

CLOSURE REQUEST AND REMEDIATION SUMMARY REPORT

Centennial Resource Development, Inc. Merchant Livestock 24 State COM 2H Lea County, New Mexico Unit Letter "N", Section 24, Township 22 South, Range 34 East Latitude 32.37006° North, Longitude 103.426731° West NMOCD Incident ID#: pRM1934553523, and nRM1934553443

Prepared For:

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

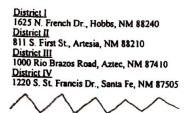
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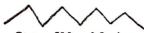
Etech Environmental & Safety Solutions, Inc. P.O. Box 62228 Midland, Texas 79711

December 2020

Wesley A. Desilets Project Manager

Matthew K. Green, P.G. Senior Project Manager





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

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Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Centennial Resource Production, Inc	OGRID: 372165
Contact Name: Zane Kurtz	Contact Telephone: 432-315-0113
Contact email: Zane.Kurtz@cdevinc.com	Incident # (assigned by OCD) DRM 1934553523
Contact mailing address: 500 W. Illinois Ave, Suite 500, Midland, Texas 79705	nRM1934553443

Location of Release Source

Latitude 32.37005

Longitude -103.42671_ (NAD 83 in decimal degrees to 5 decimal places)

Site Name: Merchant Livestock 24 State Com 2H				Site Type: Oil Production		
Date Release	Discovered:	8-15-19		API#		
I Init I etter	Section	Townshin	Perce			

Unit Letter	Section	Township	Range	County	
N	28 24	236 225	34E	Lea	1

Surface Owner: State Federal Tribal Private (Name:

Nature and Volume of Release

Crude Oil	Volume Released (bbls)	fic justification for the volumes provided below) Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 80	Volume Recovered (bbls) 0
	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 During produced water ran along the edge of th	transfer activities, a small split in the poly pipe develo e pad and to the south off the pad.	ped. Produced water was released from the po
During produced water	transfer activities, a small split in the poly pipe develo e pad and to the south off the pad.	ped. Produced water was released from the po
During produced water	transfer activities, a small split in the poly pipe develo e pad and to the south off the pad.	ped. Produced water was released from the po
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See. 0.141	State of New Mexico		Incident ID	
Form C-141	Oil Conservation Division	n	District RP	
Page 2	Oli Consei valien 21		Facility ID	
			Application ID	
Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the res >25bbls	sponsible party conside	er this a major release?	
Yes 🗋 No				
If YES, was immediate n	otice given to the OCD? By whom? To	whom? When and by	what means (phone, er	mail, etc)?
An email was sent to emi	ord_ocd_district1spills@state.nm.us on 8	3-16-19		
	Initial	Response		
The responsible	party must undertake the following actions immedi	iately unless they could crea	ie a safety hazard ihai would	result in injury
Released materials have All free liquids and relations described	as been secured to protect human health a ave been contained via the use of berms of ecoverable materials have been removed d above have <u>not</u> been undertaken, expla covered, the transfer pump was off and an	or dikes, absorbent pad and managed appropri in why:	ately.	
has begun, please attach within a lined containment I hereby certify that the infor regulations all operators are public health or the environm failed to adequately investig	IAC the responsible party may commence a narrative of actions to date. If remedi- nt area (see 19.15.29.11(A)(5)(a) NMAC remation given above is true and complete to to required to report and/or file certain release n ment. The acceptance of a C-141 report by the ate and remediate contamination that pose a to f a C-141 report does not relieve the operator	al efforts have been st), please attach all info he best of my knowledge totifications and perform the OCD does not relieve threat to groundwater, sur	accessfully completed or rmation needed for closs and understand that pursu corrective actions for relea he operator of liability sho face water, human health	or if the release occurred sure evaluation. Juant to OCD rules and ases which may endanger build their operations have or the environment. In
Printed Name: Jamon Ho	hensee	Title: Sr. Environme	ntal Analyst	
Signature: Jo-	H.h.	Date: 8/21/19		
email: _Jamon.hohensee	@cdevinc.com	Telephone: 432-315	5-0132	
OCD Only				
Received by:		Date:		

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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 not on an exploration, development, production, or storage site?	🗌 Yes 🗌 No

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

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

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

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Form C-141 Page 4	State of New Mexico Oil Conservation Division	Incident ID District RP
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regulations all operators are re public health or the environme failed to adequately investigat addition, OCD acceptance of and/or regulations.	equired to report and/or file certain release notifications a ent. The acceptance of a C-141 report by the OCD does te and remediate contamination that pose a threat to groun a C-141 report does not relieve the operator of responsibi	knowledge and understand that pursuant to OCD rules and nd perform corrective actions for releases which may endanger not relieve the operator of liability should their operations have adwater, surface water, human health or the environment. In lity for compliance with any other federal, state, or local laws
Signature:	Date:	
email:	Telepho	ne:
OCD Only		
Received by:	·	Date:

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Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.
Detailed description of proposed remediation technique
Scaled sitemap with GPS coordinates showing delineation points
Estimated volume of material to be remediated
Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)
Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
Extents of contamination must be fully delineated.
Contamination does not cause an imminent risk to human health, the environment, or groundwater.
rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for release which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: Title:
Signature: Date:
email: Telephone:
OCD Only
Received by: Date:
Approved Approved with Attached Conditions of Approval Denied Deferral Approved
Signature: Date:

PRM 1934 553523

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State of New Mexico Oil Conservation Division

NRM 19395	53993
Incident ID	
District RP	
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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 following items n	nust be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.11 NM	AC
Photographs of the remediated site prior to backfill or photos of the must be notified 2 days prior to liner inspection)	liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate ODC Distr	ict 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 and regulations all operators are required to report and/or file certain relead may endanger public health or the environment. The acceptance of a C-14 should their operations have failed to adequately investigate and remediate human health or the environment. In addition, OCD acceptance of a C-14 compliance with any other federal, state, or local laws and/or regulations. restore, reclaim, and re-vegetate the impacted surface area to the condition accordance with 19.15.29.13 NMAC including notification to the OCD with Printed Name: Samon Hohensee Title Signature: Solution Date: email: jamon hohensee Ocdevinc. comTelep	se notifications and perform corrective actions for releases which 1 report by the OCD does not relieve the operator of liability contamination that pose a threat to groundwater, surface water, 1 report does not relieve the operator of responsibility for The responsible party acknowledges they must substantially is that existed prior to the release or their final land use in then reclamation and re-vegetation are complete. E: $Sr. Environmental Analyst$ 1/2 - 2/2 - 20
OCD Only	
Received by:	Date:
Closure approval by the OCD does not relieve the responsible party of liab remediate contamination that poses a threat to groundwater, surface water, l party of compliance with any other federal, state, or local laws and/or regu	numan health, or the environment nor does not relieve the responsible
Closure Approved by:	Date:
Printed Name:	Title:

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- Appendix B Laboratory 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 Merchant Livestock 24 State COM 2H. The legal description of the Release Site is Unit Letter "N", Section 24, Township 22 South, Range 34 East, in Lea County, New Mexico. The Release Site GPS coordinates are 32.369788° North and 103.427205° West. Please reference Figure 1 for the Site Location Map and Figure 2 for the Site Details and Confirmation Soil Sample Map.

On August 15, 2019, during water transfer activities, Centennial discovered a split had developed in the poly pipe, resulting in the release. Approximately eighty (80) barrels of produced water were released with zero (0) barrels recovered, resulting in a net loss of approximately eighty (80) barrels of produced water. On August 21, 2019, Centennial filed a *Release Notification and Corrective Action Form* (Form C-141) with the New Mexico Oil Conservation Division (NMOCD). The Form C-141 is provided as Appendix C. Photographic documentation for the site is 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 Merchant Livestock 24 State COM 2H Release Site. A further search of the USGS database identified the closest registered water well is USGS Well #: 322231103262601 located approximately one (1) mile northwest of the Release Site. The average depth to groundwater for USGS Well #: 322231103262601 should be encountered at approximately seventeen (17) feet below ground surface (bgs). Based on the NMOCD site classification system, twenty (20) 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, twenty (20) points will be assigned to the Merchant Livestock 24 State COM 2H Release Site as a result of this criterion. Based on this score, the soil remediation levels for a site with a ranking score of twenty (20) 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 March 16, 2020, Etech was assigned management responsibilities for soil sampling, site restoration, and reporting activities by Centennial. Prior to Etech's involvement, the impacted area was excavated by a third-party contractor and the impacted soil was disposed of at an NMOCD approved landfill.

On April 30, 2020, Etech conducted additional excavation activities in the previously excavated area due to visible chloride crystallization. Following excavation activities seven (7) composite bottom hole soil samples (Bottom Hole 1 @ 9' through Bottom Hole 7 @ 9') and sixteen (16) composite sidewall soil samples (North Sidewall 1 @ 2', South Sidewall 1 @ 2', East Sidewall 1 @ 2' through East Sidewall 7 @ 2', and West Sidewall 1 @ 2' through West Sidewall 7 @ 2') were collected from the excavated areas. Soil samples were submitted to Permian Basin Environmental Lab, L.P. (PBELAB) in Midland, Texas to be 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 all collected soil samples were below applicable NMOCD limits and/or laboratory method detection limits. Please reference Figure 2 for site details and soil sampling locations.

On May 6, 2020, one (1) additional composite bottom hole soil sample (BH-8 @ 2') and four (4) additional composite sidewall soil samples (NSW-8 @ 1', WSW-8 @ 1', ESW-8 @ 1', and SSW-8 @ 1') were collected from the excavated area. Soil samples were submitted to PBELAB 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 bottom hole soil sample BH-8 @ 2' which exhibited TPH concentrations above NMOCD limits. Please reference Figure 2 for site details and soil sampling locations. Based on the analytical results, further excavation was needed for the area represented by composite bottom hole soil sample BH-8 @ 2'.

On June 23, 2020, following additional excavation activities, one (1) composite bottom hole soil sample (BH-8 @ 3') was collected from the area represented by bottom hole composite soil sample BH-8 @ 2' and submitted to PBELAB for TPH analysis. Please reference Figure 2 for site details and Figure 3 for soil sampling locations. A review of laboratory analytical results indicated the collected soil sample was below applicable NMOCD limits and laboratory method detection limits.

On July 28, 2020, after additional excavation activities to address surface crystallization, two (2) composite bottom hole soil samples (Bottom Hole-1 @ 9.5' and Bottomhole-2 @ 9.5') and two (2) composite sidewall soil samples (West Sidewall-1 @ 6' and West Sidewall-2 @ 6') were collected from the excavated area and submitted to PBELAB for chloride analysis. Please reference Figure 2 for site details and soil sampling locations. A review of laboratory analytical results indicated all collected soil samples were below applicable NMOCD limits.

On September 23, 2020, following additional excavation activities, one (1) composite bottom hole soil sample (Bottom Hole-9 @ 13') and three (3) composite sidewall soil samples (North Sidewall-9 @ 8', East Sidewall-9 @ 8', and West Sidewall-9 @ 8') were collected from the excavated area and submitted to PBELAB for chloride analysis. Please reference Figure 2 for site details and soil sampling locations. A review of laboratory analytical results indicated all collected soil samples were below applicable NMOCD limits.

Based on laboratory analytical results, all impacted soil has been removed from the release area. Table 1 summarizes the Concentrations of Benzene, BTEX, TPH, and Chlorides in Soil. Analytical reports are provided as Appendix B.

SOIL DISPOSAL AND CLOSURE REQUEST

On August 10, 2020, Etech, on behalf of Centennial, transported thirty-six (36) cubic yards of material to Sundance Services, Inc. Parabo Facility (NMOCD Permit #: NM-01-0003) located on Highway 18 near Eunice, New Mexico for disposal. On September 28, 2020, Etech transported an additional fifty-four (54) cubic yards of material to Sundance Services, Inc. Parabo Facility located on Highway 18 near Eunice, New Mexico for disposal. On October 19, 2020, backfill activities were completed at the Release Site utilizing non-impacted, soil purchased from a local source and the impacted area was re-contoured to fit the surrounding topography. On October 30, 2020, the Release Site was reseeded utilizing an approved native seed mix and a tractor equipped with a seed drill in an attempt to reestablish vegetation. Yearly monitoring of the site will be conducted to ensure vegetation growth and additional reseeding events will be conducted as needed.

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 Merchant Livestock 24 State COM 2H Release Site (NMOCD Incident ID#: nRH2003535484)

LIMITATIONS

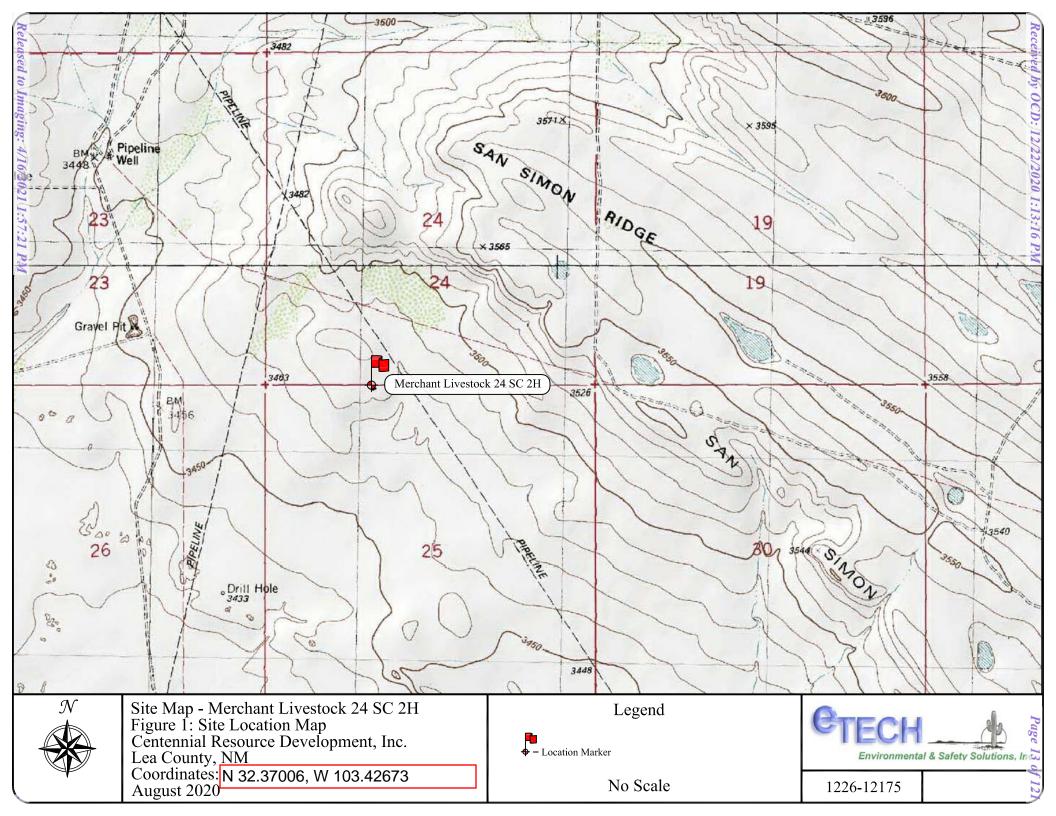
Etech has prepared this Closure Request and Remediation Summary Report to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. Etech has 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, Suite 500 Midland, Texas 79701
Copy 3:	Etech Environmental & Safety Solutions, Inc. P.O. Box 62228 Midland, Texas 79711



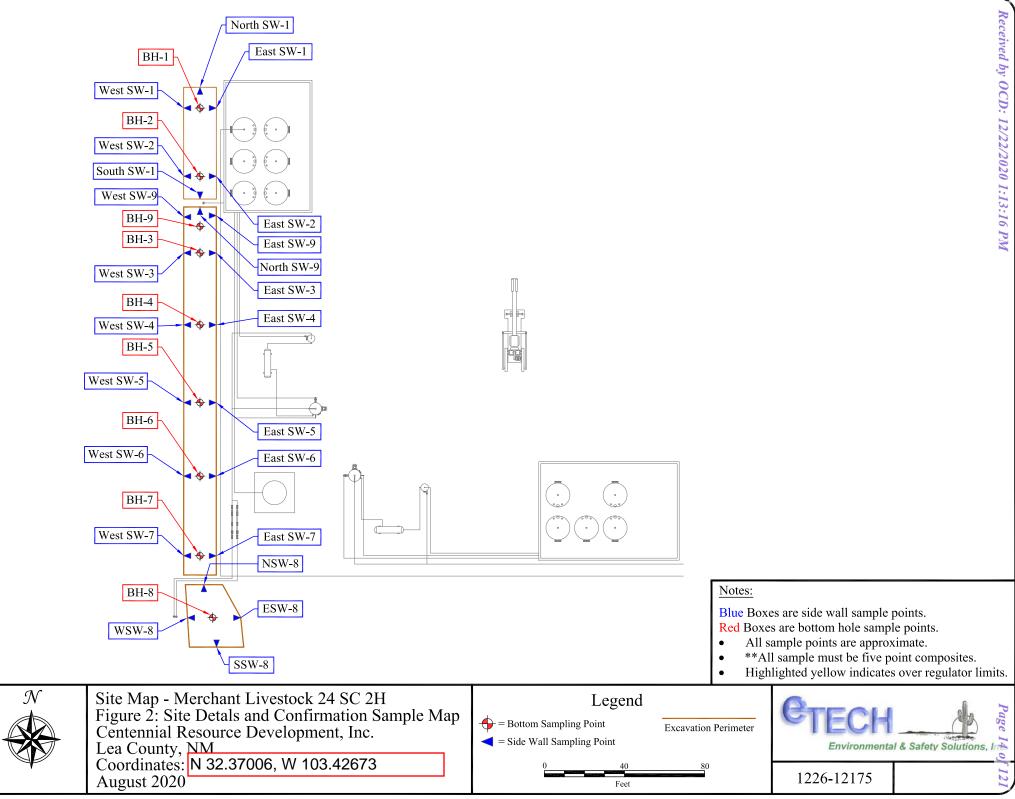


TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

CENTENNIAL RESOURCE DEVELOPMENT, INC.

Released to Imaging: 4/16/2021 1:57:21 PM

MERCHANT LIVESTOCK 24 SC 2H RELEASE SITE

LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/K

SAMPLE LOCATION SAMPL DATE	a			METHODS:	SW 846-80211	3		METHOD: SW 8015M					
	SAMPLE DATE	BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	0 - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C ₆ -C ₁₂	TPH DRO C ₁₂ -C ₂₈	TPH ORO C ₂₈ -C ₃₅	ТОТАL ТРН С ₆ -С ₃₅	CHLORIDE
Limits		10 mg/Kg						50 mg/Kg				100 mg/Kg	600 mg/Kg
		•				Bottom Hole S	Sample Results					•	
Bottom Hole 1 @ 9'	4/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	99.7
Bottom Hole 1 @ 9.5'	7/28/2020	-	-	-	-	-	-	-	-	-	-	-	21.2
Bottom Hole 2 @ 9'	4/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	41.4
Bottom Hole 2 @ 9.5'	7/28/2020	-	-	-	-	-	-	-	-	-	-	-	380
Bottom Hole 3 @ 9'	4/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	72.0
Bottom Hole 4 @ 9'	4/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	263
Bottom Hole 5 @ 9'	4/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	182
Bottom Hole 6 @ 9'	4/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.1
Bottom Hole 7 @ 9'	4/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	63.6
BH-8 @ 2'	5/6/2020	ND	ND	ND	ND	ND	ND	ND	ND	86.0	36.8	122.8	140
BH-8 @ 3'	6/23/2020	-	-	-	-	-	-	-	ND	ND	ND	ND	-
Bottom Hole 9 @ 13'	9/23/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	462
		1	1			Sidewall Sar	mple Results				[
North Sidewall 1 @ 2'	4/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23.1
South Sidewall 1 @ 2'	4/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.2
East Sidewall 1 @ 2'	4/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17.9
West Sidewall 1 @ 2'	4/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	33.6
West Sidewall 1 @ 6'	7/28/2020	-	-	-	-	-	-	-	-	-	-	-	25.9
East Sidewall 2 @ 2'	4/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	190
West Sidewall 2 @ 2'	4/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16.7
West Sidewall 2 @ 6'	7/28/2020	-	-	-	-	-	-	-	-	-	-	-	23.7

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

CENTENNIAL RESOURCE DEVELOPMENT, INC.

MERCHANT LIVESTOCK 24 SC 2H RELEASE SITE

LEA COUNTY, NEW MEXICO

					Ali	concentrations a	re reported in mg/K	g					
				METHODS:	SW 846-80211	3		METHOD: SW 8015M					
SAMPLE LOCATION	SAMPLE DATE	BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C ₆ -C ₁₂	TPH DRO C ₁₂ -C ₂₈	TPH ORO C ₂₈ -C ₃₅	ТОТАL ТРН С ₆ -С ₃₅	CHLORIDE
Limits		10 mg/Kg						50 mg/Kg				100 mg/Kg	600 mg/Kg
East Sidewall 3 @ 2'	4/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	202
West Sidewall 3 @ 2'	4/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	358
East Sidewall 4 @ 2'	4/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.50
West Sidewall 4 @ 2'	4/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	36.3
East Sidewall 5 @ 2'	4/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35.4
West Sidewall 5 @ 2'	4/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	101
East Sidewall 6 @ 2'	4/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.95
West Sidewall 6 @ 2'	4/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	84.5
East Sidewall 7 @ 2'	4/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.25
West Sidewall 7 @ 2'	4/30/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35.5
NSW-8 @ 1'	5/6/2020	ND	ND	ND	0.00392	0.00112	0.00504	0.00504	ND	31.3	ND	31.3	249
WSW-8 @ 1'	5/6/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26.9
ESW-8 @ 1'	5/6/2020	ND	ND	ND	0.00422	0.00127	0.00549	0.00549	ND	ND	ND	ND	52.5
SSW-8 @ 1'	5/6/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	113
North Sidewall 9 @ 8'	9/23/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	213
East Sidewall 9 @ 8'	9/23/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29.0
West Sidewall 9 @ 8'	9/23/2020	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	246

Bold ande Yellow Highlighted indicates Analyte Above NMOCD Regulatory Limit

Released to Imaging: 4/16/2021 1:57:21 PM

ND - Analyte not Detected at or above the laboratory method reporting limit and below NMOCD Regulatory Limit

Project Name: Merchant Livestock 24 SC 2H Project No: 12175 Page 17 of 121





Project Name: Merchant Livestock 24 SC 2H Project No: 12175 Page 18 of 121





Project Name: Merchant Livestock 24 SC 2H Project No: 12175 Photographic Documentation





PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



Revised Analytical Report

Prepared for:

Matt Green E Tech Environmental & Safety Solutions, Inc. 13000 West County Road 100 Odessa, TX 79765

Project: Centennial Merchant Livestock 24 SC 2H Project Number: 12174 Location: Lea County, NM

Lab Order Number: 0E01005



Current Certification

Report Date: 09/01/20

E Tech Environmental & Safety Solutions, Inc. 13000 West County Road 100 Odessa TX, 79765 Project: Centennial Merchant Livestock 24 SC 2H Project Number: 12174 Project Manager: Matt Green Fax: (432) 563-2213

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
North Sidewall 1 @ 2'	0E01005-01	Soil	04/30/20 10:18	05-01-2020 08:50
South Sidewall 1 @ 2'	0E01005-02	Soil	04/30/20 10:24	05-01-2020 08:50
Bottom Hole 1 @ 9'	0E01005-03	Soil	04/30/20 09:35	05-01-2020 08:50
East Sidewall 1 @ 2'	0E01005-04	Soil	04/30/20 09:48	05-01-2020 08:50
West Sidewall 1 @ 2'	0E01005-05	Soil	04/30/20 10:07	05-01-2020 08:50
Bottom Hole 2 @ 9'	0E01005-06	Soil	04/30/20 09:39	05-01-2020 08:50
East Sidewall 2 @ 2'	0E01005-07	Soil	04/30/20 09:50	05-01-2020 08:50
West Sidewall 2 @ 2'	0E01005-08	Soil	04/30/20 10:10	05-01-2020 08:50
Bottom Hole 3 @ 9'	0E01005-09	Soil	04/30/20 14:30	05-01-2020 08:50
East Sidewall 3 @ 2'	0E01005-10	Soil	04/30/20 14:45	05-01-2020 08:50
West Sidewall 3 @ 2'	0E01005-11	Soil	04/30/20 14:40	05-01-2020 08:50
Bottom Hole 4 @ 9'	0E01005-12	Soil	04/30/20 15:12	05-01-2020 08:50
East Sidewall 4 @ 2'	0E01005-13	Soil	04/30/20 15:12	05-01-2020 08:50
West Sidewall 4 @ 2'	0E01005-14	Soil	04/30/20 15:12	05-01-2020 08:50
Bottom Hole 5 @ 9'	0E01005-15	Soil	04/30/20 15:20	05-01-2020 08:50
East Sidewall 5 @ 2'	0E01005-16	Soil	04/30/20 15:20	05-01-2020 08:50
West Sidewall 5 @ 2'	0E01005-17	Soil	04/30/20 15:20	05-01-2020 08:50
Bottom Hole 6 @ 9'	0E01005-18	Soil	04/30/20 15:30	05-01-2020 08:50
East Sidewall 6 @ 2'	0E01005-19	Soil	04/30/20 15:30	05-01-2020 08:50
West Sidewall 6 @ 2'	0E01005-20	Soil	04/30/20 15:30	05-01-2020 08:50
Bottom Hole 7 @ 9'	0E01005-21	Soil	04/30/20 15:40	05-01-2020 08:50
East Sidewall 7 @ 2'	0E01005-22	Soil	04/30/20 15:40	05-01-2020 08:50
West Sidewall 7 @ 2'	0E01005-23	Soil	04/30/20 15:40	05-01-2020 08:50

On 08/31/20 PBELAB was advised by the client to change the Project name from Merchant Livestock 25 SC 2H to Merchant Livestock 24 SC 24. This revised report reflects that change.

