

# CLOSURE REQUEST AND REMEDIATION SUMMARY REPORT

Centennial Resource Development, Inc.
Merchant Livestock 25 State COM 2H
Lea County, New Mexico
Unit Letter "C", Section 25, Township 22 South, Range 34 East
Latitude 32.369505° North, Longitude 103.426626° West
NMOCD Reference # nRH2003535484

Prepared For:

Centennial Resource Development, Inc.

500 W. Illinois Avenue Suite 500 Midland, Texas 79701

Prepared By:

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

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#### **APPENDICES**

Appendix A – Photographs

Appendix B – Laboratory Analytical Reports

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

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	nRH2003535	484
District RP		
Facility ID		
Application ID		

					otifica ble Part	tion The was	e Merchant Livestock 24 2 incorrect. It should be Merchant 25 2H. The Constant 25 corrected.
Responsible Pa	arty Co	entennial Resour	ces Development		OGRID	372165	105 been corrected.
Contact Name			•		Contact To	Control of the Control	2-701-5672
Contact email	zane.	kurtz@cdevinc.c	om			(assigned by OCD)	
Contact mailin Midland, Texa			ois Ave, Suite 500	),			
			Location	of R	elease S	ource	
Latitude 32.3	6974		(NAD 83 in dec	cimal de	Longitude grees to 5 decim	-103.42675 nal places)	
Site Name: Me	rchant Li	vestock 25State	Com 2H		Site Type	Oil Well and	Tank Battery
Date Release Di	iscovered:	November 16, 2	019		API# (if app	licable): 30-025-	41350
Unit Letter	Section	Township	Range		Coun	tv	
	5	22S	34E	Lea		.,	
Surface Owner:		Federal Tr	Nature and	Vol	ume of F		volumes provided below)
Crude Oil	Viaccial	Volume Release		carculati	ons or specific	Volume Recov	
Produced W	ater	Volume Release	d (bbls) 1040			Volume Recov	vered (bbls) 1000
	Is the concentration of dissolved chloride in produced water >10,000 mg/l?			in the	Yes No		
☐ Condensate		Volume Released (bbls)				Volume Recov	vered (bbls)
☐ Natural Gas		Volume Released (Mcf)  Volume Recovered (Mcf)			vered (Mcf)		
Other (descri	ibe)	Volume/Weight Released (provide units)  Volume/Weight Recovered (provide units)			ht Recovered (provide units)		
		c valve on the wa					p to spill out and fill lined asture area.

# State of New Mexico Oil Conservation Division

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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?  The release was over 25 bbls and the release ran off the pad and into pasture.
⊠ Yes □ No	
If YES, was immediate n	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
	Initial Response
The responsible	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury
The source of the rele	ease has been stopped.
The impacted area ha	is been secured to protect human health and the environment.
Released materials ha	ave been contained via the use of berms or dikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and managed appropriately.
If all the actions described	d above have not been undertaken, explain why:
-	
has begun please attach a	AC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred t area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
regulations all operators are a	mation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger nent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have attended and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name:Zar	ne KurtzSr. Environmental Analyst
Signature:	Date:11-19-2019
email:zane.kurtz@	@cdevinc.com Telephone:432-701-5672
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	he 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 flow watercourse?	ing watercourse or any other significant	☐ Yes ☐ No	
Are the lateral extents of the release within 200 feet of any lakebed, sinkho ordinary high-water mark)?	le, or playa lake (measured from the	☐ Yes ☐ No	
Are the lateral extents of the release within 300 feet of an occupied permar or church?	ent residence, school, hospital, institution,	☐ Yes ☐ No	
Are the lateral extents of the release within 500 horizontal feet of a spring by less than five households for domestic or stock watering purposes?	or a private domestic fresh water well used	Yes No	
Are the lateral extents of the release within 1000 feet of any other fresh wa	ter well or spring?	☐ Yes ☐ No	
Are the lateral extents of the release within incorporated municipal bounda water well field?	ries or within a defined municipal fresh	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 kar-	st 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	n, 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	e 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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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.			
Printed Name:	Title:		
Signature:	Date:		
email:	Telephone:		
OCD Only			
Received by:	Date:		

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### **Remediation Plan**

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

# State of New Mexico Oil Conservation Division

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

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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.

