Oue Date:           Thermometer ID         9:10           9:10         1'           9:27         1'           9:30         6"           14:00         -           14:10         -           1         1
Yes         No         Wet Ice:         Yes         No           Thermometer ID         Thermometer ID         Thermometer ID         Thermometer ID           Date         Time         Depth         Depth         Internet ID           10/14/2020         9:10         1'         1           10/14/2020         9:20         1'         1           10/14/2020         9:27         1'         1           10/14/2020         9:30         6''         1           10/14/2020         9:30         6''         1           10/14/2020         9:30         6''         1           10/14/2020         14:00         -         1           10/14/2020         14:05         -         1
Image: Apple of the state of the s
Yes         No         No         Correction Factor:         Output         Date         Time         Depth         Depth         Matrix         Sampled         Sampled         Sampled         Depth         Multication factor:         Correction Factor:         <
Image: reside teal of the teal of teal
Yes         Nu/A         Total Containers:         Time         Date         Time         Depth         Dumber of Sampled         Sampled         Sampled         Sampled         Sampled         Depth         Dumber of Sampled         Depth         Dumber of Sampled         Sampled         Sampled         Sampled         Sampled         Depth         Dumber of Sampled         Sample         Samp         Sample         Sample         <
Matrix         Date Sampled         Time Sampled         Depth Number           S         10/14/2020         9:10         1'         1           S         10/14/2020         9:18         1'         1           S         10/14/2020         9:20         1'         1           S         10/14/2020         9:20         1'         1           S         10/14/2020         9:06         6''         1           S         10/14/2020         9:30         6''         1           S         10/14/2020         14:00         -         1           S         10/14/2020         14:05         -         1
S         10/14/2020         9:10         1'         1           S         10/14/2020         9:18         1'         1           S         10/14/2020         9:20         1'         1           S         10/14/2020         9:27         1'         1           S         10/14/2020         9:30         6"         1           S         10/14/2020         9:30         6"         1           S         10/14/2020         9:30         6"         1           S         10/14/2020         14:00         -         1           S         10/14/2020         14:05         -         1           S         10/14/2020         14:10         -         1
S         10/14/2020         9:18         1'           S         10/14/2020         9:20         1'           S         10/14/2020         9:27         1'           S         10/14/2020         9:06         6"           S         10/14/2020         9:30         6"           S         10/14/2020         14:00         -           S         10/14/2020         14:05         -           S         10/14/2020         14:10         -
S         10/14/2020         9:20         1'           S         10/14/2020         9:27         1'           S         10/14/2020         9:06         6"           S         10/14/2020         9:30         6"           S         10/14/2020         14:00         -           S         10/14/2020         14:05         -           S         10/14/2020         14:10         -
S     10/14/2020     9:27     1'       S     10/14/2020     9:06     6"       S     10/14/2020     9:30     6"       S     10/14/2020     14:00     -       S     10/14/2020     14:05     -       S     10/14/2020     14:10     -
S         10/14/2020         9:06         6"           S         10/14/2020         9:30         6"           S         10/14/2020         14:00         -           S         10/14/2020         14:05         -           S         10/14/2020         14:10         -
S       10/14/2020       9:30       6"         S       10/14/2020       14:00       -         S       10/14/2020       14:05       -         S       10/14/2020       14:10       -
S         10/14/2020         14:00         -           S         10/14/2020         14:05         -           S         10/14/2020         14:10         -
S 10/14/2020 14:05 - S 10/14/2020 14:10 -
S 10/14/2020 14:10 -



# 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 (550) 756-0747, Delray Beach, FL (561) 689-67

Work Order No: 17543

## **Eurofins Xenco, LLC**

## Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I	Acceptable Temperature Range: 0 - 6 degC
Date/ Time Received: 10.16.2020 04.00.00 PM	Air and Metal samples Acceptable Range: Ambient
Work Order #: 675437	Temperature Measuring device used : IR-8
Sample Recei	pt 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: Billion Tal Brianna Teel

Date: 10.16.2020

Checklist reviewed by: Jession Veramer

Jessica Kramer

Date: 10.19.2020



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)

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)
he site was secured and	I the impacted material will be cleaned to state standar	rds.