E Tech Environmental & Safety Solutions, Inc.	Project: Centennial Merchant Livestock 24 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number: 12174	
Odessa TX, 79765	Project Manager: Matt Green	

North Sidewall 1 @ 2' 0E01005-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permia	ı Basin Eı	nvironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00139	mg/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 15:13	EPA 8021B	
Toluene	ND	0.00139	mg/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 15:13	EPA 8021B	
Ethylbenzene	ND	0.00139	mg/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 15:13	EPA 8021B	
Xylene (p/m)	ND	0.00278	mg/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 15:13	EPA 8021B	
Xylene (o)	ND	0.00139	mg/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 15:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		91.0 %	75-1	25	P0E0105	05/01/20 12:21	05/01/20 15:13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.7 %	75-1	25	P0E0105	05/01/20 12:21	05/01/20 15:13	EPA 8021B	
General Chemistry Parameters	s by EPA / St	andard M	ethods						
Chloride	23.1	6.94	mg/kg dry	5	P0E0708	05/07/20 13:08	05/08/20 03:25	EPA 300.0	
% Moisture	28.0	0.1	%	1	P0E0402	05/04/20 09:01	05/04/20 10:12	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by l	EPA Meth	od 8015N	Λ					
C6-C12	ND	34.7	mg/kg dry	1	P0E0111	05/01/20 15:02	05/02/20 10:34	TPH 8015M	
>C12-C28	ND	34.7	mg/kg dry	1	P0E0111	05/01/20 15:02	05/02/20 10:34	TPH 8015M	
>C28-C35	ND	34.7	mg/kg dry	1	P0E0111	05/01/20 15:02	05/02/20 10:34	TPH 8015M	
Surrogate: 1-Chlorooctane		106 %	70-1	30	P0E0111	05/01/20 15:02	05/02/20 10:34	TPH 8015M	
Surrogate: o-Terphenyl		114 %	70-1	30	P0E0111	05/01/20 15:02	05/02/20 10:34	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	34.7	mg/kg dry	1	[CALC]	05/01/20 15:02	05/02/20 10:34	calc	

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solu 13000 West County Road 100 Odessa TX, 79765			oject Numbe		1erchant Livestock 24 S	Fax: (432) 56	53-2213		
					lewall 1 @ 2	,			
				0E010)5-02 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permia	n Basin En	vironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00119	mg/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 15:34	EPA 8021B	
Toluene	ND	0.00119	mg/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 15:34	EPA 8021B	
Ethylbenzene	ND	0.00119	mg/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 15:34	EPA 8021B	
Xylene (p/m)	ND	0.00238	mg/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 15:34	EPA 8021B	
Xylene (o)	ND	0.00119	mg/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 15:34	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.7 %	75-	125	P0E0105	05/01/20 12:21	05/01/20 15:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		91.3 %	75-	125	P0E0105	05/01/20 12:21	05/01/20 15:34	EPA 8021B	
General Chemistry Parameters	by EPA / St	andard Me	ethods						
Chloride	15.2	1.19	mg/kg dry	1	P0E0708	05/07/20 13:08	05/08/20 03:40	EPA 300.0	
% Moisture	16.0	0.1	%	1	P0E0402	05/04/20 09:01	05/04/20 10:12	ASTM D2216	
Total Petroleum Hydrocarbons (C6-C35 by l	EPA Metho	od 80151	М					
C6-C12	ND	29.8	mg/kg dry	1	P0E0111	05/01/20 15:02	05/02/20 10:57	TPH 8015M	
>C12-C28	ND	29.8	mg/kg dry	1	P0E0111	05/01/20 15:02	05/02/20 10:57	TPH 8015M	
>C28-C35	ND	29.8	mg/kg dry	1	P0E0111	05/01/20 15:02	05/02/20 10:57	TPH 8015M	
Surrogate: 1-Chlorooctane		102 %	70-	130	P0E0111	05/01/20 15:02	05/02/20 10:57	TPH 8015M	
Surrogate: o-Terphenyl		111 %	70-	130	P0E0111	05/01/20 15:02	05/02/20 10:57	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.8	mg/kg dry	1	[CALC]	05/01/20 15:02	05/02/20 10:57	calc	

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Sol 13000 West County Road 100 Odessa TX, 79765	utions, Inc.	Project: Centennial Merchant Livestock 24 SC 2H Project Number: 12174 Project Manager: Matt Green				Fax: (432) 56	53-2213	
				Hole 1 @ 9'				
			0E010	05-03 (Soil)				
Analyte	Result	Reporting Limit Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Perm	ian Basin Er	ivironmental l	Lab, L.P.			
BTEX by 8021B								
Benzene	ND	0.00115 mg/kg	dry 1	P0E0105	05/01/20 12:21	05/01/20 15:55	EPA 8021B	
Toluene	ND	0.00115 mg/kg	dry 1	P0E0105	05/01/20 12:21	05/01/20 15:55	EPA 8021B	
Ethylbenzene	ND	0.00115 mg/kg	dry 1	P0E0105	05/01/20 12:21	05/01/20 15:55	EPA 8021B	
Xylene (p/m)	ND	0.00230 mg/kg	dry 1	P0E0105	05/01/20 12:21	05/01/20 15:55	EPA 8021B	
Xylene (o)	ND	0.00115 mg/kg	dry 1	P0E0105	05/01/20 12:21	05/01/20 15:55	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		92.8 %	75-125	P0E0105	05/01/20 12:21	05/01/20 15:55	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.6 %	75-125	P0E0105	05/01/20 12:21	05/01/20 15:55	EPA 8021B	
General Chemistry Parameters	by EPA / St	andard Method	5					
Chloride	99.7	5.75 mg/kg		P0E0708	05/07/20 13:08	05/08/20 03:56	EPA 300.0	
% Moisture	13.0	0.1 %	1	P0E0402	05/04/20 09:01	05/04/20 10:12	ASTM D2216	
Total Petroleum Hydrocarbons (C6-C35 by I	EPA Method 801	15M					
C6-C12	ND	28.7 mg/kg	dry 1	P0E0111	05/01/20 15:02	05/02/20 11:20	TPH 8015M	
>C12-C28	ND	28.7 mg/kg	dry 1	P0E0111	05/01/20 15:02	05/02/20 11:20	TPH 8015M	
>C28-C35	ND	28.7 mg/kg	dry 1	P0E0111	05/01/20 15:02	05/02/20 11:20	TPH 8015M	
Surrogate: 1-Chlorooctane		105 %	70-130	P0E0111	05/01/20 15:02	05/02/20 11:20	TPH 8015M	
Surrogate: o-Terphenyl		113 %	70-130	P0E0111	05/01/20 15:02	05/02/20 11:20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.7 mg/kg	dry 1	[CALC]	05/01/20 15:02	05/02/20 11:20	calc	

E Tech Environmental & Safety Soluti 13000 West County Road 100 Odessa TX, 79765	ions, Inc.	. Project: Centennial Merchant Livestock 24 SC 2H Project Number: 12174 Project Manager: Matt Green				C 2H	Fax: (432) 56	53-2213
			East Sid	ewall 1 @ 2'				
			0E010	05-04 (Soil)				
Analyte	Result	Reporting Limit Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Perr	nian Basin Er	vironmental l	Lab, L.P.			
BTEX by 8021B								
Benzene	ND	0.00139 mg/kg	dry 1	P0E0105	05/01/20 12:21	05/01/20 16:15	EPA 8021B	
Toluene	ND	0.00139 mg/kg	dry 1	P0E0105	05/01/20 12:21	05/01/20 16:15	EPA 8021B	
Ethylbenzene	ND	0.00139 mg/kg	dry 1	P0E0105	05/01/20 12:21	05/01/20 16:15	EPA 8021B	
Xylene (p/m)	ND	0.00278 mg/kg	dry 1	P0E0105	05/01/20 12:21	05/01/20 16:15	EPA 8021B	
Xylene (o)	ND	0.00139 mg/kg	dry 1	P0E0105	05/01/20 12:21	05/01/20 16:15	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.2 %	75-125	P0E0105	05/01/20 12:21	05/01/20 16:15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		90.0 %	75-125	P0E0105	05/01/20 12:21	05/01/20 16:15	EPA 8021B	
General Chemistry Parameters by	EPA / St	andard Method	ls					
Chloride	17.9	1.39 mg/kg	dry 1	P0E0708	05/07/20 13:08	05/08/20 04:12	EPA 300.0	
% Moisture	28.0	0.1 %	1	P0E0402	05/04/20 09:01	05/04/20 10:12	ASTM D2216	
Total Petroleum Hydrocarbons C6	6-C35 by l	EPA Method 80	15M					
C6-C12	ND	34.7 mg/kg	dry 1	P0E0111	05/01/20 15:02	05/02/20 11:43	TPH 8015M	
>C12-C28	ND	34.7 mg/kg	dry 1	P0E0111	05/01/20 15:02	05/02/20 11:43	TPH 8015M	
>C28-C35	ND	34.7 mg/kg	dry 1	P0E0111	05/01/20 15:02	05/02/20 11:43	TPH 8015M	
Surrogate: 1-Chlorooctane		106 %	70-130	P0E0111	05/01/20 15:02	05/02/20 11:43	TPH 8015M	
Surrogate: o-Terphenyl		114 %	70-130	P0E0111	05/01/20 15:02	05/02/20 11:43	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	34.7 mg/kg	dry 1	[CALC]	05/01/20 15:02	05/02/20 11:43	calc	

E Tech Environmental & Safety Solu 13000 West County Road 100 Odessa TX, 79765	utions, Inc.	Project: Centennial Merchant Livestock 24 SC 2H Project Number: 12174 Project Manager: Matt Green				Fax: (432) 56	53-2213		
				West Sid	ewall 1 @ 2'				
				0E0100	5-05 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		1	Permia	n Basin En	vironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00156 n	ng/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 16:36	EPA 8021B	
Toluene	ND	0.00156 n	ng/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 16:36	EPA 8021B	
Ethylbenzene	ND	0.00156 n	ng/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 16:36	EPA 8021B	
Xylene (p/m)	ND	0.00312 n	ng/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 16:36	EPA 8021B	
Xylene (o)	ND	0.00156 n	ng/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 16:36	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		90.9 %	75-1	25	P0E0105	05/01/20 12:21	05/01/20 16:36	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.5 %	75-1	25	P0E0105	05/01/20 12:21	05/01/20 16:36	EPA 8021B	
General Chemistry Parameters h	oy EPA / Sta	andard Me	thods						
Chloride	33.6	1.56 n	ng/kg dry	1	P0E0708	05/07/20 13:08	05/08/20 04:28	EPA 300.0	
% Moisture	36.0	0.1	%	1	P0E0402	05/04/20 09:01	05/04/20 10:12	ASTM D2216	
Total Petroleum Hydrocarbons (C6-C35 by I	EPA Metho	d 8015N	4					
C6-C12	ND	39.1 n	ng/kg dry	1	P0E0201	05/02/20 14:00	05/03/20 19:59	TPH 8015M	
>C12-C28	ND	39.1 n	ng/kg dry	1	P0E0201	05/02/20 14:00	05/03/20 19:59	TPH 8015M	
>C28-C35	ND	39.1 n	ng/kg dry	1	P0E0201	05/02/20 14:00	05/03/20 19:59	TPH 8015M	
Surrogate: 1-Chlorooctane		90.4 %	70-1	30	P0E0201	05/02/20 14:00	05/03/20 19:59	TPH 8015M	
Surrogate: o-Terphenyl		97.2 %	70-1	30	P0E0201	05/02/20 14:00	05/03/20 19:59	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	39.1 n	ng/kg dry	1	[CALC]	05/02/20 14:00	05/03/20 19:59	calc	

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety So 13000 West County Road 100 Odessa TX, 79765	lutions, Inc.	Project: Centennial Merchant Livestock 24 SC 2H Project Number: 12174 Project Manager: Matt Green				Fax: (432) 56	53-2213	
			Bottom	Hole 2 @ 9'				
			0E010	05-06 (Soil)				
Analyte	Result	Reporting Limit Uni	ts Dilution	Batch	Prepared	Analyzed	Method	Notes
		Per	mian Basin E	nvironmental	Lab, L.P.			
BTEX by 8021B								
Benzene	ND	0.00141 mg/k	g dry 1	P0E0105	05/01/20 12:21	05/01/20 16:56	EPA 8021B	
Toluene	ND	0.00141 mg/k	g dry 1	P0E0105	05/01/20 12:21	05/01/20 16:56	EPA 8021B	
Ethylbenzene	ND	0.00141 mg/k	g dry 1	P0E0105	05/01/20 12:21	05/01/20 16:56	EPA 8021B	
Xylene (p/m)	ND	0.00282 mg/k	g dry 1	P0E0105	05/01/20 12:21	05/01/20 16:56	EPA 8021B	
Xylene (o)	ND	0.00141 mg/k	g dry 1	P0E0105	05/01/20 12:21	05/01/20 16:56	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		90.0 %	75-125	P0E0105	05/01/20 12:21	05/01/20 16:56	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.0 %	75-125	P0E0105	05/01/20 12:21	05/01/20 16:56	EPA 8021B	
General Chemistry Parameters	by EPA / Sta	andard Metho	ds					
Chloride	41.4	1.41 mg/k	g dry 1	P0E0708	05/07/20 13:08	05/08/20 05:15	EPA 300.0	
% Moisture	29.0	0.1	6 1	P0E0402	05/04/20 09:01	05/04/20 10:12	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by l	EPA Method 8	015M					
C6-C12	ND	35.2 mg/k	g dry 1	P0E0201	05/02/20 14:00	05/03/20 20:21	TPH 8015M	
>C12-C28	ND	35.2 mg/k	g dry 1	P0E0201	05/02/20 14:00	05/03/20 20:21	TPH 8015M	
>C28-C35	ND	35.2 mg/k	g dry 1	P0E0201	05/02/20 14:00	05/03/20 20:21	TPH 8015M	
Surrogate: 1-Chlorooctane		102 %	70-130	P0E0201	05/02/20 14:00	05/03/20 20:21	TPH 8015M	
Surrogate: o-Terphenyl		110 %	70-130	P0E0201	05/02/20 14:00	05/03/20 20:21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	35.2 mg/k	g dry 1	[CALC]	05/02/20 14:00	05/03/20 20:21	calc	

E Tech Environmental & Safety Solution 13000 West County Road 100 Odessa TX, 79765	ons, Inc.	Project: Centennial Merchant Livestock 24 SC 2H Project Number: 12174 Project Manager: Matt Green				Fax: (432) 56	53-2213		
				East Sid	ewall 2 @ 2'				
				0E010(95-07 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permia	ı Basin En	vironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00132 1	ng/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 17:16	EPA 8021B	
Toluene	ND	0.00132 1	ng/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 17:16	EPA 8021B	
Ethylbenzene	ND	0.00132 1	ng/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 17:16	EPA 8021B	
Xylene (p/m)	ND	0.00263 1	ng/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 17:16	EPA 8021B	
Xylene (o)	ND	0.00132 1	ng/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 17:16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.7 %	75-1	25	P0E0105	05/01/20 12:21	05/01/20 17:16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		89.6 %	75-1	25	P0E0105	05/01/20 12:21	05/01/20 17:16	EPA 8021B	
General Chemistry Parameters by	EPA / Sta	andard Me	ethods						
Chloride	190	1.32 1	ng/kg dry	1	P0E0708	05/07/20 13:08	05/08/20 06:03	EPA 300.0	
% Moisture	24.0	0.1	%	1	P0E0402	05/04/20 09:01	05/04/20 10:12	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by 1	EPA Metho	od 8015N	4					
C6-C12	ND	32.9 1	ng/kg dry	1	P0E0201	05/02/20 14:00	05/03/20 20:42	TPH 8015M	
>C12-C28	ND	32.9 1	ng/kg dry	1	P0E0201	05/02/20 14:00	05/03/20 20:42	TPH 8015M	
>C28-C35	ND	32.9 1	ng/kg dry	1	P0E0201	05/02/20 14:00	05/03/20 20:42	TPH 8015M	
Surrogate: 1-Chlorooctane		99.8 %	70-1	30	P0E0201	05/02/20 14:00	05/03/20 20:42	TPH 8015M	
Surrogate: o-Terphenyl		109 %	70-1	30	P0E0201	05/02/20 14:00	05/03/20 20:42	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	32.9 1	ng/kg dry	1	[CALC]	05/02/20 14:00	05/03/20 20:42	calc	

E Tech Environmental & Safety So 13000 West County Road 100 Odessa TX, 79765	olutions, Inc.	Project: Centennial Merchant Livestock 24 SC 2H Project Number: 12174 Project Manager: Matt Green					Fax: (432) 56	53-2213	
					ewall 2 @ 2'				
				0E010(95-08 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permia	n Basin En	vironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00125	mg/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 17:37	EPA 8021B	
Toluene	ND	0.00125	mg/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 17:37	EPA 8021B	
Ethylbenzene	ND	0.00125	mg/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 17:37	EPA 8021B	
Xylene (p/m)	ND	0.00250	mg/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 17:37	EPA 8021B	
Xylene (o)	ND	0.00125	mg/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 17:37	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		91.4 %	75-	125	P0E0105	05/01/20 12:21	05/01/20 17:37	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.9 %	75-	125	P0E0105	05/01/20 12:21	05/01/20 17:37	EPA 8021B	
General Chemistry Parameters	by EPA / St	andard M	ethods						
Chloride	16.7	1.25	mg/kg dry	1	P0E0708	05/07/20 13:08	05/08/20 06:19	EPA 300.0	
% Moisture	20.0	0.1	%	1	P0E0402	05/04/20 09:01	05/04/20 10:12	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by 1	EPA Metho	od 8015	М					
C6-C12	ND	31.2	mg/kg dry	1	P0E0201	05/02/20 14:00	05/03/20 21:04	TPH 8015M	
>C12-C28	ND	31.2	mg/kg dry	1	P0E0201	05/02/20 14:00	05/03/20 21:04	TPH 8015M	
>C28-C35	ND	31.2	mg/kg dry	1	P0E0201	05/02/20 14:00	05/03/20 21:04	TPH 8015M	
Surrogate: 1-Chlorooctane		111 %	70-	130	P0E0201	05/02/20 14:00	05/03/20 21:04	TPH 8015M	
Surrogate: o-Terphenyl		119 %	70-	130	P0E0201	05/02/20 14:00	05/03/20 21:04	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND		mg/kg dry	1	[CALC]	05/02/20 14:00	05/03/20 21:04	cale	

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Sol 13000 West County Road 100 Odessa TX, 79765	utions, Inc.	Project: Centennial Merchant Livestock 24 SC 2H Project Number: 12174 Project Manager: Matt Green				Fax: (432) 56	53-2213	
			Bottom	Hole 3 @ 9'				
			0E010	05-09 (Soil)				
Analyte	Result	Reporting Limit Units	s Dilution	Batch	Prepared	Analyzed	Method	Notes
		Peri	mian Basin Er	vironmental	Lab, L.P.			
BTEX by 8021B								
Benzene	ND	0.00108 mg/kg	g dry 1	P0E0105	05/01/20 12:21	05/01/20 17:57	EPA 8021B	
Toluene	ND	0.00108 mg/kg	g dry 1	P0E0105	05/01/20 12:21	05/01/20 17:57	EPA 8021B	
Ethylbenzene	ND	0.00108 mg/kg	g dry 1	P0E0105	05/01/20 12:21	05/01/20 17:57	EPA 8021B	
Xylene (p/m)	ND	0.00215 mg/kg	g dry 1	P0E0105	05/01/20 12:21	05/01/20 17:57	EPA 8021B	
Xylene (o)	ND	0.00108 mg/kg	g dry 1	P0E0105	05/01/20 12:21	05/01/20 17:57	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		93.4 %	75-125	P0E0105	05/01/20 12:21	05/01/20 17:57	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.8 %	75-125	P0E0105	05/01/20 12:21	05/01/20 17:57	EPA 8021B	
General Chemistry Parameters	by EPA / St	andard Metho	ds					
Chloride	72.0	1.08 mg/kg	g dry 1	P0E0708	05/07/20 13:08	05/08/20 06:34	EPA 300.0	
% Moisture	7.0	0.1 %	5 1	P0E0402	05/04/20 09:01	05/04/20 10:12	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by l	EPA Method 80	015M					
C6-C12	ND	26.9 mg/kg	g dry 1	P0E0201	05/02/20 14:00	05/03/20 21:25	TPH 8015M	
>C12-C28	ND	26.9 mg/kg	g dry 1	P0E0201	05/02/20 14:00	05/03/20 21:25	TPH 8015M	
>C28-C35	ND	26.9 mg/kg	g dry 1	P0E0201	05/02/20 14:00	05/03/20 21:25	TPH 8015M	
Surrogate: 1-Chlorooctane		110 %	70-130	P0E0201	05/02/20 14:00	05/03/20 21:25	TPH 8015M	
Surrogate: o-Terphenyl		118 %	70-130	P0E0201	05/02/20 14:00	05/03/20 21:25	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9 mg/kg	g dry 1	[CALC]	05/02/20 14:00	05/03/20 21:25	calc	

E Tech Environmental & Safety Soluti 13000 West County Road 100 Odessa TX, 79765	ons, Inc.	Project: Centennial Merchant Livestock 24 SC 2H Project Number: 12174 Project Manager: Matt Green				Fax: (432) 56	53-2213		
				East Sid	ewall 3 @ 2'				
				0E010(95-10 (Soil)				
Analyte	Result	Reporting Limit U	nits	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermiar	ı Basin En	vironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00145 mg	/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 18:18	EPA 8021B	
Toluene	ND	0.00145 mg	/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 18:18	EPA 8021B	
Ethylbenzene	ND	0.00145 mg	/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 18:18	EPA 8021B	
Xylene (p/m)	ND	0.00290 mg	/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 18:18	EPA 8021B	
Xylene (o)	ND	0.00145 mg	/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 18:18	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.5 %	75-1	25	P0E0105	05/01/20 12:21	05/01/20 18:18	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		90.6 %	75-1	25	P0E0105	05/01/20 12:21	05/01/20 18:18	EPA 8021B	
General Chemistry Parameters by	EPA / St	andard Metl	nods						
Chloride	202	1.45 mg	/kg dry	1	P0E0708	05/07/20 13:08	05/08/20 06:50	EPA 300.0	
% Moisture	31.0	0.1	%	1	P0E0402	05/04/20 09:01	05/04/20 10:12	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by 1	EPA Method	8015N	1					
C6-C12	ND	36.2 mg	/kg dry	1	P0E0201	05/02/20 14:00	05/03/20 22:29	TPH 8015M	
>C12-C28	ND	36.2 mg	/kg dry	1	P0E0201	05/02/20 14:00	05/03/20 22:29	TPH 8015M	
>C28-C35	ND	36.2 mg	/kg dry	1	P0E0201	05/02/20 14:00	05/03/20 22:29	TPH 8015M	
Surrogate: 1-Chlorooctane		107 %	70-1	30	P0E0201	05/02/20 14:00	05/03/20 22:29	TPH 8015M	
Surrogate: o-Terphenyl		117 %	70-1	30	P0E0201	05/02/20 14:00	05/03/20 22:29	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	36.2 mg	/kg dry	1	[CALC]	05/02/20 14:00	05/03/20 22:29	calc	

E Tech Environmental & Safety Sol 13000 West County Road 100 Odessa TX, 79765	utions, Inc.	Project: Centennial Merchant Livestock 24 SC 2H Project Number: 12174 Project Manager: Matt Green					Fax: (432) 56	53-2213	
				West Sid	ewall 3 @ 2'				
				0E010(95-11 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permia	n Basin En	vironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00152	mg/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 19:18	EPA 8021B	
Toluene	ND	0.00152	mg/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 19:18	EPA 8021B	
Ethylbenzene	ND	0.00152	mg/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 19:18	EPA 8021B	
Xylene (p/m)	ND	0.00303	mg/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 19:18	EPA 8021B	
Xylene (o)	ND	0.00152	mg/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 19:18	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.6%	75-	125	P0E0105	05/01/20 12:21	05/01/20 19:18	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		88.8 %	75-	125	P0E0105	05/01/20 12:21	05/01/20 19:18	EPA 8021B	
General Chemistry Parameters	by EPA / St	andard M	ethods						
Chloride	358	1.52	mg/kg dry	1	P0E0708	05/07/20 13:08	05/08/20 07:06	EPA 300.0	
% Moisture	34.0	0.1	%	1	P0E0402	05/04/20 09:01	05/04/20 10:12	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by l	EPA Meth	od 8015	М					
C6-C12	ND	37.9	mg/kg dry	1	P0E0201	05/02/20 14:00	05/03/20 22:51	TPH 8015M	
>C12-C28	ND	37.9	mg/kg dry	1	P0E0201	05/02/20 14:00	05/03/20 22:51	TPH 8015M	
>C28-C35	ND	37.9	mg/kg dry	1	P0E0201	05/02/20 14:00	05/03/20 22:51	TPH 8015M	
Surrogate: 1-Chlorooctane		109 %	70-	130	P0E0201	05/02/20 14:00	05/03/20 22:51	TPH 8015M	
Surrogate: o-Terphenyl		117 %	70-	130	P0E0201	05/02/20 14:00	05/03/20 22:51	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	37.9	mg/kg dry	1	[CALC]	05/02/20 14:00	05/03/20 22:51	calc	

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Sol 13000 West County Road 100 Odessa TX, 79765	utions, Inc.	1	Fax: (432) 56	3-2213				
			Bottom	Hole 4 @ 9'				
			0E010	05-12 (Soil)				
Analyte	Result	Reporting Limit Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Perm	ian Basin Er	ivironmental l	Lab, L.P.			
BTEX by 8021B								
Benzene	ND	0.00123 mg/kg	lry 1	P0E0105	05/01/20 12:21	05/01/20 19:39	EPA 8021B	
Toluene	ND	0.00123 mg/kg	lry 1	P0E0105	05/01/20 12:21	05/01/20 19:39	EPA 8021B	
Ethylbenzene	ND	0.00123 mg/kg	lry 1	P0E0105	05/01/20 12:21	05/01/20 19:39	EPA 8021B	
Xylene (p/m)	ND	0.00247 mg/kg o	lry 1	P0E0105	05/01/20 12:21	05/01/20 19:39	EPA 8021B	
Xylene (o)	ND	0.00123 mg/kg	lry 1	P0E0105	05/01/20 12:21	05/01/20 19:39	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.6 % 7	5-125	P0E0105	05/01/20 12:21	05/01/20 19:39	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		90.7 % 7	5-125	P0E0105	05/01/20 12:21	05/01/20 19:39	EPA 8021B	
General Chemistry Parameters	by EPA / Sta	andard Method	6					
Chloride	263	1.23 mg/kg	lry 1	P0E0708	05/07/20 13:08	05/08/20 07:22	EPA 300.0	
% Moisture	19.0	0.1 %	1	P0E0402	05/04/20 09:01	05/04/20 10:12	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by I	EPA Method 801	5M					
C6-C12	ND	30.9 mg/kg	lry 1	P0E0201	05/02/20 14:00	05/03/20 23:12	TPH 8015M	
>C12-C28	ND	30.9 mg/kg	lry 1	P0E0201	05/02/20 14:00	05/03/20 23:12	TPH 8015M	
>C28-C35	ND	30.9 mg/kg	lry 1	P0E0201	05/02/20 14:00	05/03/20 23:12	TPH 8015M	
Surrogate: 1-Chlorooctane		102 % 7	0-130	P0E0201	05/02/20 14:00	05/03/20 23:12	TPH 8015M	
Surrogate: o-Terphenyl		112 % 7	0-130	P0E0201	05/02/20 14:00	05/03/20 23:12	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	30.9 mg/kg o	lry 1	[CALC]	05/02/20 14:00	05/03/20 23:12	calc	

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solut 13000 West County Road 100 Odessa TX, 79765	ions, Inc.	Project: Centennial Merchant Livestock 24 SC 2H Project Number: 12174 Project Manager: Matt Green				Fax: (432) 56	53-2213		
				East Sid	ewall 4 @ 2'				
				0E010)5-13 (Soil)				
Analyte	Result	Reporting Limit Un	its	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Pe	rmian	Basin En	vironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00128 mg/	kg dry	1	P0E0105	05/01/20 12:21	05/01/20 19:59	EPA 8021B	
Toluene	ND	0.00128 mg/	kg dry	1	P0E0105	05/01/20 12:21	05/01/20 19:59	EPA 8021B	
Ethylbenzene	ND	0.00128 mg/	kg dry	1	P0E0105	05/01/20 12:21	05/01/20 19:59	EPA 8021B	
Xylene (p/m)	ND	0.00256 mg/	kg dry	1	P0E0105	05/01/20 12:21	05/01/20 19:59	EPA 8021B	
Xylene (o)	ND	0.00128 mg/	kg dry	1	P0E0105	05/01/20 12:21	05/01/20 19:59	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.5 %	75-12	25	P0E0105	05/01/20 12:21	05/01/20 19:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		89.7 %	75-12	25	P0E0105	05/01/20 12:21	05/01/20 19:59	EPA 8021B	
General Chemistry Parameters by	y EPA / Sta	andard Meth	ods						
Chloride	6.50	1.28 mg/	kg dry	1	P0E0708	05/07/20 13:08	05/08/20 07:38	EPA 300.0	
% Moisture	22.0	0.1	%	1	P0E0402	05/04/20 09:01	05/04/20 10:12	ASTM D2216	
Total Petroleum Hydrocarbons C	6-C35 by l	EPA Method	8015M	[
C6-C12	ND	32.1 mg/	kg dry	1	P0E0201	05/02/20 14:00	05/03/20 23:33	TPH 8015M	
>C12-C28	ND	32.1 mg/	kg dry	1	P0E0201	05/02/20 14:00	05/03/20 23:33	TPH 8015M	
>C28-C35	ND	32.1 mg/	kg dry	1	P0E0201	05/02/20 14:00	05/03/20 23:33	TPH 8015M	
Surrogate: 1-Chlorooctane		108 %	70-1.	30	P0E0201	05/02/20 14:00	05/03/20 23:33	TPH 8015M	
Surrogate: o-Terphenyl		118 %	70-1.	30	P0E0201	05/02/20 14:00	05/03/20 23:33	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	32.1 mg/	kg dry	1	[CALC]	05/02/20 14:00	05/03/20 23:33	calc	

E Tech Environmental & Safety Solu 13000 West County Road 100 Odessa TX, 79765	utions, Inc.	ons, Inc. Project: Centennial Merchant Livestock 24 SC 2H Project Number: 12174 Project Manager: Matt Green					Fax: (432) 56	53-2213	
					lewall 4 @ 2' 05-14 (Soil)				
				UEUIU	JS-14 (SUII)				
Analyte	Result	Reporting Limit Ur	nits	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Pe	ermiar	Basin En	vironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00125 mg	/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 20:19	EPA 8021B	
Toluene	ND	0.00125 mg	/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 20:19	EPA 8021B	
Ethylbenzene	ND	0.00125 mg	/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 20:19	EPA 8021B	
Xylene (p/m)	ND	0.00250 mg/	/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 20:19	EPA 8021B	
Xylene (o)	ND	0.00125 mg/	/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 20:19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		95.9 %	75-1	25	P0E0105	05/01/20 12:21	05/01/20 20:19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		91.8 %	75-1	25	P0E0105	05/01/20 12:21	05/01/20 20:19	EPA 8021B	
General Chemistry Parameters I	oy EPA / St	andard Meth	ods						
Chloride	36.3	1.25 mg/	/kg dry	1	P0E0708	05/07/20 13:08	05/08/20 07:54	EPA 300.0	
% Moisture	20.0	0.1	%	1	P0E0402	05/04/20 09:01	05/04/20 10:12	ASTM D2216	
Total Petroleum Hydrocarbons (C6-C35 by l	EPA Method	<u>8015N</u>	1					
C6-C12	ND	31.2 mg/	/kg dry	1	P0E0201	05/02/20 14:00	05/03/20 23:55	TPH 8015M	
>C12-C28	ND	31.2 mg/	/kg dry	1	P0E0201	05/02/20 14:00	05/03/20 23:55	TPH 8015M	
>C28-C35	ND	31.2 mg/	/kg dry	1	P0E0201	05/02/20 14:00	05/03/20 23:55	TPH 8015M	
Surrogate: 1-Chlorooctane		110 %	70-1	30	P0E0201	05/02/20 14:00	05/03/20 23:55	TPH 8015M	
Surrogate: o-Terphenyl		122 %	70-1	30	P0E0201	05/02/20 14:00	05/03/20 23:55	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	31.2 mg/	/kg dry	1	[CALC]	05/02/20 14:00	05/03/20 23:55	calc	

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. 13000 West County Road 100 Odessa TX, 79765		Project: Project Number: Project Manager:						Fax: (432) 56	53-2213
]	Bottom	Hole 5 @ 9'				
0E01005-15 (Soil)									
Analyte	Result	Reporting Limit Un	its I	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Pe	rmian 1	Basin En	vironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00114 mg/	kg dry	1	P0E0105	05/01/20 12:21	05/01/20 20:40	EPA 8021B	
Toluene	ND	0.00114 mg/	kg dry	1	P0E0105	05/01/20 12:21	05/01/20 20:40	EPA 8021B	
Ethylbenzene	ND	0.00114 mg/	kg dry	1	P0E0105	05/01/20 12:21	05/01/20 20:40	EPA 8021B	
Xylene (p/m)	ND	0.00227 mg/	kg dry	1	P0E0105	05/01/20 12:21	05/01/20 20:40	EPA 8021B	
Xylene (o)	ND	0.00114 mg/	kg dry	1	P0E0105	05/01/20 12:21	05/01/20 20:40	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		95.1 %	75-12	5	P0E0105	05/01/20 12:21	05/01/20 20:40	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		92.3 %	75-12	5	P0E0105	05/01/20 12:21	05/01/20 20:40	EPA 8021B	
General Chemistry Parameters b	oy EPA / Sta	andard Meth	ods						
Chloride	182	5.68 mg/	kg dry	5	P0E0708	05/07/20 13:08	05/08/20 08:09	EPA 300.0	
% Moisture	12.0	0.1	%	1	P0E0402	05/04/20 09:01	05/04/20 10:12	ASTM D2216	
Total Petroleum Hydrocarbons (C6-C35 by l	EPA Method	8015M						
C6-C12	ND	28.4 mg/	kg dry	1	P0E0201	05/02/20 14:00	05/04/20 00:16	TPH 8015M	
>C12-C28	ND	28.4 mg/	kg dry	1	P0E0201	05/02/20 14:00	05/04/20 00:16	TPH 8015M	
>C28-C35	ND	28.4 mg/	kg dry	1	P0E0201	05/02/20 14:00	05/04/20 00:16	TPH 8015M	
Surrogate: 1-Chlorooctane		110 %	70-13	0	P0E0201	05/02/20 14:00	05/04/20 00:16	TPH 8015M	
Surrogate: o-Terphenyl		121 %	70-13	0	P0E0201	05/02/20 14:00	05/04/20 00:16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.4 mg/	kg dry	1	[CALC]	05/02/20 14:00	05/04/20 00:16	calc	

E Tech Environmental & Safety Solu 13000 West County Road 100 Odessa TX, 79765	tions, Inc.			oject Numbe		ferchant Livestock 24 St	Fax: (432) 56	53-2213	
				East Sid	ewall 5 @ 2'				
				0E010(95-16 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permia	n Basin En	vironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00128 1	ng/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 21:01	EPA 8021B	
Toluene	ND	0.00128 1	ng/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 21:01	EPA 8021B	
Ethylbenzene	ND	0.00128 1	ng/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 21:01	EPA 8021B	
Xylene (p/m)	ND	0.00256 1	ng/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 21:01	EPA 8021B	
Xylene (o)	ND	0.00128 1	ng/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 21:01	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.4 %	75-	125	P0E0105	05/01/20 12:21	05/01/20 21:01	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		90.9 %	75-	125	P0E0105	05/01/20 12:21	05/01/20 21:01	EPA 8021B	
General Chemistry Parameters b	y EPA / St	andard Me	ethods						
Chloride	35.4	1.28 1	ng/kg dry	1	P0E0709	05/07/20 13:10	05/08/20 09:44	EPA 300.0	
% Moisture	22.0	0.1	%	1	P0E0402	05/04/20 09:01	05/04/20 10:12	ASTM D2216	
Total Petroleum Hydrocarbons C	6-C35 by 1	EPA Metho	od 80151	м					
C6-C12	ND	32.1 1	ng/kg dry	1	P0E0201	05/02/20 14:00	05/04/20 00:37	TPH 8015M	
>C12-C28	ND	32.1 1	ng/kg dry	1	P0E0201	05/02/20 14:00	05/04/20 00:37	TPH 8015M	
>C28-C35	ND	32.1 1	ng/kg dry	1	P0E0201	05/02/20 14:00	05/04/20 00:37	TPH 8015M	
Surrogate: 1-Chlorooctane		104 %	70-	130	P0E0201	05/02/20 14:00	05/04/20 00:37	TPH 8015M	
Surrogate: o-Terphenyl		115 %	70-	130	P0E0201	05/02/20 14:00	05/04/20 00:37	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	32.1 1	ng/kg dry	1	[CALC]	05/02/20 14:00	05/04/20 00:37	calc	

E Tech Environmental & Safety So 13000 West County Road 100 Odessa TX, 79765	lutions, Inc.			oject Numbe		ferchant Livestock 24 S	Fax: (432) 563-2213		
				West Sid	ewall 5 @ 2'				
				0E010(95-17 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permia	n Basin En	vironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00132	mg/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 21:21	EPA 8021B	
Toluene	ND	0.00132	mg/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 21:21	EPA 8021B	
Ethylbenzene	ND	0.00132	mg/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 21:21	EPA 8021B	
Xylene (p/m)	ND	0.00263	mg/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 21:21	EPA 8021B	
Xylene (o)	ND	0.00132	mg/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 21:21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.1 %	75-	125	P0E0105	05/01/20 12:21	05/01/20 21:21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		90.3 %	75-	125	P0E0105	05/01/20 12:21	05/01/20 21:21	EPA 8021B	
General Chemistry Parameters	by EPA / St	andard M	ethods						
Chloride	101	1.32	mg/kg dry	1	P0E0709	05/07/20 13:10	05/08/20 10:31	EPA 300.0	
% Moisture	24.0	0.1	%	1	P0E0402	05/04/20 09:01	05/04/20 10:12	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by 1	EPA Meth	od 8015	М					
C6-C12	ND	32.9	mg/kg dry	1	P0E0201	05/02/20 14:00	05/04/20 00:59	TPH 8015M	
>C12-C28	ND	32.9	mg/kg dry	1	P0E0201	05/02/20 14:00	05/04/20 00:59	TPH 8015M	
>C28-C35	ND	32.9	mg/kg dry	1	P0E0201	05/02/20 14:00	05/04/20 00:59	TPH 8015M	
Surrogate: 1-Chlorooctane		107 %	70-	130	P0E0201	05/02/20 14:00	05/04/20 00:59	TPH 8015M	
Surrogate: o-Terphenyl		118 %	70-	130	P0E0201	05/02/20 14:00	05/04/20 00:59	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	32.9	mg/kg dry	1	[CALC]	05/02/20 14:00	05/04/20 00:59	calc	

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solu 13000 West County Road 100 Odessa TX, 79765	tions, Inc.		Project Nu	roject: Centennia 1mber: 12174 nager: Matt Gree	l Merchant Livestock 24	Fax: (432) 5	63-2213	
			Bott	om Hole 6 @	9'			
			0E	01005-18 (Soil)				
Analyte	Result	Reporting Limit Uni	ts Dilutio	on Batch	Prepared	Analyzed	Method	Notes
		Per	mian Basi	n Environmenta	al Lab, L.P.			
BTEX by 8021B								
Benzene	ND	0.00127 mg/k	g dry 1	P0E0105	05/01/20 12:21	05/01/20 21:41	EPA 8021B	
Toluene	ND	0.00127 mg/k	g dry 1	P0E0105	05/01/20 12:21	05/01/20 21:41	EPA 8021B	
Ethylbenzene	ND	0.00127 mg/k	g dry 1	P0E0105	05/01/20 12:21	05/01/20 21:41	EPA 8021B	
Xylene (p/m)	ND	0.00253 mg/k	g dry 1	P0E0105	05/01/20 12:21	05/01/20 21:41	EPA 8021B	
Xylene (o)	ND	0.00127 mg/k	g dry 1	P0E0105	05/01/20 12:21	05/01/20 21:41	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.5 %	75-125	P0E0105	05/01/20 12:21	05/01/20 21:41	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		90.8 %	75-125	P0E0105	05/01/20 12:21	05/01/20 21:41	EPA 8021B	
General Chemistry Parameters b	y EPA / St	andard Metho	ods					
Chloride	21.1	1.27 mg/k	g dry 1	P0E0709	05/07/20 13:10	05/08/20 10:47	EPA 300.0	
% Moisture	21.0	0.1	6 1	P0E0402	05/04/20 09:01	05/04/20 10:12	ASTM D2216	
Total Petroleum Hydrocarbons C	6-C35 by 1	EPA Method 8	015M					
C6-C12	ND	31.6 mg/k	g dry 1	P0E0201	05/02/20 14:00	05/04/20 01:20	TPH 8015M	
>C12-C28	ND	31.6 mg/k	g dry 1	P0E0201	05/02/20 14:00	05/04/20 01:20	TPH 8015M	
>C28-C35	ND	31.6 mg/k	g dry 1	P0E0201	05/02/20 14:00	05/04/20 01:20	TPH 8015M	
Surrogate: 1-Chlorooctane		105 %	70-130	P0E0201	05/02/20 14:00	05/04/20 01:20	TPH 8015M	
Surrogate: o-Terphenyl		117 %	70-130	P0E0201	05/02/20 14:00	05/04/20 01:20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	31.6 mg/k	ng dry 1	[CALC]	05/02/20 14:00	05/04/20 01:20	calc	

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solution 13000 West County Road 100 Odessa TX, 79765	ns, Inc.			oject Numbe		ferchant Livestock 24 St	Fax: (432) 56	53-2213	
				East Sid	ewall 6 @ 2'				
				0E010(95-19 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permia	n Basin En	vironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00128 1	ng/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 22:02	EPA 8021B	
Toluene	ND	0.00128 1	ng/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 22:02	EPA 8021B	
Ethylbenzene	ND	0.00128 1	ng/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 22:02	EPA 8021B	
Xylene (p/m)	ND	0.00256 1	ng/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 22:02	EPA 8021B	
Xylene (o)	ND	0.00128 1	ng/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 22:02	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		91.1 %	75-	125	P0E0105	05/01/20 12:21	05/01/20 22:02	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.8 %	75	125	P0E0105	05/01/20 12:21	05/01/20 22:02	EPA 8021B	
General Chemistry Parameters by F	EPA / St	andard Me	ethods						
Chloride	8.95	1.28 1	ng/kg dry	1	P0E0709	05/07/20 13:10	05/08/20 11:03	EPA 300.0	
% Moisture	22.0	0.1	%	1	P0E0402	05/04/20 09:01	05/04/20 10:12	ASTM D2216	
Total Petroleum Hydrocarbons C6-0	C 35 by I	EPA Metho	od 8015N	м					
C6-C12	ND	32.1	ng/kg dry	1	P0E0201	05/02/20 14:00	05/04/20 01:42	TPH 8015M	
>C12-C28	ND	32.1	ng/kg dry	1	P0E0201	05/02/20 14:00	05/04/20 01:42	TPH 8015M	
>C28-C35	ND	32.1	ng/kg dry	1	P0E0201	05/02/20 14:00	05/04/20 01:42	TPH 8015M	
Surrogate: 1-Chlorooctane		99.7 %	70	130	P0E0201	05/02/20 14:00	05/04/20 01:42	TPH 8015M	
Surrogate: o-Terphenyl		111 %	70	130	P0E0201	05/02/20 14:00	05/04/20 01:42	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	32.1	ng/kg dry	1	[CALC]	05/02/20 14:00	05/04/20 01:42	calc	