Received by OCD: 3/16/2021 12:00:15 AM Form C-141 State of New Mexico		Po	
Page 2 Oil Conservation Division		Incident ID	NRM2023345085
		District RP	
		Facility ID	
		Application ID	
release as defined by 19.15.29.7(A) NMAC?	The fluids caught fire leaving the flare.		
	otice given to the OCD? By whom? To whom? Wiss sent to Jim Griswold and OCD Dist 1 on 8/9/20.	nen and by what means (phone,	email, etc)?

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## **Initial Response**

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

 $\boxtimes$  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	
5  AM	Signature: Som A.h.	Date: 8/19/20	
7:36:25	email: jamon.hohensee@cdevinc.com	Telephone: 432-241-4283	
8/19/2020	OCD Only		
0CD: 8,	Received by: Ramona Marcus	Date: <u>8/20/2020</u>	
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	leased to Imaging: 6/30/2021 3:41:02 PM		
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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?	(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 <b>not</b> 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

f 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 9.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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regulations all operators a public health or the envir failed to adequately inves addition, OCD acceptanc and/or regulations.	are required to report and/or file certain release not onment. The acceptance of a C-141 report by the C stigate and remediate contamination that pose a three	best of my knowledge and understand that pursuant to OCD rules and ifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws Title:
Signature:		Date:
email:		Telephone:
OCD Only Received by:		Date:

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# **Remediation Plan**

Remediation Plan C	checklist: Each of the following items must be included in	the plan.			
<ul> <li>Detailed description of proposed remediation technique</li> <li>Scaled sitemap with GPS coordinates showing delineation points</li> </ul>					
Closure criteria i	<ul> <li>Estimated volume of material to be remediated</li> <li>Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC</li> <li>Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)</li> </ul>				
Deferral Requests C	Only: Each of the following items must be confirmed as pa	rt of any request for	r deferral of remediation.		
Contamination m deconstruction.	Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.				
Extents of contar	nination must be fully delineated.				
Contamination d	oes not cause an imminent risk to human health, the environ	ment, or groundwate	er.		
rules and regulations which may endanger liability should their surface water, human	he information given above is true and complete to the best all operators are required to report and/or file certain release public health or the environment. The acceptance of a C-14 operations have failed to adequately investigate and remedia health or the environment. In addition, OCD acceptance of npliance with any other federal, state, or local laws and/or re	e notifications and po 1 report by the OCE the contamination that f a C-141 report does	erform corrective actions for releases O does not relieve the operator of it pose a threat to groundwater,		
Printed Name:	Title:				
Signature:	Date:				
email:	Telephone	e:			
OCD Only					
Received by:	Date:				
Approved	Approved with Attached Conditions of Approval	Denied	Deferral Approved		
Signature:	Date:		_		
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# 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 follo	owing 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 must be notified 2 days prior to liner inspection)	photos of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropria	te ODC District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file may endanger public health or the environment. The accepta should their operations have failed to adequately investigate human health or the environment. In addition, OCD accepta compliance with any other federal, state, or local laws and/or restore, reclaim, and re-vegetate the impacted surface area to	complete to the best of my knowledge and understand that pursuant to OCD rules e certain release notifications and perform corrective actions for releases which ance of a C-141 report by the OCD does not relieve the operator of liability and remediate contamination that pose a threat to groundwater, surface water, nce of a C-141 report does not relieve the operator of responsibility for r regulations. The responsible party acknowledges they must substantially the conditions that existed prior to the release or their final land use in o the OCD when reclamation and re-vegetation are complete.
Printed Name:	Title:
Signature:	Date:
email:	Telephone:
OCD Only	
Received by:	Date:
	e party of liability should their operations have failed to adequately investigate and urface water, human health, or the environment nor does not relieve the responsible vs and/or regulations.
Closure Approved by:	Date:
Printed Name:	
Âq.	

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

#### CONDITIONS

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

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Action 20793