E Tech Environmental & Safety Sol 13000 West County Road 100 Odessa TX, 79765	utions, Inc.	Project: Centennial Merchant Livestock 24 SC 2H Project Number: 12174 Project Manager: Matt Green					Fax: (432) 56	53-2213	
					ewall 6 @ 2')5-20 (Soil)				
				010100	55-20 (5011)				
Analyte	Result	Reporting Limit U	nits	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Ре	ermiar	ı Basin En	vironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00152 mg	/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 22:23	EPA 8021B	
Toluene	ND	0.00152 mg	/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 22:23	EPA 8021B	
Ethylbenzene	ND	0.00152 mg	/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 22:23	EPA 8021B	
Xylene (p/m)	ND	0.00303 mg	/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 22:23	EPA 8021B	
Xylene (o)	ND	0.00152 mg	/kg dry	1	P0E0105	05/01/20 12:21	05/01/20 22:23	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.4 %	75-1	25	P0E0105	05/01/20 12:21	05/01/20 22:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		89.6 %	75-1	25	P0E0105	05/01/20 12:21	05/01/20 22:23	EPA 8021B	
General Chemistry Parameters	by EPA / Sta	andard Meth	nods						
Chloride	84.5	1.52 mg	/kg dry	1	P0E0709	05/07/20 13:10	05/08/20 11:18	EPA 300.0	
% Moisture	34.0	0.1	%	1	P0E0402	05/04/20 09:01	05/04/20 10:12	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by I	EPA Method	8015N	1					
C6-C12	ND	37.9 mg	/kg dry	1	P0E0202	05/02/20 14:00	05/02/20 16:25	TPH 8015M	
>C12-C28	ND	37.9 mg	/kg dry	1	P0E0202	05/02/20 14:00	05/02/20 16:25	TPH 8015M	
>C28-C35	ND	37.9 mg	/kg dry	1	P0E0202	05/02/20 14:00	05/02/20 16:25	TPH 8015M	
Surrogate: 1-Chlorooctane		97.7 %	70-1	30	P0E0202	05/02/20 14:00	05/02/20 16:25	TPH 8015M	
Surrogate: o-Terphenyl		105 %	70-1	30	P0E0202	05/02/20 14:00	05/02/20 16:25	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	37.9 mg	/kg dry	1	[CALC]	05/02/20 14:00	05/02/20 16:25	calc	

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Sol 13000 West County Road 100 Odessa TX, 79765	utions, Inc.		5	ect Numbe		lerchant Livestock 24 St	Fax: (432) 56	53-2213	
				Bottom	Hole 7 @ 9'				
				0E010	05-21 (Soil)				
Analyte	Result	Reporting Limit Un	its	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Pe	rmian	Basin En	vironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00114 mg/	kg dry	1	P0E0106	05/01/20 12:27	05/02/20 01:07	EPA 8021B	
Toluene	ND	0.00114 mg/	kg dry	1	P0E0106	05/01/20 12:27	05/02/20 01:07	EPA 8021B	
Ethylbenzene	ND	0.00114 mg/	kg dry	1	P0E0106	05/01/20 12:27	05/02/20 01:07	EPA 8021B	
Xylene (p/m)	ND	0.00227 mg/	kg dry	1	P0E0106	05/01/20 12:27	05/02/20 01:07	EPA 8021B	
Xylene (o)	ND	0.00114 mg/	kg dry	1	P0E0106	05/01/20 12:27	05/02/20 01:07	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		91.7 %	75-12	25	P0E0106	05/01/20 12:27	05/02/20 01:07	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.5 %	75-12	25	P0E0106	05/01/20 12:27	05/02/20 01:07	EPA 8021B	
General Chemistry Parameters	by EPA / St	andard Meth	ods						
Chloride	63.6	1.14 mg/	kg dry	1	P0E0709	05/07/20 13:10	05/08/20 11:34	EPA 300.0	
% Moisture	12.0	0.1	%	1	P0E0402	05/04/20 09:01	05/04/20 10:12	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by l	EPA Method	8015M	[
C6-C12	ND	28.4 mg/	kg dry	1	P0E0202	05/02/20 14:00	05/02/20 16:49	TPH 8015M	
>C12-C28	ND	28.4 mg/	kg dry	1	P0E0202	05/02/20 14:00	05/02/20 16:49	TPH 8015M	
>C28-C35	ND	28.4 mg/	kg dry	1	P0E0202	05/02/20 14:00	05/02/20 16:49	TPH 8015M	
Surrogate: 1-Chlorooctane		99.8 %	70-13	30	P0E0202	05/02/20 14:00	05/02/20 16:49	TPH 8015M	
Surrogate: o-Terphenyl		107 %	70-13	30	P0E0202	05/02/20 14:00	05/02/20 16:49	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.4 mg/	kg dry	1	[CALC]	05/02/20 14:00	05/02/20 16:49	calc	

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solu 13000 West County Road 100 Odessa TX, 79765	itions, Inc.			oject Numbe		Aerchant Livestock 24 St	Fax: (432) 56	53-2213	
				East Side	ewall 7 @ 2'				
				0E0100	5-22 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permia	n Basin En	vironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00130 1	ng/kg dry	1	P0E0106	05/01/20 12:27	05/02/20 01:27	EPA 8021B	
Toluene	ND	0.00130 1	ng/kg dry	1	P0E0106	05/01/20 12:27	05/02/20 01:27	EPA 8021B	
Ethylbenzene	ND	0.00130 1	ng/kg dry	1	P0E0106	05/01/20 12:27	05/02/20 01:27	EPA 8021B	
Xylene (p/m)	ND	0.00260 1	ng/kg dry	1	P0E0106	05/01/20 12:27	05/02/20 01:27	EPA 8021B	
Xylene (o)	ND	0.00130 1	ng/kg dry	1	P0E0106	05/01/20 12:27	05/02/20 01:27	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.9 %	75-	125	P0E0106	05/01/20 12:27	05/02/20 01:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		88.7 %	75-	125	P0E0106	05/01/20 12:27	05/02/20 01:27	EPA 8021B	
General Chemistry Parameters b	oy EPA / Sta	andard Me	ethods						
Chloride	4.25	1.30 1	ng/kg dry	1	P0E0709	05/07/20 13:10	05/08/20 11:50	EPA 300.0	
% Moisture	23.0	0.1	%	1	P0E0402	05/04/20 09:01	05/04/20 10:12	ASTM D2216	
Total Petroleum Hydrocarbons C	C6-C35 by l	EPA Metho	od 80151	м					
C6-C12	ND	32.5	ng/kg dry	1	P0E0202	05/02/20 14:00	05/02/20 17:13	TPH 8015M	
>C12-C28	ND	32.5 1	ng/kg dry	1	P0E0202	05/02/20 14:00	05/02/20 17:13	TPH 8015M	
>C28-C35	ND	32.5	ng/kg dry	1	P0E0202	05/02/20 14:00	05/02/20 17:13	TPH 8015M	
Surrogate: 1-Chlorooctane		99.5 %	70-	130	P0E0202	05/02/20 14:00	05/02/20 17:13	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-	130	P0E0202	05/02/20 14:00	05/02/20 17:13	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	32.5	ng/kg dry	1	[CALC]	05/02/20 14:00	05/02/20 17:13	calc	

E Tech Environmental & Safety So 13000 West County Road 100 Odessa TX, 79765	lutions, Inc.			oject Numbe	t: Centennial M r: 12174 r: Matt Green	Fax: (432) 56	53-2213		
				West Sid	ewall 7 @ 2'				
				0E010(95-23 (Soil)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permia	n Basin En	vironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00116	mg/kg dry	1	P0E0106	05/01/20 12:27	05/02/20 01:48	EPA 8021B	
Toluene	ND	0.00116	mg/kg dry	1	P0E0106	05/01/20 12:27	05/02/20 01:48	EPA 8021B	
Ethylbenzene	ND	0.00116	mg/kg dry	1	P0E0106	05/01/20 12:27	05/02/20 01:48	EPA 8021B	
Xylene (p/m)	ND	0.00233 1	mg/kg dry	1	P0E0106	05/01/20 12:27	05/02/20 01:48	EPA 8021B	
Xylene (o)	ND	0.00116 1	mg/kg dry	1	P0E0106	05/01/20 12:27	05/02/20 01:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		91.3 %	75-	125	P0E0106	05/01/20 12:27	05/02/20 01:48	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		95.0 %	75-	125	P0E0106	05/01/20 12:27	05/02/20 01:48	EPA 8021B	
General Chemistry Parameters	by EPA / Sta	andard Me	ethods						
Chloride	35.5	1.16 1	mg/kg dry	1	P0E0709	05/07/20 13:10	05/08/20 12:06	EPA 300.0	
% Moisture	14.0	0.1	%	1	P0E0402	05/04/20 09:01	05/04/20 10:12	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by 1	EPA Metho	od 80151	М					
C6-C12	ND	29.1	mg/kg dry	1	P0E0202	05/02/20 14:00	05/03/20 10:04	TPH 8015M	
>C12-C28	ND	29.1	mg/kg dry	1	P0E0202	05/02/20 14:00	05/03/20 10:04	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P0E0202	05/02/20 14:00	05/03/20 10:04	TPH 8015M	
Surrogate: 1-Chlorooctane		114 %	70	130	P0E0202	05/02/20 14:00	05/03/20 10:04	TPH 8015M	
Surrogate: o-Terphenyl		123 %	70	130	P0E0202	05/02/20 14:00	05/03/20 10:04	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	05/02/20 14:00	05/03/20 10:04	calc	

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc.	Project:	Centennial Merchant Livestock 24 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number:	12174	
Odessa TX, 79765	Project Manager:	Matt Green	

Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0E0105 - General Preparation (GC)										
Blank (P0E0105-BLK1)				Prepared &	Analyzed:	05/01/20				
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		91.1	75-125			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.8	75-125			
LCS (P0E0105-BS1)				Prepared &	Analyzed:	05/01/20				
Benzene	0.101	0.00100	mg/kg wet	0.100		101	70-130			
Toluene	0.101	0.00100	"	0.100		101	70-130			
Ethylbenzene	0.101	0.00100	"	0.100		101	70-130			
Xylene (p/m)	0.217	0.00200	"	0.200		109	70-130			
Xylene (o)	0.106	0.00100	"	0.100		106	70-130			
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.5	75-125			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		<i>98.3</i>	75-125			
LCS Dup (P0E0105-BSD1)				Prepared &	Analyzed:	05/01/20				
Benzene	0.108	0.00100	mg/kg wet	0.100		108	70-130	6.92	20	
Toluene	0.109	0.00100	"	0.100		109	70-130	7.51	20	
Ethylbenzene	0.104	0.00100	"	0.100		104	70-130	2.99	20	
Xylene (p/m)	0.237	0.00200	"	0.200		119	70-130	8.72	20	
Xylene (o)	0.119	0.00100	"	0.100		119	70-130	11.6	20	
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.1	75-125			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		96.0	75-125			
Calibration Blank (P0E0105-CCB1)				Prepared &	Analyzed:	05/01/20				
Benzene	0.00		mg/kg wet							
Toluene	0.570		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.490		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		93.8	75-125			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.2	75-125			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc.	Project:	Centennial Merchant Livestock 24 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number:	12174	
Odessa TX, 79765	Project Manager:	Matt Green	

Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0E0105 - General Preparation (G	C)									
Calibration Blank (P0E0105-CCB2)				Prepared &	Analyzed:	05/01/20				
Benzene	0.00		mg/kg wet							
Toluene	0.560		"							
Ethylbenzene	0.350		"							
Xylene (p/m)	0.600		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.7	75-125			
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		89.2	75-125			
Calibration Check (P0E0105-CCV1)				Prepared &	Analyzed:	05/01/20				
Benzene	0.111	0.00100	mg/kg wet	0.100		111	80-120			
Toluene	0.110	0.00100	"	0.100		110	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.227	0.00200	"	0.200		113	80-120			
Xylene (o)	0.117	0.00100	"	0.100		117	80-120			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.2	75-125			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		98.9	75-125			
Calibration Check (P0E0105-CCV2)				Prepared &	Analyzed:	05/01/20				
Benzene	0.103	0.00100	mg/kg wet	0.100		103	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.211	0.00200	"	0.200		105	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.4	75-125			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.5	75-125			
Calibration Check (P0E0105-CCV3)				Prepared &	Analyzed:	05/01/20				
Benzene	0.102	0.00100	mg/kg wet	0.100		102	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.208	0.00200	"	0.200		104	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.7	75-125			
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.3	75-125			

Permian Basin Environmental Lab, L.P.

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13000 West County Road 100	Project Number:	12174	
Odessa TX, 79765	Project Manager:	Matt Green	

Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch P0E0105 - General Preparation (GC)

Matrix Spike (P0E0105-MS1)	Sour	ce: 0E01005	-01	Prepared &	Analyzed:	05/01/20				
Benzene	0.127	0.00139	mg/kg dry	0.139	ND	91.1	80-120			
Toluene	0.124	0.00139	"	0.139	ND	89.5	80-120			
Ethylbenzene	0.149	0.00139	"	0.139	ND	108	80-120			
Xylene (p/m)	0.263	0.00278	"	0.278	ND	94.8	80-120			
Xylene (o)	0.132	0.00139		0.139	ND	95.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.156		"	0.167		93.4	75-125			
Surrogate: 1,4-Difluorobenzene	0.163		"	0.167		97.6	75-125			
Matrix Spike Dup (P0E0105-MSD1)	0105-MSD1) Source: 0E01005-01 Prepa		Prepared & Analyzed: 05/01/20							
Benzene	0.124	0.00139	mg/kg dry	0.139	ND	89.4	80-120	1.85	20	
Toluene	0.122	0.00139	"	0.139	ND	88.1	80-120	1.64	20	
Ethylbenzene	0.146	0.00139		0.139	ND	105	80-120	2.35	20	
Xylene (p/m)	0.257	0.00278		0.278	ND	92.4	80-120	2.51	20	
Xylene (o)	0.129	0.00139		0.139	ND	93.1	80-120	2.30	20	
Surrogate: 1,4-Difluorobenzene	0.162		"	0.167		97.2	75-125			

Batch P0E0106 - General Preparation (GC)

Surrogate: 4-Bromofluorobenzene

Blank (P0E0106-BLK1)				Prepared: 05/01/	20 Analyzed: 05	/02/20	
Benzene	ND	0.00100	mg/kg wet				
Toluene	ND	0.00100	"				
Ethylbenzene	ND	0.00100	"				
Xylene (p/m)	ND	0.00200	"				
Xylene (o)	ND	0.00100	"				
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120	93.3	75-125	
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120	91.0	75-125	

0.167

92.5

75-125

0.154

Permian Basin Environmental Lab, L.P.

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13000 West County Road 100	Project Number:	12174	
Odessa TX, 79765	Project Manager:	Matt Green	

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0E0106 - General Preparation (GC)										
LCS (P0E0106-BS1)				Prepared: 0	05/01/20 Ai	nalyzed: 05	/02/20			
Benzene	0.104	0.00100	mg/kg wet	0.100		104	70-130			
Toluene	0.103	0.00100	"	0.100		103	70-130			
Ethylbenzene	0.109	0.00100	"	0.100		109	70-130			
Xylene (p/m)	0.215	0.00200	"	0.200		108	70-130			
Xylene (o)	0.109	0.00100	"	0.100		109	70-130			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		97.0	75-125			
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		91.4	75-125			
LCS Dup (P0E0106-BSD1)				Prepared: 0	05/01/20 Ai	nalyzed: 05	/02/20			
Benzene	0.105	0.00100	mg/kg wet	0.100		105	70-130	1.30	20	
Toluene	0.105	0.00100	"	0.100		105	70-130	2.06	20	
Ethylbenzene	0.111	0.00100	"	0.100		111	70-130	1.41	20	
Xylene (p/m)	0.217	0.00200	"	0.200		109	70-130	1.09	20	
Xylene (o)	0.111	0.00100	"	0.100		111	70-130	1.24	20	
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		97.0	75-125			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		91.0	75-125			
Calibration Blank (POE0106-CCB2)				Prepared: 0	05/01/20 At	nalyzed: 05	/02/20			
Benzene	0.00		mg/kg wet							
Toluene	0.660		"							
Ethylbenzene	0.310		"							
Xylene (p/m)	0.840		"							
Xylene (o)	0.370		"							
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.0	75-125			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		91.2	75-125			
Calibration Check (P0E0106-CCV2)				Prepared: 0	05/01/20 Ai	nalyzed: 05	/02/20			
Benzene	0.0984	0.00100	mg/kg wet	0.100		98.4	80-120			
Toluene	0.0997	0.00100	"	0.100		99.7	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.201	0.00200	"	0.200		100	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.8	75-125			
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		91.4	75-125			

Permian Basin Environmental Lab, L.P.

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13000 West County Road 100	Project Number:	12174	
Odessa TX, 79765	Project Manager:	Matt Green	

Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch P0E0106 - General Preparation (GC)

Matrix Spike (P0E0106-MS1)	Sour	ce: 0E01005	-21	Prepared: 0	5/01/20 A	nalyzed: 05	5/02/20			
Benzene	0.0661	0.00114	mg/kg dry	0.114	ND	58.2	80-120			QM-07
Toluene	0.0638	0.00114	"	0.114	ND	56.1	80-120			QM-07
Ethylbenzene	0.0985	0.00114	"	0.114	ND	86.7	80-120			
Xylene (p/m)	0.176	0.00227	"	0.227	ND	77.5	80-120			QM-07
Xylene (o)	0.0931	0.00114	"	0.114	ND	81.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.129		"	0.136		94.5	75-125			
Surrogate: 1,4-Difluorobenzene	0.131		"	0.136		95.9	75-125			
Matrix Spike Dup (P0E0106-MSD1)	Sour	·ce: 0E01005	-21	Prepared: 0	5/01/20 A	nalyzed: 05	5/02/20			
Benzene	0.0631	0.00114	mg/kg dry	0.114	ND	55.5	80-120	4.70	20	QM-07
Toluene	0.0588	0.00114	"	0.114	ND	51.8	80-120	8.10	20	QM-07
Ethylbenzene	0.0980	0.00114	"	0.114	ND	86.2	80-120	0.544	20	
Xylene (p/m)	0.177	0.00227	"	0.227	ND	77.7	80-120	0.245	20	QM-07
Xylene (o)	0.0913	0.00114	"	0.114	ND	80.3	80-120	1.97	20	
Surrogate: 4-Bromofluorobenzene	0.128		"	0.136		93.9	75-125			
Surrogate: 1,4-Difluorobenzene	0.132		"	0.136		97.1	75-125			

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Odessa TX, 79765	Project Manager:	Matt Green	

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0E0402 - *** DEFAULT PREP ***										
Blank (P0E0402-BLK1)				Prepared &	Analyzed:	05/04/20				
% Moisture	ND	0.1	%							
Duplicate (P0E0402-DUP1)	Sou	-ce: 0D30015-	26	Prepared &	Analyzed:	05/04/20				
6 Moisture	10.0	0.1	%		9.0			10.5	20	
Duplicate (P0E0402-DUP2)	Sou	-ce: 0D30015-	53	Prepared &	Analyzed:	05/04/20				
6 Moisture	8.0	0.1	%	1	8.0			0.00	20	
Duplicate (P0E0402-DUP3)	Sou		80	Prepared &	Analyzed:	05/04/20				
6 Moisture	7.0	0.1	%	1	6.0			15.4	20	
Duplicate (P0E0402-DUP4)	Sour		11	Prepared &	Analyzed:	05/04/20				
% Moisture	9.0	0.1	%		8.0			11.8	20	
Duplicate (P0E0402-DUP5)	Sou		04	Prepared &	Analyzed:	05/04/20				
6 Moisture	8.0	0.1	%		8.0			0.00	20	
Duplicate (P0E0402-DUP6)	Sou		31	Prepared &	Analyzed:	05/04/20				
% Moisture	11.0	0.1	%		11.0			0.00	20	
Duplicate (P0E0402-DUP7)	Sou	ce: 0E01009-	02	Prepared &	Analyzed:	05/04/20				
% Moisture	12.0	0.1	%	*	12.0			0.00	20	
Duplicate (P0E0402-DUP8)	Sou	ce: 0D28007-	56	Prepared &	Analyzed:	05/04/20				
% Moisture	11.0	0.1	%	1	10.0			9.52	20	
Duplicate (P0E0402-DUP9)	Som		04	Prepared &	z Analyzed:	05/04/20				
6 Moisture	4.0	0.1	%	_ repaired of	4.0			0.00	20	

Permian Basin Environmental Lab, L.P.

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Odessa TX, 79765	Project Manager:	Matt Green		

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result		%REC Limits	RPD	RPD Limit	Notes
Batch P0E0708 - *** DEFAULT PREP ***										
Blank (P0E0708-BLK1)				Prepared: (05/07/20	Analyzed: 05	5/08/20			
Chloride	ND	0.100	mg/kg wet							
LCS (P0E0708-BS1)				Prepared: (05/07/20	Analyzed: 05	5/08/20			
Chloride	440	1.00	mg/kg wet	400		110	80-120			
LCS Dup (P0E0708-BSD1)				Prepared: (05/07/20	Analyzed: 05	5/08/20			
Chloride	410	1.00	mg/kg wet	400		102	80-120	7.07	20	
Calibration Blank (P0E0708-CCB1)				Prepared: ()5/07/20	Analyzed: 05	08/20			
Chloride	0.00		mg/kg wet							
Calibration Blank (P0E0708-CCB2)				Prepared: (05/07/20	Analyzed: 05	5/08/20			
Chloride	0.00		mg/kg wet							
Calibration Check (P0E0708-CCV1)				Prepared: (05/07/20	Analyzed: 05	5/08/20			
Chloride	20.2		mg/kg	20.0		101	0-200			
Calibration Check (P0E0708-CCV2)				Prepared: (05/07/20	Analyzed: 05	5/08/20			
Chloride	20.5		mg/kg	20.0		102	0-200			
Calibration Check (P0E0708-CCV3)				Prepared: (05/07/20	Analyzed: 05	08/20			
Chloride	21.1		mg/kg	20.0		105	0-200			
Matrix Spike (P0E0708-MS1)	Sou	rce: 0E01004	-23	Prepared: (05/07/20	Analyzed: 05	08/20			
Chloride	590	1.15	mg/kg dry	575	41.0	95.5	80-120			
Matrix Spike (P0E0708-MS2)	Sou	rce: 0E01005	-06	Prepared: (05/07/20	Analyzed: 05	5/08/20			
Chloride	718	1.41	mg/kg dry	704	41.4	96.1	80-120			

Permian Basin Environmental Lab, L.P.

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Permian	Basin	Environmental Lab, L.P.
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
	ressure	2	onto	20101	Ttoball	, iiide	Dillito	iu b	2	110100
Batch P0E0708 - *** DEFAULT PREP ***										
Matrix Spike Dup (P0E0708-MSD1)	Sou	rce: 0E01004	-23	Prepared: (05/07/20 A	nalyzed: 05	/08/20			
Chloride	590	1.15	mg/kg dry	575	41.0	95.5	80-120	0.0331	20	
Matrix Spike Dup (P0E0708-MSD2)	Sou	rce: 0E01005	-06	Prepared: ()5/07/20 A	nalyzed: 05	/08/20			
Chloride	710	1.41	mg/kg dry	704	41.4	95.0	80-120	1.15	20	
Batch P0E0709 - *** DEFAULT PREP ***										
Blank (P0E0709-BLK1)				Prepared: (05/07/20 A	nalyzed: 05	/08/20			
Chloride	ND	0.100	mg/kg wet							
LCS (P0E0709-BS1)				Prepared: (05/07/20 A	nalyzed: 05	/08/20			
Chloride	400	1.00	mg/kg wet	400		100	80-120			
LCS Dup (P0E0709-BSD1)				Prepared: (05/07/20 A	nalyzed: 05	/08/20			
Chloride	403	1.00	mg/kg wet	400		101	80-120	0.764	20	
Calibration Blank (P0E0709-CCB1)				Prepared: ()5/07/20 A	nalyzed: 05	/08/20			
Chloride	0.00		mg/kg wet	Tropulour		inarj 2001 00				
				D 1.0	5/07/20	1 1.05	100/20			
Calibration Blank (P0E0709-CCB2) Chloride	0.00		mg/kg wet	Prepared: (05/07/20 A	nalyzed: 05	/08/20			
	0.00		mg/kg wet							
Calibration Check (P0E0709-CCV1)				Prepared: (05/07/20 A	nalyzed: 05	/08/20			
Chloride	21.1		mg/kg	20.0		105	0-200			
Calibration Check (P0E0709-CCV2)				Prepared: (05/07/20 A	nalyzed: 05	/08/20			
Chloride	20.8		mg/kg	20.0		104	0-200			

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Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0E0709 - *** DEFAULT PREP ***										
Calibration Check (P0E0709-CCV3)				Prepared: (05/07/20 A	nalyzed: 05	/08/20			
Chloride	21.1		mg/kg	20.0		106	0-200			
Matrix Spike (P0E0709-MS1)	Source: 0E01005-16 Pre		Prepared: (Prepared: 05/07/20 Analyzed: 05/08/20						
Chloride	781	1.28	mg/kg dry	641	35.4	116	80-120			
Matrix Spike (P0E0709-MS2)	Sourc	e: 0E04003	-01	Prepared: (05/07/20 A	nalyzed: 05	/08/20			
Chloride	5170	10.9	mg/kg dry	1090	4020	106	80-120			
Matrix Spike Dup (P0E0709-MSD1)	Sourc	e: 0E01005	-16	Prepared: (05/07/20 A	nalyzed: 05	/08/20			
Chloride	865	1.28	mg/kg dry	641	35.4	129	80-120	10.3	20	QM-07
Matrix Spike Dup (P0E0709-MSD2)	Sourc	e: 0E04003	-01	Prepared: (Prepared: 05/07/20 Analyzed: 05/08/20					
Chloride	5230	10.9	mg/kg dry	1090	4020	111	80-120	1.06	20	

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Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0E0111 - TX 1005										
Blank (P0E0111-BLK1)				Prepared: (05/01/20 A	nalyzed: 05	/02/20			
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	98.7		"	100		98.7	70-130			
Surrogate: o-Terphenyl	49.9		"	50.0		99.8	70-130			
LCS (P0E0111-BS1)				Prepared: (05/01/20 Ai	nalyzed: 05	/02/20			
C6-C12	1150	25.0	mg/kg wet	1000		115	75-125			
>C12-C28	1230	25.0		1000		123	75-125			
Surrogate: 1-Chlorooctane	105		"	100		105	70-130			
Surrogate: o-Terphenyl	51.9		"	50.0		104	70-130			
LCS Dup (P0E0111-BSD1)				Prepared: (05/01/20 Ai	nalyzed: 05	/02/20			
C6-C12	1160	25.0	mg/kg wet	1000		116	75-125	0.501	20	
>C12-C28	1140	25.0	"	1000		114	75-125	7.44	20	
Surrogate: 1-Chlorooctane	104		"	100		104	70-130			
Surrogate: o-Terphenyl	47.3		"	50.0		94.5	70-130			
Calibration Blank (P0E0111-CCB1)				Prepared: (05/01/20 Ai	nalyzed: 05	/02/20			
C6-C12	13.4		mg/kg wet							
>C12-C28	7.92		"							
Surrogate: 1-Chlorooctane	97.5		"	100		97.5	70-130			
Surrogate: o-Terphenyl	49.2		"	50.0		98.4	70-130			
Calibration Blank (P0E0111-CCB2)				Prepared: (05/01/20 At	nalyzed: 05	/02/20			
C6-C12	12.9		mg/kg wet							
>C12-C28	12.6									
Surrogate: 1-Chlorooctane	96.0		"	100		96.0	70-130			
Surrogate: o-Terphenyl	48.6		"	50.0		97.3	70-130			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc.	Project:	Centennial Merchant Livestock 24 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number:	12174	
Odessa TX, 79765	Project Manager:	Matt Green	

Permian Basin Environmental Lab, L.P.

Amplette	Result	Reporting Limit	Units	Spike Level	Source B agult	%REC	%REC	RPD	RPD Limit	Nata
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0E0111 - TX 1005										
Calibration Check (P0E0111-CCV1)				Prepared: (05/01/20 At	nalyzed: 05	/02/20			
C6-C12	556	25.0	mg/kg wet	500		111	85-115			
>C12-C28	557	25.0	"	500		111	85-115			
Surrogate: 1-Chlorooctane	103		"	100		103	70-130			
Surrogate: o-Terphenyl	48.0		"	50.0		96.0	70-130			
Calibration Check (P0E0111-CCV2)				Prepared: (05/01/20 Ai	nalyzed: 05	/02/20			
C6-C12	526	25.0	mg/kg wet	500		105	85-115			
>C12-C28	556	25.0	"	500		111	85-115			
Surrogate: 1-Chlorooctane	99.9		"	100		99.9	70-130			
Surrogate: o-Terphenyl	47.0		"	50.0		94.0	70-130			
Duplicate (P0E0111-DUP1)	Sou	rce: 0E01005	5-04	Prepared: ()5/01/20 Ai	nalyzed: 05	/02/20			
C6-C12	20.0	34.7	mg/kg dry		21.2			5.79	20	
>C12-C28	15.4	34.7	"		ND				20	
Surrogate: 1-Chlorooctane	146		"	139		105	70-130			
Surrogate: o-Terphenyl	78.2		"	69.4		113	70-130			
Batch P0E0201 - TX 1005										
Blank (P0E0201-BLK1)				Prepared: (05/02/20 At	nalyzed: 05	/03/20			
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	77.5		"	100		77.5	70-130			
Surrogate: o-Terphenyl	40.1		"	50.0		80.2	70-130			
LCS (P0E0201-BS1)	Prepared: 05/02/20 Analyzed: 05/03/20									
C6-C12	1030	25.0	mg/kg wet	1000		103	75-125			
>C12-C28	1210	25.0	"	1000		121	75-125			
Surrogate: 1-Chlorooctane	103		"	100		103	70-130			
Surrogate: o-Terphenyl	39.7		"	50.0		79.3	70-130			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc.	Project:	Centennial Merchant Livestock 24 SC 2H	Fax: (432) 563-2213	
13000 West County Road 100	Project Number:	12174		
Odessa TX, 79765	Project Manager:	Matt Green		

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0E0201 - TX 1005										
LCS Dup (P0E0201-BSD1)				Prenared ()5/02/20 Aı	nalvzed: 05	/03/20			
C6-C12	1040	25.0	mg/kg wet	1000		104	75-125	1.34	20	
>C12-C28	1140	25.0	"	1000		114	75-125	5.95	20	
Surrogate: 1-Chlorooctane	99.0		"	100		99.0	70-130			
Surrogate: o-Terphenyl	37.7		"	50.0		75.4	70-130			
Calibration Blank (P0E0201-CCB1)				Prepared: (05/02/20 Ai	nalyzed: 05	/03/20			
C6-C12	9.17		mg/kg wet	*						
>C12-C28	6.69									
Surrogate: 1-Chlorooctane	85.6		"	100		85.6	70-130			
Surrogate: o-Terphenyl	44.2		"	50.0		88.4	70-130			
Calibration Blank (P0E0201-CCB2)				Prepared: (05/02/20 Ai	nalyzed: 05	/03/20			
C6-C12	8.48		mg/kg wet							
>C12-C28	8.36		"							
Surrogate: 1-Chlorooctane	96.2		"	100		96.2	70-130			
Surrogate: o-Terphenyl	50.1		"	50.0		100	70-130			
Calibration Check (P0E0201-CCV1)				Prepared: (05/02/20 Ai	nalyzed: 05	/03/20			
C6-C12	561	25.0	mg/kg wet	500		112	85-115			
>C12-C28	564	25.0	"	500		113	85-115			
Surrogate: 1-Chlorooctane	93.9		"	100		93.9	70-130			
Surrogate: o-Terphenyl	41.0		"	50.0		81.9	70-130			
Calibration Check (P0E0201-CCV2)				Prepared: ()5/02/20 Ai	nalyzed: 05	/03/20			
C6-C12	544	25.0	mg/kg wet	500		109	85-115			
>C12-C28	556	25.0	"	500		111	85-115			
Surrogate: 1-Chlorooctane	105		"	100		105	70-130			
Surrogate: o-Terphenyl	47.5		"	50.0		94.9	70-130			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc.	Project:	Centennial Merchant Livestock 24 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number:	12174	
Odessa TX, 79765	Project Manager:	Matt Green	

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Anaryte	Result	Liint	Ollits	Level	Result	70KEC	Linits	Ki D	Liiiit	Notes
Batch P0E0201 - TX 1005										
Calibration Check (P0E0201-CCV3)				Prepared: 0	05/02/20 A	nalyzed: 05	/04/20			
C6-C12	543	25.0	mg/kg wet	500		109	85-115			
>C12-C28	552	25.0	"	500		110	85-115			
Surrogate: 1-Chlorooctane	106		"	100		106	70-130			
Surrogate: o-Terphenyl	47.2		"	50.0		94.4	70-130			
Duplicate (P0E0201-DUP1)	Sour	ce: 0E01005	5-19	Prepared: (05/02/20 A	nalyzed: 05	/04/20			
C6-C12	14.8	32.1	mg/kg dry		16.3			9.58	20	
>C12-C28	13.2	32.1	"		ND				20	
Surrogate: 1-Chlorooctane	127		"	128		99.0	70-130			
Surrogate: o-Terphenyl	70.8		"	64.1		110	70-130			
Batch P0E0202 - TX 1005										
Blank (P0E0202-BLK1)				Prepared &	Analyzed:	05/02/20				
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	96.6		"	100		96.6	70-130			
Surrogate: o-Terphenyl	49.2		"	50.0		98.4	70-130			
LCS (P0E0202-BS1)				Prepared &	Analyzed:	05/02/20				
C6-C12	1120	25.0	mg/kg wet	1000		112	75-125			
>C12-C28	1180	25.0	"	1000		118	75-125			
Surrogate: 1-Chlorooctane	103		"	100		103	70-130			
Surrogate: o-Terphenyl	44.1		"	50.0		88.3	70-130			
LCS Dup (P0E0202-BSD1)				Prepared &	Analyzed:	05/02/20				
C6-C12	1080	25.0	mg/kg wet	1000		108	75-125	3.88	20	
>C12-C28	1130	25.0	"	1000		113	75-125	4.51	20	
Surrogate: 1-Chlorooctane	104		"	100		104	70-130			
Surrogate: o-Terphenyl	42.5		"	50.0		85.1	70-130			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc.	Project:	Centennial Merchant Livestock 24 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number:	12174	
Odessa TX, 79765	Project Manager:	Matt Green	

Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0E0202 - TX 1005										
Calibration Blank (P0E0202-CCB1)				Prepared &	Analyzed:	05/02/20				
C6-C12	15.0		mg/kg wet							
>C12-C28	4.50		"							
Surrogate: 1-Chlorooctane	99.7		"	100		99.7	70-130			
Surrogate: o-Terphenyl	50.7		"	50.0		101	70-130			
Calibration Blank (P0E0202-CCB2)				Prepared: (05/02/20 A	nalyzed: 05	/03/20			
C6-C12	14.8		mg/kg wet							
>C12-C28	13.9		"							
Surrogate: 1-Chlorooctane	105		"	100		105	70-130			
Surrogate: o-Terphenyl	53.8		"	50.0		108	70-130			
Calibration Check (P0E0202-CCV1)				Prepared &	Analyzed:	05/02/20				
C6-C12	557	25.0	mg/kg wet	500		111	85-115			
>C12-C28	551	25.0	"	500		110	85-115			
Surrogate: 1-Chlorooctane	107		"	100		107	70-130			
Surrogate: o-Terphenyl	50.0		"	50.0		100	70-130			
Calibration Check (P0E0202-CCV2)				Prepared: (05/02/20 A	nalyzed: 05	/03/20			
C6-C12	544	25.0	mg/kg wet	500		109	85-115			
>C12-C28	545	25.0	"	500		109	85-115			
Surrogate: 1-Chlorooctane	109		"	100		109	70-130			
Surrogate: o-Terphenyl	53.4		"	50.0		107	70-130			
Duplicate (P0E0202-DUP1)	Sou	rce: 0E01010)-10	Prepared: (05/02/20 A	nalyzed: 05	/03/20			
C6-C12	130	25.5	mg/kg dry		128			1.41	20	
>C12-C28	1130	25.5	"		1100			2.83	20	
Surrogate: 1-Chlorooctane	125		"	102		123	70-130			
Surrogate: o-Terphenyl	65.9		"	51.0		129	70-130			

Permian Basin Environmental Lab, L.P.

Fax: (432) 563-2213

E Tech Environmental & Safety Solutions, Inc.	Project:	Centennial Merchant Livestock 24 SC 2H
13000 West County Road 100	Project Number:	12174
Odessa TX, 79765	Project Manager:	Matt Green

Notes and Definitions

ROI	Received on Ice
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BULK	Samples received in Bulk soil containers
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By:

Bun Barron

9/1/2020

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

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PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



Revised Analytical Report

Prepared for:

Matt Green E Tech Environmental & Safety Solutions, Inc. [1] 13000 West County Road 100 Odessa, TX 79765

> Project: Merchant Livestock 24 SC 2H Project Number: CDEVID_11162019 Location: Lea County, NM

> > Lab Order Number: 0E12017



Current Certification

Report Date: 09/01/20

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	Merchant Livestock 24 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number:	CDEVID_11162019	
Odessa TX, 79765	Project Manager:	Matt Green	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-8 @ 2'	0E12017-01	Soil	05/06/20 08:20	05-12-2020 15:28
NSW-8 @ 1'	0E12017-02	Soil	05/06/20 08:30	05-12-2020 15:28
WSW-8 @ 1'	0E12017-03	Soil	05/06/20 08:50	05-12-2020 15:28
ESW-8 @ 1'	0E12017-04	Soil	05/06/20 09:10	05-12-2020 15:28
SSW-8 @ 1'	0E12017-05	Soil	05/06/20 09:20	05-12-2020 15:28

On 08/31/20 PBELAB was advised by the client to change the Project name from Merchant Livestock 25 SC 2H to Merchant Livestock 24 SC 24. This revised report reflects that change.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	Merchant Livestock 24 SC 2H
13000 West County Road 100	Project Number:	CDEVID_11162019
Odessa TX, 79765	Project Manager:	Matt Green

Fax: (432) 563-2213

BH-8 @ 2'

0E12017-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		1	Permian	Basin E	nvironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00103 m	ng/kg dry	1	P0E1601	05/16/20 18:09	05/16/20 23:19	EPA 8021B	
Toluene	ND	0.00103 m	ng/kg dry	1	P0E1601	05/16/20 18:09	05/16/20 23:19	EPA 8021B	
Ethylbenzene	ND	0.00103 m	ng/kg dry	1	P0E1601	05/16/20 18:09	05/16/20 23:19	EPA 8021B	
Xylene (p/m)	ND	0.00206 m	ng/kg dry	1	P0E1601	05/16/20 18:09	05/16/20 23:19	EPA 8021B	
Xylene (o)	ND	0.00103 m	ng/kg dry	1	P0E1601	05/16/20 18:09	05/16/20 23:19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		95.9 %	75-12	5	P0E1601	05/16/20 18:09	05/16/20 23:19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.6 %	75-12	5	P0E1601	05/16/20 18:09	05/16/20 23:19	EPA 8021B	
General Chemistry Parameters	s by EPA / Sta	andard Me	thods						
Chloride	140	1.03 m	ng/kg dry	1	P0E1308	05/13/20 12:04	05/13/20 19:26	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0E1303	05/13/20 09:25	05/13/20 09:28	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by I	EPA Metho	d 8015M						
C6-C12	ND	25.8 m	ng/kg dry	1	P0E1306	05/13/20 11:16	05/14/20 01:30	TPH 8015M	
>C12-C28	86.0	25.8 m	ng/kg dry	1	P0E1306	05/13/20 11:16	05/14/20 01:30	TPH 8015M	
>C28-C35	36.8	25.8 m	ng/kg dry	1	P0E1306	05/13/20 11:16	05/14/20 01:30	TPH 8015M	
Surrogate: 1-Chlorooctane		97.4 %	70-13	0	P0E1306	05/13/20 11:16	05/14/20 01:30	TPH 8015M	
Surrogate: o-Terphenyl		109 %	70-13	0	P0E1306	05/13/20 11:16	05/14/20 01:30	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	123	25.8 m	ng/kg dry	1	[CALC]	05/13/20 11:16	05/14/20 01:30	calc	

E Tech Environmental & Safety S 13000 West County Road 100 Odessa TX, 79765	Solutions, Inc. [1]	Project Num	ect: Merchant Li ber: CDEVID_11 ger: Matt Green	vestock 24 SC 2H 162019		Fax: (432) 56	3-2213
				W-8 @ 1' 017-02 (Soil)				
Analyte	Result	Reporting Limit Unit	ts Dilution	Batch	Prepared	Analyzed	Method	Notes
		Per	mian Basin E	Environmental	Lab, L.P.			
BTEX by 8021B								
Benzene	ND	0.00105 mg/k	g dry 1	P0E1601	05/16/20 18:09	05/16/20 23:39	EPA 8021B	
Toluene	ND	0.00105 mg/k	g dry 1	P0E1601	05/16/20 18:09	05/16/20 23:39	EPA 8021B	
Ethylbenzene	ND	0.00105 mg/k	g dry 1	P0E1601	05/16/20 18:09	05/16/20 23:39	EPA 8021B	
Xylene (p/m)	0.00392	0.00211 mg/k	g dry 1	P0E1601	05/16/20 18:09	05/16/20 23:39	EPA 8021B	
Xylene (o)	0.00112	0.00105 mg/k	g dry 1	P0E1601	05/16/20 18:09	05/16/20 23:39	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		94.6 %	75-125	P0E1601	05/16/20 18:09	05/16/20 23:39	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.5 %	75-125	P0E1601	05/16/20 18:09	05/16/20 23:39	EPA 8021B	
General Chemistry Parameter	rs by EPA / St	andard Metho	ds					
Chloride	249	1.05 mg/k		P0E1308	05/13/20 12:04	05/13/20 19:42	EPA 300.0	
% Moisture	5.0	0.1 %	6 1	P0E1303	05/13/20 09:25	05/13/20 09:28	ASTM D2216	
Total Petroleum Hydrocarbon	ns C6-C35 by l	EPA Method 8	015M					
C6-C12	ND	26.3 mg/k	g dry 1	P0E1306	05/13/20 11:16	05/14/20 01:52	TPH 8015M	
>C12-C28	31.3	26.3 mg/k	g dry 1	P0E1306	05/13/20 11:16	05/14/20 01:52	TPH 8015M	
>C28-C35	ND	26.3 mg/k	g dry 1	P0E1306	05/13/20 11:16	05/14/20 01:52	TPH 8015M	
Surrogate: 1-Chlorooctane		94.3 %	70-130	P0E1306	05/13/20 11:16	05/14/20 01:52	TPH 8015M	
Surrogate: o-Terphenyl		110 %	70-130	P0E1306	05/13/20 11:16	05/14/20 01:52	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	31.3	26.3 mg/k	g dry 1	[CALC]	05/13/20 11:16	05/14/20 01:52	calc	

E Tech Environmental & Safety So 13000 West County Road 100 Odessa TX, 79765	olutions, Inc. [1]		ject Numbe	ct: Merchant Liv er: CDEVID_11 er: Matt Green	7estock 24 SC 2H 162019		Fax: (432) 56	53-2213
					W-8 @ 1'				
				0E120	17-03 (Soil)				
Analyte	Result	Reporting Limit U	Jnits	Dilution	Batch	Prepared	Analyzed	Method	Notes
		F	Permia	n Basin Er	nvironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00104 m	g/kg dry	1	P0E1601	05/16/20 18:09	05/17/20 00:00	EPA 8021B	
Toluene	ND	0.00104 m	g/kg dry	1	P0E1601	05/16/20 18:09	05/17/20 00:00	EPA 8021B	
Ethylbenzene	ND	0.00104 m	g/kg dry	1	P0E1601	05/16/20 18:09	05/17/20 00:00	EPA 8021B	
Xylene (p/m)	ND	0.00208 m	g/kg dry	1	P0E1601	05/16/20 18:09	05/17/20 00:00	EPA 8021B	
Xylene (o)	ND	0.00104 m	g/kg dry	1	P0E1601	05/16/20 18:09	05/17/20 00:00	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.6 %	75-1	25	P0E1601	05/16/20 18:09	05/17/20 00:00	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		94.8 %	75-1	25	P0E1601	05/16/20 18:09	05/17/20 00:00	EPA 8021B	
General Chemistry Parameters	s by EPA / Sta	andard Met	hods						
Chloride	26.9	1.04 m	g/kg dry	1	P0E1308	05/13/20 12:04	05/13/20 19:58	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0E1303	05/13/20 09:25	05/13/20 09:28	ASTM D2216	
Total Petroleum Hydrocarbons		EPA Metho	i 8015N	4					
C6-C12	ND	26.0 m	g/kg dry	1	P0E1306	05/13/20 11:16	05/14/20 02:14	TPH 8015M	
>C12-C28	ND	26.0 m	g/kg dry	1	P0E1306	05/13/20 11:16	05/14/20 02:14	TPH 8015M	
>C28-C35	ND	26.0 m	g/kg dry	1	P0E1306	05/13/20 11:16	05/14/20 02:14	TPH 8015M	
Surrogate: 1-Chlorooctane		94.1 %	70-1	30	P0E1306	05/13/20 11:16	05/14/20 02:14	TPH 8015M	
Surrogate: o-Terphenyl		109 %	70-1	30	P0E1306	05/13/20 11:16	05/14/20 02:14	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0 m	g/kg dry	1	[CALC]	05/13/20 11:16	05/14/20 02:14	calc	

E Tech Environmental & Safety S 13000 West County Road 100 Odessa TX, 79765	Solutions, Inc. [1	.]		ject Numbe	et: Merchant Li er: CDEVID_11 er: Matt Green	vestock 24 SC 2H 162019		Fax: (432) 56	53-2213
					V-8 @ 1' 17-04 (Soil)				
Analyte	Result	Reporting Limit U	nits	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Р	ermian	Basin En	vironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00106 mg	/kg dry	1	P0E1601	05/16/20 18:09	05/17/20 00:20	EPA 8021B	
Toluene	ND	0.00106 mg	/kg dry	1	P0E1601	05/16/20 18:09	05/17/20 00:20	EPA 8021B	
Ethylbenzene	ND	0.00106 mg	/kg dry	1	P0E1601	05/16/20 18:09	05/17/20 00:20	EPA 8021B	
Xylene (p/m)	0.00422	0.00213 mg	/kg dry	1	P0E1601	05/16/20 18:09	05/17/20 00:20	EPA 8021B	
Xylene (o)	0.00127	0.00106 mg	/kg dry	1	P0E1601	05/16/20 18:09	05/17/20 00:20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.1 %	75-1	25	P0E1601	05/16/20 18:09	05/17/20 00:20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		94.2 %	75-1	25	P0E1601	05/16/20 18:09	05/17/20 00:20	EPA 8021B	
General Chemistry Parameter	•s by EPA / St	andard Meth	ıods						
Chloride	52.5	1.06 mg		1	P0E1308	05/13/20 12:04	05/13/20 20:14	EPA 300.0	
% Moisture	6.0	0.1	%	1	P0E1303	05/13/20 09:25	05/13/20 09:28	ASTM D2216	
Total Petroleum Hydrocarbon	s C6-C35 by]	EPA Method	8015N	1					
C6-C12	ND	26.6 mg	/kg dry	1	P0E1306	05/13/20 11:16	05/14/20 02:36	TPH 8015M	
>C12-C28	ND	26.6 mg	/kg dry	1	P0E1306	05/13/20 11:16	05/14/20 02:36	TPH 8015M	
>C28-C35	ND	26.6 mg	/kg dry	1	P0E1306	05/13/20 11:16	05/14/20 02:36	TPH 8015M	
Surrogate: 1-Chlorooctane		94.4 %	70-1	30	P0E1306	05/13/20 11:16	05/14/20 02:36	TPH 8015M	
Surrogate: o-Terphenyl		110 %	70-1	30	P0E1306	05/13/20 11:16	05/14/20 02:36	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6 mg	/kg dry	1	[CALC]	05/13/20 11:16	05/14/20 02:36	calc	

E Tech Environmental & Safety So 13000 West County Road 100 Odessa TX, 79765	olutions, Inc. [1]	•	t Numbe	et: Merchant Liv er: CDEVID_11 er: Matt Green	restock 24 SC 2H 162019		Fax: (432) 56	53-2213
					V-8 @ 1' 17-05 (Soil)				
Analyte	Result	Reporting Limit Un	its D	ilution	Batch	Prepared	Analyzed	Method	Notes
		Pe	rmian B	Basin Er	vironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00106 mg/	kg dry	1	P0E1601	05/16/20 18:09	05/17/20 01:21	EPA 8021B	
Toluene	ND	0.00106 mg/	kg dry	1	P0E1601	05/16/20 18:09	05/17/20 01:21	EPA 8021B	
Ethylbenzene	ND	0.00106 mg/	kg dry	1	P0E1601	05/16/20 18:09	05/17/20 01:21	EPA 8021B	
Xylene (p/m)	ND	0.00213 mg/	kg dry	1	P0E1601	05/16/20 18:09	05/17/20 01:21	EPA 8021B	
Xylene (o)	ND	0.00106 mg/	kg dry	1	P0E1601	05/16/20 18:09	05/17/20 01:21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		95.2 %	75-125		P0E1601	05/16/20 18:09	05/17/20 01:21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.2 %	75-125		P0E1601	05/16/20 18:09	05/17/20 01:21	EPA 8021B	
General Chemistry Parameters	s by EPA / St	andard Meth	ods						
Chloride	113	1.06 mg/		1	P0E1308	05/13/20 12:04	05/13/20 20:30	EPA 300.0	
% Moisture	6.0	0.1	%	1	P0E1303	05/13/20 09:25	05/13/20 09:28	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by I	EPA Method 8	8015M						
C6-C12	ND	26.6 mg/		1	P0E1306	05/13/20 11:16	05/14/20 02:58	TPH 8015M	
>C12-C28	ND	26.6 mg/	kg dry	1	P0E1306	05/13/20 11:16	05/14/20 02:58	TPH 8015M	
>C28-C35	ND	26.6 mg/	kg dry	1	P0E1306	05/13/20 11:16	05/14/20 02:58	TPH 8015M	
Surrogate: 1-Chlorooctane		94.2 %	70-130		P0E1306	05/13/20 11:16	05/14/20 02:58	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-130	1	P0E1306	05/13/20 11:16	05/14/20 02:58	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6 mg/	kg dry	1	[CALC]	05/13/20 11:16	05/14/20 02:58	calc	

Permian Basin Environmental Lab, L.P.

Fax: (432) 563-2213

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Merchant Livestock 24 SC 2H
13000 West County Road 100	Project Number: CDEVID_11162019
Odessa TX, 79765	Project Manager: Matt Green

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0E1601 - General Preparation (GC)									
Blank (P0E1601-BLK1)				Prepared &	Analyzed:	05/16/20				
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.5	75-125			
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		95.2	75-125			
LCS (P0E1601-BS1)				Prepared &	Analyzed:	05/16/20				
Benzene	0.0976	0.00100	mg/kg wet	0.100		97.6	70-130			
Toluene	0.0970	0.00100	"	0.100		97.0	70-130			
Ethylbenzene	0.105	0.00100	"	0.100		105	70-130			
Xylene (p/m)	0.209	0.00200	"	0.200		105	70-130			
Xylene (o)	0.105	0.00100	"	0.100		105	70-130			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.2	75-125			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.1	75-125			
LCS Dup (P0E1601-BSD1)				Prepared &	Analyzed:	05/16/20				
Benzene	0.104	0.00100	mg/kg wet	0.100		104	70-130	6.52	20	
Toluene	0.104	0.00100	"	0.100		104	70-130	6.93	20	
Ethylbenzene	0.105	0.00100	"	0.100		105	70-130	0.582	20	
Xylene (p/m)	0.222	0.00200	"	0.200		111	70-130	6.06	20	
Xylene (o)	0.114	0.00100	"	0.100		114	70-130	7.88	20	
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.4	75-125			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.8	75-125			
Calibration Blank (P0E1601-CCB1)				Prepared &	Analyzed:	05/16/20				
Benzene	0.00		mg/kg wet							
Toluene	0.770		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.590		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		94.8	75-125			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.4	75-125			

Permian Basin Environmental Lab, L.P.

Fax: (432) 563-2213

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Merchant Livestock 24 SC 2H
13000 West County Road 100	Project Number: CDEVID_11162019
Odessa TX, 79765	Project Manager: Matt Green

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0E1601 - General Preparation (GC)										
Calibration Blank (P0E1601-CCB2)				Prepared: (05/16/20 Ar	nalyzed: 05	/17/20			
Benzene	0.00		mg/kg wet							
Toluene	0.770		"							
Ethylbenzene	0.370		"							
Xylene (p/m)	0.620		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.8	75-125			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.6	75-125			
Calibration Blank (P0E1601-CCB3)				Prepared: (05/16/20 Ar	nalyzed: 05	/17/20			
Benzene	0.00		mg/kg wet							
Toluene	0.930		"							
Ethylbenzene	0.460		"							
Xylene (p/m)	0.840		"							
Xylene (o)	0.330		"							
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.8	75-125			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.7	75-125			
Calibration Check (P0E1601-CCV1)				Prepared &	Analyzed:	05/16/20				
Benzene	0.108	0.00100	mg/kg wet	0.100		108	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.222	0.00200	"	0.200		111	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.3	75-125			
Calibration Check (P0E1601-CCV2)				Prepared: (05/16/20 Ar	nalyzed: 05	/17/20			
Benzene	0.102	0.00100	mg/kg wet	0.100		102	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.206	0.00200	"	0.200		103	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		94.7	75-125			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.2	75-125			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]
13000 West County Road 100
Odessa TX, 79765

Project: Merchant Livestock 24 SC 2H Project Number: CDEVID_11162019 Project Manager: Matt Green Fax: (432) 563-2213

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0E1601 - General Preparation (GC	C)									
Calibration Check (P0E1601-CCV3)				Prepared: (05/16/20 A	nalyzed: 05	/17/20			
Benzene	0.102	0.00100	mg/kg wet	0.100		102	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.206	0.00200	"	0.200		103	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.6	75-125			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.2	75-125			
Matrix Spike (P0E1601-MS1)	Sou	rce: 0E12015	5-34	Prepared: (05/16/20 A	nalyzed: 05	/17/20			
Benzene	0.0824	0.00108	mg/kg dry	0.108	ND	76.6	80-120			QM-07
Toluene	0.0728	0.00108	"	0.108	ND	67.7	80-120			QM-07
Ethylbenzene	0.0756	0.00108	"	0.108	ND	70.3	80-120			QM-07
Xylene (p/m)	0.121	0.00215	"	0.215	ND	56.0	80-120			QM-07
Xylene (o)	0.0536	0.00108	"	0.108	ND	49.8	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	0.126		"	0.129		98.0	75-125			
Surrogate: 4-Bromofluorobenzene	0.128		"	0.129		99.3	75-125			
Matrix Spike Dup (P0E1601-MSD1)	Sou	rce: 0E12015	5-34	Prepared: (05/16/20 A	nalyzed: 05	/17/20			
Benzene	0.0829	0.00108	mg/kg dry	0.108	ND	77.1	80-120	0.572	20	QM-07
Toluene	0.0748	0.00108	"	0.108	ND	69.6	80-120	2.72	20	QM-07
Ethylbenzene	0.0771	0.00108	"	0.108	ND	71.7	80-120	1.90	20	QM-07
Xylene (p/m)	0.124	0.00215	"	0.215	ND	57.6	80-120	2.77	20	QM-07
Xylene (o)	0.0585	0.00108	"	0.108	ND	54.4	80-120	8.77	20	QM-07
Surrogate: 1,4-Difluorobenzene	0.126		"	0.129		98.0	75-125			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.129		97.0	75-125			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	Merchant Livestock 24 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number:	CDEVID_11162019	
Odessa TX, 79765	Project Manager:	Matt Green	

Permian Basin Environmental Lab, L.P.

Analyte	Reporting			Spike Source			%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0E1303 - *** DEFAULT PREP ***										
Blank (P0E1303-BLK1)				Prepared & Analyzed: 05/13/20						
% Moisture	ND	0.1	%							
Duplicate (P0E1303-DUP1)	Source: 0E12002-18			Prepared & Analyzed: 05/13/20						
% Moisture	2.0	0.1	%	2.0			0.00	20		
Duplicate (P0E1303-DUP2)	Source: 0E12018-08			Prepared & Analyzed: 05/13/20						
% Moisture	3.0	0.1	%	3.0			0.00	20		
Duplicate (P0E1303-DUP3)	Source: 0E12018-10			Prepared &	Analyzed:	05/13/20				
% Moisture	3.0	0.1	%		3.0			0.00	20	
Batch P0E1308 - *** DEFAULT PREP ***										
Blank (P0E1308-BLK1)				Prepared &	analyzed:	05/13/20				
Chloride	ND	0.100	mg/kg wet							
LCS (P0E1308-BS1)				Prepared &	Analyzed:	05/13/20				
Chloride	401	1.00	mg/kg wet	400		100	80-120			
LCS Dup (P0E1308-BSD1)				Prepared &	z Analyzed:	05/13/20				
Chloride	402	1.00	mg/kg wet	400	-	100	80-120	0.214	20	
Calibration Blank (P0E1308-CCB1)				Prepared &	Analyzed:	05/13/20				
Chloride	0.00		mg/kg wet	-						
Calibration Blank (P0E1308-CCB2)				Prepared &	Analyzed:	05/13/20				
Chloride	0.00		mg/kg wet	-						

E Tech Environmental & Safety Solutions, Inc. [1]Project:Merchant Livestock 24 SC 2HFax: (432) 563-221313000 West County Road 100Project Number:CDEVID_11162019Odessa TX, 79765Project Manager:Matt Green

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD			
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes		
Batch P0E1308 - *** DEFAULT PREP ***												
Calibration Check (P0E1308-CCV1)	/1) Prepared & Analyzed: 0											
Chloride	20.1		mg/kg	20.0		101	0-200					
Calibration Check (P0E1308-CCV2)	CCV2) Prepared & Analyzed: 05/13/20											
Chloride	20.2		mg/kg	20.0		101	0-200					
Calibration Check (P0E1308-CCV3)	Prepared & Analyzed: 05/13/20											
Chloride	20.6		mg/kg	20.0		103	0-200					
Matrix Spike (P0E1308-MS1)	Sou	rce: 0E11004	-16	Prepared &	a Analyzed:	05/13/20						
Chloride	2370	5.21	mg/kg dry	521	1820	106	80-120					
Matrix Spike (P0E1308-MS2)	Sou	rce: 0E12007	-01	Prepared &	analyzed:	05/13/20						
Chloride	3210	10.3	mg/kg dry	1030	2080	109	80-120					
Matrix Spike Dup (P0E1308-MSD1)	Sou	rce: 0E11004	-16	Prepared &	analyzed:	05/13/20						
Chloride	2360	5.21	mg/kg dry	521	1820	104	80-120	0.408	20			
Matrix Spike Dup (P0E1308-MSD2)	ike Dup (P0E1308-MSD2) Source: 0E12007-01						Prepared & Analyzed: 05/13/20					
Chloride	3190	10.3	mg/kg dry	1030	2080	107	80-120	0.713	20			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	Merchant Livestock 24 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number:	CDEVID_11162019	
Odessa TX, 79765	Project Manager:	Matt Green	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0E1306 - TX 1005										
Blank (P0E1306-BLK1)				Prepared &	Analyzed:	05/13/20				
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	105		"	100		105	70-130			
Surrogate: o-Terphenyl	54.7		"	50.0		109	70-130			
LCS (P0E1306-BS1)				Prepared &	Analyzed:	05/13/20				
C6-C12	1150	25.0	mg/kg wet	1000		115	75-125			
>C12-C28	1240	25.0	"	1000		124	75-125			
Surrogate: 1-Chlorooctane	126		"	100		126	70-130			
Surrogate: o-Terphenyl	57.2		"	50.0		114	70-130			
LCS Dup (P0E1306-BSD1)				Prepared &	Analyzed:	05/13/20				
C6-C12	1170	25.0	mg/kg wet	1000		117	75-125	2.04	20	
>C12-C28	1160	25.0	"	1000		116	75-125	6.94	20	
Surrogate: 1-Chlorooctane	127		"	100		127	70-130			
Surrogate: o-Terphenyl	51.1		"	50.0		102	70-130			
Calibration Blank (P0E1306-CCB1)				Prepared &	Analyzed:	05/13/20				
C6-C12	7.29		mg/kg wet							
>C12-C28	6.90		"							
Surrogate: 1-Chlorooctane	101		"	100		101	70-130			
Surrogate: o-Terphenyl	52.3		"	50.0		105	70-130			
Calibration Blank (P0E1306-CCB2)				Prepared: ()5/13/20 A	nalyzed: 05	/14/20			
C6-C12	6.15		mg/kg wet	-		-				
>C12-C28	12.3		"							
Surrogate: 1-Chlorooctane	94.0		"	100		94.0	70-130			
Surrogate: o-Terphenyl	49.2		"	50.0		98.4	70-130			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	Merchant Livestock 24 SC 2H
13000 West County Road 100	Project Number:	CDEVID_11162019
Odessa TX, 79765	Project Manager:	Matt Green

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0E1306 - TX 1005										
Calibration Check (P0E1306-CCV1)				Prepared &	Analyzed:	05/13/20				
C6-C12	557	25.0	mg/kg wet	500		111	85-115			
>C12-C28	565	25.0	"	500		113	85-115			
Surrogate: 1-Chlorooctane	109		"	100		109	70-130			
Surrogate: o-Terphenyl	50.0		"	50.0		100	70-130			
Calibration Check (P0E1306-CCV2)				Prepared: (05/13/20 A	nalyzed: 05	/14/20			
C6-C12	494	25.0	mg/kg wet	500		98.9	85-115			
>C12-C28	534	25.0	"	500		107	85-115			
Surrogate: 1-Chlorooctane	97.2		"	100		97.2	70-130			
Surrogate: o-Terphenyl	45.0		"	50.0		90.1	70-130			
Calibration Check (P0E1306-CCV3)				Prepared: (05/13/20 A	nalyzed: 05	/14/20			
C6-C12	497	25.0	mg/kg wet	500		99.4	85-115			
>C12-C28	550	25.0	"	500		110	85-115			
Surrogate: 1-Chlorooctane	97.5		"	100		97.5	70-130			
Surrogate: o-Terphenyl	45.4		"	50.0		90.7	70-130			
Matrix Spike (P0E1306-MS1)	Sourc	e: 0E12018	8-01	Prepared: (05/13/20 A	nalyzed: 05	/14/20			
C6-C12	1150	25.3	mg/kg dry	1010	ND	114	75-125			
>C12-C28	1250	25.3	"	1010	3580	NR	75-125			QM-0
Surrogate: 1-Chlorooctane	119		"	101		118	70-130			
Surrogate: o-Terphenyl	52.2		"	50.5		103	70-130			
Matrix Spike Dup (P0E1306-MSD1)	Sourc	e: 0E12018	8-01	Prepared: (05/13/20 A	nalyzed: 05	/14/20			
C6-C12	1150	25.3	mg/kg dry	1010	ND	114	75-125	0.239	20	
>C12-C28	1230	25.3	"	1010	3580	NR	75-125	NR	20	QM-05
Surrogate: 1-Chlorooctane	119		"	101		118	70-130			
Surrogate: o-Terphenyl	51.2		"	50.5		101	70-130			

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	Merchant Livestock 24 SC 2H	Η
13000 West County Road 100	Project Number:	CDEVID_11162019	
Odessa TX, 79765	Project Manager:	Matt Green	

Notes and Definitions

ROI	Received on Ice
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
BULK	Samples received in Bulk soil containers
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By:

9/1/2020

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

un Barron

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Date:

Permian Basin Environmental Lab, L.P.

R	Relinquisher due	Religion of the second se	Relinquished by: Date	12/22/Special Instructions: Bill to Centennial	020		3-11			SSW-8 @ 1'		2 WSW-8 @ 1'	7	BH-8 @ 2'	LAB # (lab use only)	ORDER# OF 20 M	(lab use only)	Sampler Signature:		Telenhone No. (432)/30.3763	City/State/Zip: Odessa, Texas 79765	SS		Project Manager: Matt Green		
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PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



Revised Analytical Report

Prepared for:

Matt Green E Tech Environmental & Safety Solutions, Inc. 13000 West County Road 100 Odessa, TX 79765

Project: Centennial Merchant Livestock 24 SC 2H Project Number: 12174 Location: Lea County, NM

Lab Order Number: 0F26008



Current Certification

Report Date: 09/01/20

E Tech Environmental & Safety Solutions, Inc.	Project:	Centennial Merchant Livestock 24 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number:	12174	
Odessa TX, 79765	Project Manager:	Matt Green	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-8 @ 3'	0F26008-01	Soil	06/23/20 16:00	06-26-2020 09:42

On 08/31/20 PBELAB was advised by the client to change the Project name from Merchant Livestock 25 SC 2H to Merchant Livestock 24 SC 24. This revised report reflects that change.

E Tech Environmental & Safety Solutions, Inc.	Project:	Centennial Merchant Livestock 24 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number:	12174	
Odessa TX, 79765	Project Manager:	Matt Green	

BH-8 @ 3'
0F26008-01 (Soil)

Analyte	Result	Reporting Limit U	nits Dilutio	n Batch	Prepared	Analyzed	Method	Note
		P	ermian Basin	Environmenta	l Lab, L.P.			
General Chemistry Parameters	s by EPA / Sta	andard Meth	nods					
% Moisture	3.0	0.1	% 1	P0F2701	06/27/20 10:22	06/29/20 09:44	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by I	EPA Method	8015M					
C6-C12	ND	25.8 mg	/kg dry 1	P0F2607	06/26/20 13:24	06/27/20 12:41	TPH 8015M	
>C12-C28	ND	25.8 mg	/kg dry 1	P0F2607	06/26/20 13:24	06/27/20 12:41	TPH 8015M	
>C28-C35	ND	25.8 mg	/kg dry 1	P0F2607	06/26/20 13:24	06/27/20 12:41	TPH 8015M	
Surrogate: 1-Chlorooctane		94.7 %	70-130	P0F2607	06/26/20 13:24	06/27/20 12:41	TPH 8015M	
Surrogate: o-Terphenyl		99.0 %	70-130	P0F2607	06/26/20 13:24	06/27/20 12:41	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8 mg	/kg dry 1	[CALC]	06/26/20 13:24	06/27/20 12:41	calc	

E Tech Environmental & Safety Solutions, Inc.	Project:	Centennial Merchant Livestock 24 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number:	12174	
Odessa TX, 79765	Project Manager:	Matt Green	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Angleda	Result	Reporting Limit	Units	Spike Level	Source	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	KPD	Limit	Inotes
Batch P0F2701 - *** DEFAULT PREP ***										
Blank (P0F2701-BLK1)				Prepared: 0	6/27/20 At	nalyzed: 06	/29/20			
% Moisture	ND	0.1	%							
Duplicate (P0F2701-DUP1)	Sour	ce: 0F26003-	14	Prepared: 0	6/27/20 At	nalyzed: 06	/29/20			
% Moisture	ND	0.1	%		ND				20	
Duplicate (P0F2701-DUP2)	Sour	e: 0F26010-	11	Prepared: 0	6/27/20 At	nalyzed: 06	/29/20			
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P0F2701-DUP3)	Sour	e: 0F26010	38	Prepared: 0	6/27/20 At	nalyzed: 06	/29/20			
% Moisture	3.0	0.1	%		3.0			0.00	20	
Duplicate (P0F2701-DUP4)	Sour	ce: 0F26015-	11	Prepared: (6/27/20 At	nalyzed: 06	/29/20			
% Moisture	ND	0.1	%		ND				20	

E Tech Environmental & Safety Solutions, Inc.	Project:	Centennial Merchant Livestock 24 SC 2H	Fax: (432) 563-2213	
13000 West County Road 100	Project Number:	12174		
Odessa TX, 79765	Project Manager:	Matt Green		

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analysis	Dl'	Reporting	T.I	Spike	Source	0/DEC	%REC	מת	RPD	Natas
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0F2607 - TX 1005										
Blank (P0F2607-BLK1)				Prepared: (06/26/20 A	nalyzed: 06	/27/20			
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	128		"	100		128	70-130			
Surrogate: o-Terphenyl	65.8		"	50.0		132	70-130			<i>S-G</i> (
LCS (P0F2607-BS1)				Prepared: (06/26/20 A	nalyzed: 06	/27/20			
C6-C12	1080	25.0	mg/kg wet	1000		108	75-125			
>C12-C28	1180	25.0	"	1000		118	75-125			
Surrogate: 1-Chlorooctane	127		"	100		127	70-130			
Surrogate: o-Terphenyl	63.1		"	50.0		126	70-130			
LCS Dup (P0F2607-BSD1)				Prepared: (06/26/20 A	nalyzed: 06	/27/20			
C6-C12	985	25.0	mg/kg wet	1000		98.5	75-125	9.01	20	
>C12-C28	1150	25.0	"	1000		115	75-125	3.16	20	
Surrogate: 1-Chlorooctane	116		"	100		116	70-130			
Surrogate: o-Terphenyl	57.3		"	50.0		115	70-130			
Calibration Check (P0F2607-CCV1)				Prepared: (06/26/20 A	nalyzed: 06	/27/20			
C6-C12	495	25.0	mg/kg wet	500		98.9	85-115			
>C12-C28	552	25.0	"	500		110	85-115			
Surrogate: 1-Chlorooctane	125		"	100		125	70-130			
Surrogate: o-Terphenyl	62.6		"	50.0		125	70-130			
Calibration Check (P0F2607-CCV2)				Prepared: (06/26/20 A	nalyzed: 06	/27/20			
C6-C12	499	25.0	mg/kg wet	500		99.9	85-115			
>C12-C28	563	25.0	"	500		113	85-115			
Surrogate: 1-Chlorooctane	122		"	100		122	70-130			
Surrogate: o-Terphenyl	58.6		"	50.0		117	70-130			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc.	Project:	Centennial Merchant Livestock 24 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number:	12174	
Odessa TX, 79765	Project Manager:	Matt Green	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

	Reporting		Spike	Source		%REC		RPD	
Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
			Prepared: (06/26/20 A	nalyzed: 06	5/27/20			
481	25.0	mg/kg wet	500		96.2	85-115			
531	25.0	"	500		106	85-115			
120		"	100		120	70-130			
58.8		"	50.0		118	70-130			
Sou	rce: 0F26009	-01	Prepared: (06/26/20 A	nalyzed: 06	5/27/20			
1080	25.3	mg/kg dry	1010	60.0	101	75-125			
1200	25.3	"	1010	870	32.6	75-125			QM-05
125		"	101		124	70-130			
62.3		"	50.5		123	70-130			
Sou	rce: 0F26009	-01	Prepared: (06/26/20 A	nalyzed: 06	5/27/20			
1080	25.3	mg/kg dry	1010	60.0	101	75-125	0.106	20	
1190	25.3	"	1010	870	31.6	75-125	3.13	20	QM-05
124		"	101		123	70-130			
61.7		"	50.5		122	70-130			
	531 120 58.8 Sou 1080 1200 125 62.3 Sou 1080 1190 124	Result Limit 481 25.0 531 25.0 120 58.8 Source: 0F26009 1080 25.3 120 25.3 120 25.3 125 62.3 Source: 0F26009 1080 25.3 1190 25.3 124 25.3	Result Limit Units 481 25.0 mg/kg wet 531 25.0 " 120 " * 58.8 " * Source: 0F26009-01 1080 25.3 mg/kg dry 1200 25.3 " 125 " * 62.3 " * 1080 25.3 mg/kg dry 1190 25.3 mg/kg dry 1190 25.3 "	Result Limit Units Level Hermitian Limit Units Level Hermitian Limit Units Level Hermitian 25.0 mg/kg wet 500 531 25.0 " 500 531 25.0 " 500 120 " 100 58.8 " 1080 25.3 mg/kg dry 1010 1010 1200 25.3 " 1010 1010 125 " 1010 50.5 50.5 Source: 0F26009-01 Prepared: 0 50.5 50.5 Source: 0F26009-01 Prepared: 0 1010 1010 125 " 1010 1010 1010 1200 25.3 mg/kg dry 1010 1190 25.3 " 1010 124 " 1010 1010	Result Limit Units Level Result Prepared: 06/26/20 A 481 25.0 mg/kg wet 500 531 25.0 " 500 120 " 100 58.8 " 50.0 Source: 0F26009-01 Prepared: 06/26/20 A 1080 25.3 mg/kg dry 1010 60.0 1200 25.3 " 1010 870 125 " 101 50.5 50.5 Source: 0F26009-01 Prepared: 06/26/20 A 1080 125 " 1010 870 125 " 1010 870 125 " 1010 60.0 1200 25.3 " 1010 60.0 125 " 1010 870 1010 62.3 " 1010 870 1190 25.3 " 1010 870 124 " 1010	Result Limit Units Level Result %REC Prepared: $06/26/20$ Analyzed: $06/26/20$ Analyzed: $06/26/20$ Analyzed: $06/2531$ 481 25.0 mg/kg wet 500 96.2 531 25.0 " 500 106 120 " 100 120 58.8 " 50.0 118 Source: $0F26009-01$ Prepared: $06/26/20$ Analyzed: $06/26/20$ Analyzed: $06/26/20$ 1080 25.3 mg/kg dry 1010 60.0 101 1200 25.3 " 1010 60.0 101 1200 25.3 " 1010 60.0 101 1200 25.3 " 1010 870 32.6 125 " 101 124 62.3 123 Source: $0F26009-01$ Prepared: $06/26/20$ Analyzed: $06/20/20$ 1080 25.3 mg/kg dry 1010 60.0 101 1190 25.3 " 1010	Result Limit Units Level Result %REC Limits Prepared: 06/26/20 Analyzed: 06/27/20 481 25.0 mg/kg wet 500 96.2 85-115 531 25.0 " 500 106 85-115 120 " 100 120 70-130 58.8 " 50.0 118 70-130 Source: 0F26009-01 Prepared: 06/26/20 Analyzed: 06/27/20 1080 25.3 mg/kg dry 1010 60.0 101 75-125 1200 25.3 " 1010 870 32.6 75-125 1200 25.3 " 1010 870 32.6 75-125 1200 25.3 " 1010 870 32.6 70-130 62.3 " 101 124 70-130 70-130 62.3 " 101 870 31.6 75-125 1190 25.3 mg/kg dry	ResultLimitUnitsLevelResult%RECLimitsRPDPrepared: $06/26/20$ Analyzed: $06/27/20$ 48125.0mg/kg wet50096.285-11553125.0"50010685-115120"10012070-13058.8"50.011870-130Source: $0F26009-0I$ Prepared: $06/26/20$ Analyzed: $06/27/20$ 108025.3mg/kg dry101060.010175-125120"101087032.675-125120025.3"101087032.675-125125"10112470-13070-13062.3"101087031.675-125108025.3mg/kg dry101060.010175-125108025.3mg/kg dry101060.010175-125109025.3"101087031.675-125119025.3"101087031.675-1253.13124"101087031.675-1253.13	ResultLimitUnitsLevelResult%RECLimitsRPDLimitPrepared: $06/26/20$ Analyzed: $06/27/20$ 48125.0mg/kg wet50096.285-11510053125.0"50010685-115100120"10012070-13010158.811870-130Source: $0F26009-01$ Prepared: $06/26/20$ Analyzed: $06/27/20$ Prepared: $06/26/20$ Analyzed: $06/27/20$ 108025.3mg/kg dry101060.010175-125101125"10112470-13010162.310162.3"101087032.675-12510112370-13050010175-12512370-13010112470-13010112370-13062.3"101087031.675-1250.106202

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc.	Project:	Centennial Merchant Livestock 24 SC 2H
13000 West County Road 100	Project Number:	12174
Odessa TX, 79765	Project Manager:	Matt Green

Notes and Definitions

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S-GC	Surrogate recovery outside of control limits.	The data was accepted based on va	lid recovery of the remaining surrogate.

- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- BULK Samples received in Bulk soil containers
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- LCS Laboratory Control Spike
- MS Matrix Spike

Report Approved By:

Dup Duplicate

Sun Barron

9/1/2020

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

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PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



Revised Analytical Report

Prepared for:

Matt Green E Tech Environmental & Safety Solutions, Inc. 13000 West County Road 100 Odessa, TX 79765

Project: Centennial Merchant Livestock 24 SC 2H Project Number: 12174 Location: Lea County, NM

Lab Order Number: 0G30014



Current Certification

Report Date: 09/01/20

E Tech Environmental & Safety Solutions, Inc.	Project:	Centennial Merchant Livestock 24 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number:	12174	
Odessa TX, 79765	Project Manager:	Matt Green	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom Hole 1 @ 9.5'	0G30014-01	Soil	07/28/20 09:30	07-30-2020 15:34
Bottom Hole 2 @ 9.5'	0G30014-02	Soil	07/28/20 09:35	07-30-2020 15:34
West Sidewall 1 @ 6'	0G30014-03	Soil	07/28/20 09:40	07-30-2020 15:34
West Sidewall 2 @ 6'	0G30014-04	Soil	07/28/20 09:50	07-30-2020 15:34

On 08/31/20 PBELAB was advised by the client to change the Project name from Merchant Livestock 25 SC 2H to Merchant Livestock 24 SC 24. This revised report reflects that change.

E Tech Environmental & Safety Solutions, Inc.	Project:	Centennial Merchant Livestock 24 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number:	12174	
Odessa TX, 79765	Project Manager:	Matt Green	

Bottom Hole 1 @ 9.5'

0G30014-01 (Soil)

Analyte	R Result	eporting Limit Units	Dilution	Batch	Prepared	Analyzed	Method	Notes						
	Permian Basin Environmental Lab, L.P.													
General Chemistry Parameters by EPA / Standard Methods														
Chloride	21.2	1.11 mg/kg dry	1	P0H0704	08/07/20 11:14	08/08/20 01:19	EPA 300.0							
% Moisture	10.0	0.1 %	1	P0H0402	08/04/20 09:46	08/04/20 09:52	ASTM D2216							

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. 13000 West County Road 100 Odessa TX, 79765			Project coject Number oject Manager	C 2H	Fax: (432) 563-2213									
	Bottom Hole 2 @ 9.5' 0G30014-02 (Soil)													
Analyte Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes						
		Permia	ın Basin Env	vironmental	Lab, L.P.									
General Chemistry Parameters by EPA/S	Standard Me	ethods												
Chloride 380	1.10 1	ng/kg dry	/ 1	P0H0704	08/07/20 11:14	08/08/20 02:06	EPA 300.0							
% Moisture 9.0	0.1	%	1	P0H0402	08/04/20 09:46	08/04/20 09:52	ASTM D2216							

E Tech Environmental & Safety Solutions, 13000 West County Road 100 Odessa TX, 79765	Inc.			roject Number		Merchant Livestock 24 S	Fax: (432) 56	53-2213					
West Sidewall 1 @ 6' 0G30014-03 (Soil)													
Analyte F	esult	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes				
Permian Basin Environmental Lab, L.P.													
General Chemistry Parameters by EP	A/St	andard Me	ethods										
	25.9		ng/kg dry	7 5	P0H0704	08/07/20 11:14	08/08/20 02:22	EPA 300.0					
% Moisture	9.0	0.1	%	1	P0H0402	08/04/20 09:46	08/04/20 09:52	ASTM D2216					

E Tech Environmental & Safety Solu 13000 West County Road 100 Odessa TX, 79765	utions, Inc.			Project oject Number oject Manager	С 2Н	Fax: (432) 563-2213							
West Sidewall 2 @ 6' 0G30014-04 (Soil)													
Analyte	Result	Reporting Limit U	Jnits	Dilution	Batch	Prepared	Analyzed	Method	Notes				
	Permian Basin Environmental Lab, L.P.												
General Chemistry Parameters													
Chloride % Moisture	23.7 6.0	1.06 m 0.1	g/kg dry %	1	P0H0704 P0H0402	08/07/20 11:14 08/04/20 09:46	08/08/20 02:37 08/04/20 09:52	EPA 300.0 ASTM D2216					

E Tech Environmental & Safety Solutions, Inc.	Project:	Centennial Merchant Livestock 24 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number:	12174	
Odessa TX, 79765	Project Manager:	Matt Green	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

					-					
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0H0402 - *** DEFAULT PREP ***										
Datch P0H0402 - """ DEFAULT PREP """										
Blank (P0H0402-BLK1)				Prepared &	Analyzed:	08/04/20				
% Moisture	ND	0.1	%							
Blank (P0H0402-BLK2)				Prepared &	Analyzed:	08/04/20				
% Moisture	ND	0.1	%							
Blank (P0H0402-BLK3)				Prepared &	analyzed:	08/04/20				
% Moisture	ND	0.1	%							
Duplicate (P0H0402-DUP1)	Sou	rce: 0G30014-	·01	Prepared &	Analyzed:	08/04/20				
% Moisture	10.0	0.1	%		10.0			0.00	20	
Duplicate (P0H0402-DUP2)	Sou	rce: 0G31001-	-06	Prepared &	Analyzed:	08/04/20				
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P0H0402-DUP3)	Sou	rce: 0G31007-	-02	Prepared &	Analyzed:	08/04/20				
% Moisture	8.0	0.1	%		8.0			0.00	20	
Duplicate (P0H0402-DUP4)	Sou	rce: 0G31008-	-05	Prepared &	Analyzed:	08/04/20				
% Moisture	3.0	0.1	%		3.0			0.00	20	
Duplicate (P0H0402-DUP5)	Sou	rce: 0H03007-	-03	Prepared &	z Analyzed:	08/04/20				
% Moisture	7.0	0.1	%		7.0			0.00	20	
Duplicate (P0H0402-DUP6)	Sou	rce: 0H03007-	-13	Prepared &	Analyzed:	08/04/20				
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P0H0402-DUP7)	rce: 0H03011-	03	Prepared &	Analyzed:	08/04/20					
% Moisture	6.0	0.1	%		6.0			0.00	20	

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc.	Project:	Centennial Merchant Livestock 24 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number:	12174	
Odessa TX, 79765	Project Manager:	Matt Green	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Decult	Reporting	Lluita	Spike	Source	0/DEC	%REC	DDD	RPD Limit	Notes
Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Inotes
			Prepared &	analyzed:	08/07/20				
409	1.00	mg/kg wet	400		102	80-120			
			Prepared &	analyzed:	08/07/20				
411	1.00	mg/kg wet	400		103	80-120	0.415	20	
			Prepared &	Analyzed:	08/07/20				
20.1		mg/kg	20.0		101	0-200			
			Prepared: (08/07/20 A	nalyzed: 08	/08/20			
19.9		mg/kg	20.0		99.7	0-200			
			Prepared: (08/07/20 A	nalyzed: 08	/08/20			
20.4		mg/kg	20.0		102	0-200			
Sour	·ce: 0G3001(0-05	Prepared: (08/07/20 A	nalyzed: 08	/08/20			
1100	1.03	mg/kg dry	515	785	61.7	80-120			QM-0
Sour	·ce: 0G30014	4-01	Prepared: (08/07/20 A	nalyzed: 08	/08/20			
548	1.11	mg/kg dry	556	21.2	94.8	80-120			
Sour	·ce: 0G3001()-05	Prepared: (08/07/20 A	nalyzed: 08	/08/20			
1190	1.03	mg/kg dry	515	785	79.2	80-120	7.85	20	QM-0
Sour	·ce: 0G30014	4-01	Prepared: (08/07/20 A	nalyzed: 08	/08/20			
			1		,	-			
	411 20.1 19.9 20.4 Sour 548 Sour 1190	Result Limit 409 1.00 411 1.00 20.1 20.1 19.9 20.4 Source: 0G30014 1.03 Source: 0G30014 1.03 Source: 0G30014 1.01 548 1.11 Source: 0G30014 1.03 1190 1.03	Result Limit Units 409 1.00 mg/kg wet 411 1.00 mg/kg wet 20.1 mg/kg 19.9 mg/kg 20.4 mg/kg 1100 1.03 mg/kg dry 50urce: 0G30010-U5 1100 1.03 mg/kg dry 548 1.11 mg/kg dry	Result Limit Units Level 409 1.00 mg/kg wet 400 409 1.00 mg/kg wet 400 411 1.00 mg/kg wet 400 411 1.00 mg/kg wet 400 20.1 mg/kg 20.0 Prepared & 20.1 mg/kg 20.0 Prepared & 19.9 mg/kg 20.0 Prepared & 20.4 mg/kg 20.0 Prepared & 1100 1.03 mg/kg dry 515 Source: 0G30010-05 Prepared (Prepared (548 1.11 mg/kg dry 556 Source: 0G30010-05 Prepared (1190 1.03 mg/kg dry 515	Result Limit Units Level Result 409 1.00 mg/kg wet 400 Prepared & Analyzed: 409 1.00 mg/kg wet 400 Prepared & Analyzed: 411 1.00 mg/kg wet 400 Prepared & Analyzed: 20.1 mg/kg 20.0 Prepared: 08/07/20 A 19.9 mg/kg 20.0 Prepared: 08/07/20 A 19.9 mg/kg 20.0 Prepared: 08/07/20 A 19.9 mg/kg 20.0 Prepared: 08/07/20 A 1100 1.03 mg/kg dry 515 785 A 548 1.11 mg/kg dry 556 21.2 A 548 1.03 mg/kg dry 515 785 A 1190 1.03 mg/kg dry 515 785 A	Result Limit Units Level Result %REC 409 1.00 mg/kg wet 400 102 409 1.00 mg/kg wet 400 102 411 1.00 mg/kg wet 400 103 411 1.00 mg/kg wet 400 103 20.1 mg/kg 20.0 101 Prepared & Analyzed: 08/07/20 Analyzed: 08 08/07/20 20.1 mg/kg 20.0 101 Prepared: 08/07/20 Analyzed: 08 08 19.9 mg/kg 20.0 99.7 Prepared: 08/07/20 Analyzed: 08 08 20.4 mg/kg 20.0 102 Source: 0G30010-05 Prepared: 08/07/20 Analyzed: 08 1100 1.03 mg/kg dry 515 785 61.7 Source: 0G30014-01 Prepared: 08/07/20 Analyzed: 08 08 548 1.11 mg/kg dry 556 21.2 94.8 Source: 0G30010-05	Result Limit Units Level Result %REC Limits Result Limit Units Level Result %REC Limits 409 1.00 mg/kg wet 400 102 80-120 409 1.00 mg/kg wet 400 103 80-120 411 1.00 mg/kg wet 400 103 80-120 411 1.00 mg/kg wet 400 103 80-120 20.1 mg/kg 20.0 101 0-200 20.1 mg/kg 20.0 Analyzed: 08/07/20 Analyzed: 08/08/20 19.9 mg/kg 20.0 99.7 0-200 19.9 mg/kg 20.0 101 0-200 20.4 mg/kg 20.0 99.7 0-200 20.4 mg/kg 20.0 102 0-200 20.4 mg/kg 20.0 102 0-200 1100 1.03 mg/kg 515 785 61.7 80-120 548 1.11 mg/kg dry 515	Result Limit Units Level Result %REC Limits RPD Prepared & Analyzed: $08/07/20$ 409 1.00 mg/kg wet 400 102 80-120 90 409 1.00 mg/kg wet 400 102 80-120 90 411 1.00 mg/kg wet 400 103 80-120 0.415 411 1.00 mg/kg wet 400 103 80-120 0.415 20.1 mg/kg 20.0 101 0-200 90 90.7 0-200 19.9 mg/kg 20.0 99.7 0-200 90.7 0-200 19.9 mg/kg 20.0 101 0-200 90.7 0-200 20.4 mg/kg 20.0 102 0-200 90.7 0-200 20.4 mg/kg 20.0 102 0-200 102 0-200 1100 1.03 mg/kg 515 785 61.7 80-120<	Result Limit Units Level Result %REC Limits RPD Limit 409 1.00 mg/kg wet 400 102 80-120 $$

E Tech Environmental & Safety Solutions, Inc.	Project:	Centennial Merchant Livestock 24 SC 2H
13000 West County Road 100	Project Number:	12174
Odessa TX, 79765	Project Manager:	Matt Green

Notes and Definitions

ROI	Received on Ice
KOI	Received on hee

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

BULK Samples received in Bulk soil containers

DET Analyte DETECTED

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- LCS Laboratory Control Spike
- MS Matrix Spike
- Dup Duplicate

Sun Barron Report Approved By:

9/1/2020

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

Date:

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E Tech Enviror	E Tech Environmental & Safety Solutions, Inc.		Merchant Livestock 24 SC 2H
13000 West County Road 100		Project Number:	CDEVID_11162019
Odessa TX, 79765		Project Manager:	Matt Green
SAMPLED:	09/23/20	REPORTED:	10/07/20 11:18
RECEIVED:	09-28-202		

SUMMARY REPORT

LAB #		0I28008-01	0I28008-02	0I28008-03	0I28008-04	-	-
MATRIX	Minimum	Soil	Soil	Soil	Soil	-	-
SAMPLE ID	Reporting Limit	Bottom Hole 9 @ 13'	North Sidewall 9 @ 8'	East Sidewall 9 @ 8'	West Sidewall 9 @ 8'	-	-
BTEX by 8021B (Soil)							
Benzene	0.00100 mg/kg dry	<0.00108	<0.00109	<0.00109	<0.00108	-	-
Toluene	0.00100 mg/kg dry	<0.00108	<0.00109	<0.00109	<0.00108	-	-
Ethylbenzene	0.00100 mg/kg dry	<0.00108	<0.00109	<0.00109	<0.00108	-	-
Xylene (p/m)	0.00200 mg/kg dry	<0.00215	<0.00217	<0.00217	<0.00215	-	-
Xylene (o)	0.00100 mg/kg dry	<0.00108	<0.00109	<0.00109	<0.00108	-	-
1,4-Difluorobenzene	125 [surr]	103%	101%	99.4%	102%	-	-
4-Bromofluorobenzene	125 [surr]	120%	123%	128% [4]	123%	-	-
General Chemistry Parameters	by EPA / Standaı	d Methods (So	il)				
Chloride	1.00 mg/kg dry	462	213	29.0	246	-	-
% Moisture	0.1 %	7.0	8.0	8.0	7.0	-	-
Total Petroleum Hydrocarbons	C6-C35 by EPA M	ethod 8015M ((Soil)				
C6-C12	25.0 mg/kg dry	<26.9	<27.2	<27.2	<26.9	-	-
>C12-C28	25.0 mg/kg dry	<26.9	<27.2	<27.2	<26.9	-	-
>C28-C35	25.0 mg/kg dry	<26.9	<27.2	<27.2	<26.9	-	-
1-Chlorooctane	130 [surr]	106%	115%	106%	108%	-	-
o-Terphenyl	130 [surr]	114%	120%	114%	116%	-	-
Total Petroleum Hydrocarbon C6-C35	26.9 mg/kg dry	<26.9	-	-	<26.9	-	-
Total Petroleum Hydrocarbon C6-C35	27.2 mg/kg dry	-	<27.2	<27.2	-	-	-

Permian Basin Environmental Lab, L.P.

anon

Sara Gotcher For Brent Barron Technical Director



1400 Rankin Hwy Midland, Tx 79701 Phone: 432-686-7235

Page 2 of 2

E Tech Environ	mental & Safety Solutions, Inc.	Project:	Merchant Livestock 24 SC 2H
13000 West County Road 100		Project Number:	CDEVID_11162019
Odessa TX, 79765		Project Manager:	Matt Green
SAMPLED: RECEIVED:	09/23/20 09-28-202	REPORTED:	10/07/20 11:18

Special Notes

- 1 = Samples received in Bulk soil containers
- 2 = The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- 3 = Received on Ice
- 4 = Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

Permian Basin Environmental Lab, L.P.

anon

Sara Gotcher For Brent Barron Technical Director

PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



Analytical Report

Prepared for:

Matt Green E Tech Environmental & Safety Solutions, Inc. 13000 West County Road 100 Odessa, TX 79765

Project: Merchant Livestock 24 SC 2H Project Number: CDEVID_11162019 Location: Lea County, NM

Lab Order Number: 0I28008



NELAP/TCEQ # T104704516-17-8

Report Date: 10/07/20

E Tech Environmental & Safety Solutions, Inc.	
13000 West County Road 100	Project
Odessa TX, 79765	Project

Project: Merchant Livestock 24 SC 2H Project Number: CDEVID_11162019 Project Manager: Matt Green

Fax: (432) 563-2213

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom Hole 9 @ 13'	0I28008-01	Soil	09/23/20 12:05	09-28-2020 15:28
North Sidewall 9 @ 8'	0I28008-02	Soil	09/23/20 12:10	09-28-2020 15:28
East Sidewall 9 @ 8'	0I28008-03	Soil	09/23/20 12:04	09-28-2020 15:28
West Sidewall 9 @ 8'	0I28008-04	Soil	09/23/20 12:15	09-28-2020 15:28

E Tech Environmental & Safety Solutions, Inc.	Project:	Merchant Livestock 24 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number:	CDEVID_11162019	
Odessa TX, 79765	Project Manager:	Matt Green	

Bottom Hole 9 @ 13' 0128008-01 (Soil)											
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
	Perr	nian Basin F	Environmer	ıtal Lab, I	P.						
BTEX by 8021B											
Benzene	ND	0.00108	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B			
Toluene	ND	0.00108	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B			
Ethylbenzene	ND	0.00108	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B			
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B			
Xylene (o)	ND	0.00108	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B			
Surrogate: 4-Bromofluorobenzene		120 %	75-1	25	P0I3009	09/30/20	10/01/20	EPA 8021B			
Surrogate: 1,4-Difluorobenzene		103 %	75-1	25	P0I3009	09/30/20	10/01/20	EPA 8021B			
General Chemistry Parameters by EPA / S	Standard Method	ls									
Chloride	462	5.38	mg/kg dry	5	P0J0605	10/06/20	10/06/20	EPA 300.0			
% Moisture	7.0	0.1	%	1	P0I2901	09/29/20	09/29/20	ASTM D2216			
Total Petroleum Hydrocarbons C6-C35 by	y EPA Method 80)15M									
C6-C12	ND	26.9	mg/kg dry	1	P0I2902	09/29/20	09/29/20	TPH 8015M			
>C12-C28	ND	26.9	mg/kg dry	1	P0I2902	09/29/20	09/29/20	TPH 8015M			
>C28-C35	ND	26.9	mg/kg dry	1	P0I2902	09/29/20	09/29/20	TPH 8015M			
Surrogate: 1-Chlorooctane		106 %	70-1	30	P012902	09/29/20	09/29/20	TPH 8015M			
Surrogate: o-Terphenyl		114 %	70-1	30	P012902	09/29/20	09/29/20	TPH 8015M			
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	09/29/20	09/29/20	calc			

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E Tech Environmental & Safety Solutions, Inc 13000 West County Road 100 Odessa TX, 79765		Project: Merchant Livestock 24 SC 2H Project Number: CDEVID_11162019 Project Manager: Matt Green						Fax: (432) 563-2213		
			Sidewall 9 008-02 (Soi	0						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
	Per	mian Basin I	Environmer	ntal Lab, l	L .P.					
BTEX by 8021B										
Benzene	ND	0.00109	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B		
Toluene	ND	0.00109	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B		
Ethylbenzene	ND	0.00109	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B		
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B		
Xylene (o)	ND	0.00109	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B		
Surrogate: 1,4-Difluorobenzene		101 %	75-1	25	P0I3009	09/30/20	10/01/20	EPA 8021B		
Surrogate: 4-Bromofluorobenzene		123 %	75-1	25	P0I3009	09/30/20	10/01/20	EPA 8021B		
General Chemistry Parameters by EPA /	Standard Metho	ds								
Chloride	213	1.09	mg/kg dry	1	P0J0605	10/06/20	10/06/20	EPA 300.0		
% Moisture	8.0	0.1	%	1	P0I2901	09/29/20	09/29/20	ASTM D2216		
Total Petroleum Hydrocarbons C6-C35 b	y EPA Method 8	015M								
C6-C12	ND	27.2	mg/kg dry	1	P0I2902	09/29/20	09/29/20	TPH 8015M		
>C12-C28	ND	27.2	mg/kg dry	1	P0I2902	09/29/20	09/29/20	TPH 8015M		
>C28-C35	ND	27.2	mg/kg dry	1	P0I2902	09/29/20	09/29/20	TPH 8015M		
Surrogate: 1-Chlorooctane		115 %	70-1	30	P012902	09/29/20	09/29/20	TPH 8015M		
Surrogate: o-Terphenyl		120 %	70-1	30	P012902	09/29/20	09/29/20	TPH 8015M		
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	09/29/20	09/29/20	calc		

E Tech Environmental & Safety Solutions, Inc 13000 West County Road 100 Odessa TX, 79765		Proj Project Num Project Mana		Fax: (432) 56	53-2213				
			dewall 9 (0					
		0128	008-03 (Soi	l)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Peri	nian Basin H	Environmer	ntal Lab, l	L .P.				
BTEX by 8021B									
Benzene	ND	0.00109	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		128 %	75-1	25	P0I3009	09/30/20	10/01/20	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		99.4 %	75-1	25	P013009	09/30/20	10/01/20	EPA 8021B	
General Chemistry Parameters by EPA /	Standard Method	ls							
Chloride	29.0	5.43	mg/kg dry	5	P0J0605	10/06/20	10/06/20	EPA 300.0	
% Moisture	8.0	0.1	%	1	P0I2901	09/29/20	09/29/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 b	y EPA Method 80)15M							
C6-C12	ND	27.2	mg/kg dry	1	P0I2902	09/29/20	09/29/20	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P0I2902	09/29/20	09/29/20	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P0I2902	09/29/20	09/29/20	TPH 8015M	
Surrogate: 1-Chlorooctane		106 %	70-1	30	P012902	09/29/20	09/29/20	TPH 8015M	
Surrogate: o-Terphenyl		114 %	70-1	30	P012902	09/29/20	09/29/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	09/29/20	09/29/20	calc	

E Tech Environmental & Safety Solutions, Inc. 13000 West County Road 100 Odessa TX, 79765		Project: Merchant Livestock 24 SC 2H Project Number: CDEVID_11162019 Project Manager: Matt Green							Fax: (432) 563-2213		
			idewall 9 (008-04 (Soil	-							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
	Per	mian Basin F	Environmen	tal Lab, I	L .P.						
BTEX by 8021B											
Benzene	ND	0.00108	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B			
Toluene	ND	0.00108	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B			
Ethylbenzene	ND	0.00108	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B			
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B			
Xylene (o)	ND	0.00108	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B			
Surrogate: 1,4-Difluorobenzene		102 %	75-12	25	P0I3009	09/30/20	10/01/20	EPA 8021B			
Surrogate: 4-Bromofluorobenzene		123 %	75-12	25	P013009	09/30/20	10/01/20	EPA 8021B			
General Chemistry Parameters by EPA / Stan	dard Metho	ds									
Chloride	246	1.08	mg/kg dry	1	P0J0605	10/06/20	10/06/20	EPA 300.0			
% Moisture	7.0	0.1	%	1	P0I2901	09/29/20	09/29/20	ASTM D2216			
Total Petroleum Hydrocarbons C6-C35 by EP	A Method 8	015M									
C6-C12	ND	26.9	mg/kg dry	1	P0I2902	09/29/20	09/29/20	TPH 8015M			
>C12-C28	ND	26.9	mg/kg dry	1	P0I2902	09/29/20	09/29/20	TPH 8015M			
>C28-C35	ND	26.9	mg/kg dry	1	P0I2902	09/29/20	09/29/20	TPH 8015M			
Surrogate: 1-Chlorooctane		108 %	70-13	30	P0I2902	09/29/20	09/29/20	TPH 8015M			
Surrogate: o-Terphenyl		116 %	70-13	30	P012902	09/29/20	09/29/20	TPH 8015M			
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	09/29/20	09/29/20	calc			

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13000 West County Road 100	Project Number:	CDEVID_11162019	
Odessa TX, 79765	Project Manager:	Matt Green	

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

	D k	Reporting	TT '	Spike	Source	NDEC	%REC	DDD	RPD	N. (
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I3009 - General Preparation (GC)										
Blank (P0I3009-BLK1)				Prepared: (09/30/20 Ar	nalyzed: 10	/01/20			
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	75-125			
Surrogate: 4-Bromofluorobenzene	0.139		"	0.120		116	75-125			
LCS (P0I3009-BS1)				Prepared: (09/30/20 Ar	nalyzed: 10	/01/20			
Benzene	0.0912	0.00100	mg/kg wet	0.100		91.2	70-130			
Toluene	0.0886	0.00100	"	0.100		88.6	70-130			
Ethylbenzene	0.0970	0.00100	"	0.100		97.0	70-130			
Xylene (p/m)	0.193	0.00200	"	0.200		96.7	70-130			
Xylene (o)	0.111	0.00100	"	0.100		111	70-130			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.6	75-125			
Surrogate: 4-Bromofluorobenzene	0.159		"	0.120		132	75-125			S-GC
LCS Dup (P0I3009-BSD1)				Prepared: (09/30/20 Ar	nalyzed: 10	/01/20			
Benzene	0.0828	0.00100	mg/kg wet	0.100		82.8	70-130	9.66	20	
Toluene	0.0833	0.00100	"	0.100		83.3	70-130	6.21	20	
Ethylbenzene	0.0925	0.00100	"	0.100		92.5	70-130	4.78	20	
Xylene (p/m)	0.171	0.00200	"	0.200		85.7	70-130	12.0	20	
Xylene (o)	0.100	0.00100	"	0.100		100	70-130	10.0	20	
Surrogate: 4-Bromofluorobenzene	0.145		"	0.120		121	75-125			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	75-125			
Calibration Check (P0I3009-CCV1)				Prepared: (09/30/20 Ar	nalyzed: 10	/01/20			
Benzene	0.0900	0.00100	mg/kg wet	0.100		90.0	80-120			
Toluene	0.0883	0.00100	"	0.100		88.3	80-120			
Ethylbenzene	0.0994	0.00100	"	0.100		99.4	80-120			
Xylene (p/m)	0.175	0.00200	"	0.200		87.3	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.7	75-125			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.7	75-125			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc.	Project: Merchant Livestock 24 SC 2H
13000 West County Road 100	Project Number: CDEVID_11162019
Odessa TX, 79765	Project Manager: Matt Green

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I3009 - General Preparation (GC)										
Calibration Check (P0I3009-CCV2)	Prepared: 09/30/20 Analyzed: 10/01/20									
Benzene	0.0876	0.00100	mg/kg wet	0.100		87.6	80-120			
Toluene	0.0861	0.00100	"	0.100		86.1	80-120			
Ethylbenzene	0.0966	0.00100	"	0.100		96.6	80-120			
Xylene (p/m)	0.177	0.00200	"	0.200		88.4	80-120			
Xylene (o)	0.105	0.00100		0.100		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.8	75-125			
Surrogate: 4-Bromofluorobenzene	0.146		"	0.120		121	75-125			
Calibration Check (P0I3009-CCV3)	Prepared: 09/30/20 Analyzed: 10/01/20									
Benzene	0.0852	0.00100	mg/kg wet	0.100		85.2	80-120			
Toluene	0.0873	0.00100	"	0.100		87.3	80-120			
Ethylbenzene	0.0952	0.00100	"	0.100		95.2	80-120			
Xylene (p/m)	0.171	0.00200		0.200		85.4	80-120			
Xylene (o)	0.102	0.00100		0.100		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.138		"	0.120		115	75-125			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	75-125			
Matrix Spike (P0I3009-MS1)	Sou	rce: 0I23010-	-72	Prepared: (09/30/20 A	nalyzed: 10	/01/20			
Benzene	0.0774	0.00100	mg/kg dry	0.100	ND	77.4	80-120			QM-07
Toluene	0.0763	0.00100	"	0.100	ND	76.3	80-120			QM-07
Ethylbenzene	0.0832	0.00100		0.100	ND	83.2	80-120			
Xylene (p/m)	0.132	0.00200		0.200	ND	66.2	80-120			QM-07
Xylene (o)	0.0729	0.00100		0.100	ND	72.9	80-120			QM-07
Surrogate: 4-Bromofluorobenzene	0.146		"	0.120		122	75-125			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		105	75-125			
Matrix Spike Dup (P0I3009-MSD1)	Sou	rce: 0I23010-	-72	Prepared: (09/30/20 A	nalyzed: 10	/01/20			
Benzene	0.0715	0.00100	mg/kg dry	0.100	ND	71.5	80-120	7.94	20	QM-07
Toluene	0.0726	0.00100	"	0.100	ND	72.6	80-120	5.00	20	QM-07
Ethylbenzene	0.0781	0.00100		0.100	ND	78.1	80-120	6.30	20	QM-07
Xylene (p/m)	0.125	0.00200		0.200	ND	62.3	80-120	6.18	20	QM-07
Xylene (o)	0.0687	0.00100		0.100	ND	68.7	80-120	5.96	20	QM-07
Surrogate: 4-Bromofluorobenzene	0.137		"	0.120		115	75-125			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.6	75-125			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. 13000 West County Road 100 Odessa TX, 79765	Project: Merchant Livestock 24 SC 2H Project Number: CDEVID_11162019 Project Manager: Matt Green							Fax: (432)	563-2213	
General Chem	-	ameters by nian Basin	-				lity Con	trol		
	1 (11)		Environ		-	•	N/DEC		DDD	
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0I2901 - *** DEFAULT PREP ***										
Blank (P0I2901-BLK1)				Prepared &	Analyzed:	09/29/20				
% Moisture	ND	0.1	%							
Batch P0J0605 - *** DEFAULT PREP ***										
Blank (P0J0605-BLK1)			Prepared & Analyzed: 10/06/20							
Chloride	ND	1.00	mg/kg wet							
LCS (P0J0605-BS1)				Prepared & Analyzed: 10/06/20						
Chloride	405	1.00	mg/kg wet	400		101	80-120			
LCS Dup (P0J0605-BSD1)				Prepared &	Analyzed:	10/06/20				
Chloride	405	1.00	mg/kg wet	400		101	80-120	0.0123	20	
Calibration Blank (P0J0605-CCB1)				Prepared & Analyzed: 10/06/20						
Chloride	0.00		mg/kg wet							
Calibration Blank (P0J0605-CCB2)		Prepared & Analyzed: 10/06/20								
Chloride	0.00		mg/kg wet							
Calibration Check (P0J0605-CCV1)				Prepared &	Analyzed:	10/06/20				
Chloride	19.2		mg/kg	20.0	•	96.2	0-200			
Calibration Check (P0J0605-CCV2)				Prepared &	z Analyzed:	10/06/20				
Chloride	19.3		mg/kg	20.0		96.7	0-200			
Calibration Check (P0J0605-CCV3)				Prepared: 1	0/06/20 A	nalyzed: 10	/07/20			
Chloride	19.4		mg/kg	20.0		97.0	0-200			

E Tech Environmental & Safety Solutions, Inc.	Project: Merchant Livestock 24 SC 2H	Fax: (432) 563-2213
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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

	Reporting		Spike	Source		%REC		RPD	
Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Sourc	e: 0I25014-82		Prepared &	Analyzed:	10/06/20				
551	1.01 mg	g/kg dry	505	67.8	95.6	80-120			
Source: 0125020-09		Prepared & Analyzed: 10/06/20							
4980	12.2 mg	g/kg dry	1220	3690	106	80-120			
Source: 0I25014-82		Prepared & Analyzed: 10/06/20							
556	1.01 mg	g/kg dry	505	67.8	96.7	80-120	0.980	20	
	Source: 0125020-09								
Sourc	e: 0125020-09		Prepared &	Analyzed:	10/06/20				
-	Sourc 551 Sourc 4980 Sourc	Result Limit Source: 0125014-82 551 1.01 m Source: 0125020-09 4980 12.2 m Source: 0125014-82	Result Limit Units Source: 0125014-82 551 1.01 mg/kg dry Source: 0125020-09 g/kg dry 4980 12.2 mg/kg dry Source: 0125014-82	Result Limit Units Level Source: 0I25014-82 Prepared & 551 1.01 mg/kg dry 505 Source: 0I25020-09 Prepared & 4980 12.2 mg/kg dry Source: 0I25014-82 Prepared &	Result Limit Units Level Result Source: 0I25014-82 Prepared & Analyzed: 551 1.01 mg/kg dry 505 67.8 Source: 0I25020-09 Prepared & Analyzed: 980 12.2 mg/kg dry 1220 3690 Source: 0I25014-82 Prepared & Analyzed: 980 12.2 980 1220 3690	Result Limit Units Level Result %REC Source: 0125014-82 Prepared & Analyzed: 10/06/20 551 1.01 mg/kg dry 505 67.8 95.6 Source: 0125020-09 Prepared & Analyzed: 10/06/20 4980 12.2 mg/kg dry 1220 3690 106 Source: 0125014-82 Prepared & Analyzed: 10/06/20	Result Limit Units Level Result %REC Limits Source: 0I25014-82 Prepared & Analyzed: 10/06/20	Result Limit Units Level Result %REC Limits RPD Source: ILimit Units Level Result %REC Limits RPD Source: II25014-82 Prepared & Analyzed: 10/06/20	ResultLimitUnitsLevelResult%RECLimitsRPDLimitSource: $0125014-82$ Prepared & Analyzed: $10/06/20$ Image:

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc.	Project:	Merchant Livestock 24 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number:	CDEVID_11162019	
Odessa TX, 79765	Project Manager:	Matt Green	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I2902 - TX 1005										
Blank (P0I2902-BLK1)				Prepared &	Analyzed:	09/29/20				
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	89.2		"	100		89.2	70-130			
Surrogate: o-Terphenyl	47.1		"	50.0		94.2	70-130			
LCS (P0I2902-BS1)				Prepared &	Analyzed:	09/29/20				
C6-C12	911	25.0	mg/kg wet	1000		91.1	75-125			
>C12-C28	1110	25.0	"	1000		111	75-125			
Surrogate: 1-Chlorooctane	117		"	100		117	70-130			
Surrogate: o-Terphenyl	52.6		"	50.0		105	70-130			
LCS Dup (P0I2902-BSD1)				Prepared &	Analyzed:	09/29/20				
C6-C12	902	25.0	mg/kg wet	1000		90.2	75-125	1.07	20	
>C12-C28	1100	25.0	"	1000		110	75-125	0.702	20	
Surrogate: 1-Chlorooctane	116		"	100		116	70-130			
Surrogate: o-Terphenyl	50.6		"	50.0		101	70-130			
Calibration Check (P0I2902-CCV1)				Prepared &	Analyzed:	09/29/20				
C6-C12	499	25.0	mg/kg wet	500		99.9	85-115			
>C12-C28	574	25.0	"	500		115	85-115			
Surrogate: 1-Chlorooctane	105		"	100		105	70-130			
Surrogate: o-Terphenyl	49.5		"	50.0		99.0	70-130			
Calibration Check (P0I2902-CCV2)				Prepared &	z Analyzed:	09/29/20				
C6-C12	476	25.0	mg/kg wet	500		95.1	85-115			
>C12-C28	540	25.0	"	500		108	85-115			
Surrogate: 1-Chlorooctane	102		"	100		102	70-130			
Surrogate: o-Terphenyl	46.8		"	50.0		93.6	70-130			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc.	Project: Mer	erchant Livestock 24 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number: CD	DEVID_11162019	
Odessa TX, 79765	Project Manager: Mat	att Green	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0I2902 - TX 1005										
Calibration Check (P0I2902-CCV3)				Prepared:	09/29/20 At	nalyzed: 09	/30/20			
C6-C12	437	25.0	mg/kg wet	500		87.4	85-115			
>C12-C28	487	25.0	"	500		97.5	85-115			
Surrogate: 1-Chlorooctane	92.8		"	100		92.8	70-130			
Surrogate: o-Terphenyl	43.3		"	50.0		86.6	70-130			
Matrix Spike (P0I2902-MS1)	Sou	rce: 0I28008	-01	Prepared &	& Analyzed:	09/29/20				
C6-C12	863	26.9	mg/kg dry	1080	15.3	78.8	75-125			
>C12-C28	1000	26.9	"	1080	26.4	90.9	75-125			
Surrogate: 1-Chlorooctane	110		"	108		102	70-130			
Surrogate: o-Terphenyl	47.9		"	53.8		89.2	70-130			
Matrix Spike Dup (P0I2902-MSD1)	Sou	rce: 0I28008	-01	Prepared &	& Analyzed:	09/29/20				
C6-C12	908	26.9	mg/kg dry	1080	15.3	83.0	75-125	5.15	20	
>C12-C28	1050	26.9	"	1080	26.4	95.5	75-125	4.98	20	
Surrogate: 1-Chlorooctane	114		"	108		106	70-130			
Surrogate: o-Terphenyl	48.3		"	53.8		89.8	70-130			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc.	Project: Merchant Livestock 24 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number: CDEVID_11162019	
Odessa TX, 79765	Project Manager: Matt Green	

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
ROI	Received on Ice
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BULK	Samples received in Bulk soil containers
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By:

Bun Barron Date: 10/7/2020

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc.	Project: Merchant Livestock 24 SC 2H	Fax: (432) 563-2213
13000 West County Road 100	Project Number: CDEVID_11162019	
Odessa TX, 79765	Project Manager: Matt Green	

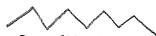
Permian Basin Environmental Lab, L.P.

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	ed by:	Đđ	S IL Z	Special instructions: Bill to Centennial						West Sidewall 9 @ 8'	East Sidewall 9 @ 8'	North Sidewall 9 @ 8'	Bottom Hole 9 @ 13'	FIELD CODE	# 0IA8008		Sampler Signature:	Telephone No: (432)230-3763	City/State/Zip: Odessa, Texas 79765	Company Address: 13000 W CR 100	Company Name Etech Environmental and Safety Solutions, Inc.	Project Manager: Matt Green	BBLAB	
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District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505



State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Centennial Resource Production, Inc	OGRID: 372165
Contact Name: Zane Kurtz	Contact Telephone: 432-315-0113
Contact email: Zane.Kurtz@cdevinc.com	Incident # (assigned by OCD)
Contact mailing address: 500 W. Illinois Ave, Suite 500, Midland, Texas 79705	

Location of Release Source

Latitude 32.37005 32.37253

Longitude -103.42671 (NAD 83 in decimal degrees to 5 decimal places)

Site Name: Merchant Livestock 24 State Com 2H	Site Type: Oil Production
Date Release Discovered: 8-15-19	API#-30-025-413470(200
······································	

Unit Letter	Section	Township	Range	County
N	28 24	238 225	34E	Lea

Surface Owner: State E Federal Tribal Private (Name: ____

Nature and Volume of Release

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

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 80	Volume Recovered (bbls) 0
	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)
0		

Cause of Release

During produced water transfer activities, a small split in the poly pipe developed. Produced water was released from the poly pipe and ran along the edge of the pad and to the south off the pad.

State of New Mexico Oil Conservation Division

Incident ID	
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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? >25bbls
🛛 Yes 🗌 No	
If YES, was immediate no An email was sent to emm	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? rd_ocd_district1spills@state.nm.us on 8-16-19

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:

Once the release was discovered, the transfer pump was off and any free-standing liquids had been absorbed into the ground.

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: 8/21/19_____

email: __Jamon.hohensee@cdevinc.com_____

Telephone: 432-315-0132_____

OCD Only

Received by:

Date: _____

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State of New Mexico Oil Conservation Division

Incident ID	
District RP	······································
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.

Field data
 Data table of soil contaminant concentration data

Depth to water determination

Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release

Boring or excavation logs

Photographs including date and GIS information

] Topographic/Aerial maps

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Laboratory data including chain of custody

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

Form C-141 Page 4	State of New Mexico Oil Conservation Division	Incident ID District RP Facility ID Application ID
regulations all operators and public health or the enviro failed to adequately invest addition, OCD acceptance and/or regulations.	igate and remediate contamination that pose a threat to groun of a C-141 report does not relieve the operator of responsibil	nd perform corrective actions for releases which may endanger not relieve the operator of liability should their operations have ndwater, surface water, human health or the environment. In lity for compliance with any other federal, state, or local laws
1		
Signature:	Date:	
email:	Telephor	ne:
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OCD Only		

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State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.		
 Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation poi Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29 Proposed schedule for remediation (note if remediation plan time) 	.12(C)(4) NMAC	
Deferral Requests Only: Each of the following items must be co	onfirmed as part of any request for deferral of remediation.	
Contamination must be in areas immediately under or around p deconstruction.	production equipment where remediation could cause a major facility	
Extents of contamination must be fully delineated.		
Contamination does not cause an imminent risk to human health, the environment, or groundwater.		
rules and regulations all operators are required to report and/or file which may endanger public health or the environment. The accept liability should their operations have failed to adequately investiga surface water, human health or the environment. In addition, OCD responsibility for compliance with any other federal, state, or local	te and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of	
Printed Name:	Title:	
Signature:		
email:	Telephone:	
OCD Only		
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Approved Approved with Attached Conditions of	Approval Denied Deferral Approved	
Signature:	Date:	

Form C-141 Page 6 State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

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

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

Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Title:

Printed Name:

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PRM 1934 553 523

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Page 6	

State of New Mexico Oil Conservation Division

nRM1934	553 44 5
Incident ID	NRM1934553443
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.	
A scaled site and sampling diagram as described in 19.15.29.11 NMAC	
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)	
Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)	
Description of remediation activities	
-	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Printed Name: Squton Hohensec Title: Sr. Environmental Honglyst Signature: Salth Content of Content of Content of the print of the content of the content of the content of the content of the print	
OCD Only Received by: Robert Hamlet Date: 4/16/2021	
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.	
Closure Approved by: <u>Robert Hamlet</u> Date: <u>4/16/2021</u>	
Printed Name: <u>Robert Hamlet</u> Title: <u>Environmental Specialist - Advanced</u>	

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	State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505	CONDITIONS Action 12944
District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462	CONDITIONS OF APPROVAL	

Operator:				OGRID:	Action Number:	Action Type:	
CEN	TENNIAL RESOURCE PRODUCTION	1001 17th Street, Suite 1800	Denver, CO80202	372165	12944	C-141	
OCD Reviewer	Condition						
rhamlet	We have received your closure report and final C-141 for Incident #NRM1934553443 MERCHANT LIVESTOCK 24 STATE COMM 2H, thank you. This closure is approved.						