A scaled site and sampling diagram as described in 19.15.29.	11 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate ODe	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and reshuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification to the Coaccordance with 19	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.
OCD Only	
Received by:	Date:
Closure approval by the OCD does not relieve the responsible party remediate contamination that poses a threat to groundwater, surface party of compliance with any other federal, state, or local laws and/	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.
Closure Approved by:	Date:
Printed Name:	Title:

#### 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 25 State COM 2H. The legal description of the Release Site is Unit Letter "C", Section 25, Township 22 South, Range 34 East, in Lea County, New Mexico. The Release Site GPS coordinates are 32.369505° North and 103.426626° West. Please reference Figure 1 for the Site Location Map, Figure 2 for the Site Details Map, Figure 3 for the North Confirmation Soil Sample Location Map, and Figure 4 for the South Confirmation Soil Sample Location Map.

On November 16, 2019, the check valve on the water transfer pump failed causing the transfer pump to release produced water and oil in the lined containment until it overflowed into the adjacent pasture. Approximately three (3) barrels of crude oil and one thousand forty (1,040) barrels of produced water were released with two (2) barrels of crude oil and one thousand (1,000) barrels of produced water recovered, resulting in a net loss of approximately one (1) barrel of crude oil and forty (40) barrels of produced water. On November 19, 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 25 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 25 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.

Based on the size of the excavated area, the excavation was divided into five (5) sections (A through E).

On May 6, 2020, Etech, collected twenty-seven (27) composite confirmation soil samples from the base and sidewalls of the Section A excavated area. 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 for Section A were below laboratory method detection limits and/or applicable NMOCD limits. Please reference Figure 2 for site details and Figure 3 for soil sampling locations.

On May 7, 2020, twenty-seven (27) composite confirmation soil samples were collected from the base and sidewalls of the Section B 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 for Section B were below laboratory method detection limits and/or applicable NMOCD limits with the exception of chloride concentrations for composite sidewall soil sample B-7 WSW @ 5'. Please reference Figure 2 for site details and Figure 3 for soil sampling locations. Based on the analytical results, further excavation was needed for the area represented by composite sidewall soil sample B-7 WSW @ 5'.

On May 7-8, 2020, fifty-one (51) composite confirmation soil samples were collected from the base and sidewalls of the Section C 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 for Section C were below laboratory method detection limits and/or applicable NMOCD limits. Please reference Figure 2 for site details and Figure 4 for soil sampling locations.

On May 8, 2020, thirty-six (36) composite confirmation soil samples were collected from the base and sidewalls of the Section D 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 for Section D were below laboratory method detection limits and/or applicable NMOCD limits. Please reference Figure 2 for site details and Figure 4 for soil sampling locations.

On May 29, 2020, twelve (12) composite confirmation soil samples were collected from the base and sidewalls of the Section E 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 for Section E were below laboratory method detection limits and/or applicable NMOCD limits with the exception of chloride concentrations for composite bottom hole soil samples E-4 BH @ 1' and E-5 BH @ 1' and composite sidewall soil sample E NSW-2 @ 2'. Please reference Figure 2 for site details and Figure 3 for soil sampling locations. Based on analytical results, further excavation was needed for the areas represented by composite bottom hole soil samples E-4 BH @ 1' and E-5 BH @ 1' and composite sidewall soil sample E NSW-2 @ 2'.

On May 29, 2020, one (1) additional composite sidewall confirmation soil sample (A-1 NSW @ 3.5') was collected from the north sidewall of the Section A excavated area. The soil sample was submitted to PBELAB and analyzed for BTEX, TPH, and chloride concentrations. A review of laboratory analytical results indicated chloride concentrations for A-1 NSW @ 3.5' were above NMOCD limits. Please reference Figure 2 for site details and Figure 3 for soil sampling locations. Based on analytical results, further excavation was needed for the area represented by composite sidewall soil sample A-1 NSW @ 3.5'.

On May 29, 2020, one (1) additional composite sidewall confirmation soil sample (B-1 NSW @ 2.5') was collected from the north sidewall of the Section B excavated area. The soil sample was submitted to PBELAB and analyzed for BTEX, TPH, and chloride concentrations. A review of laboratory analytical results indicated chloride concentrations for B-1 NSW @ 2.5' were above NMOCD limits. Please reference Figure 2 for site details and Figure 3 for soil sampling locations. Based on analytical results, further excavation was needed for the area represented by composite sidewall soil sample B-1 NSW @ 2.5'.

On May 29, 2020, one (1) additional composite bottom hole confirmation soil sample (C BH-18 @ 7') and five (5) additional composite sidewall confirmation soil samples (C-6 NSW @ 5', C-17 SSW @ 5', C-18 ESW @ 5', C-18 SSW @ 5, and C-18 NSW @ 5') were collected from the Section C excavated area. The 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 for Section C were below laboratory method detection limits and/or applicable NMOCD limits. Please reference Figure 2 for site details and Figure 3 and Figure 4 for soil sampling locations.

On May 29, 2020, one (1) additional composite confirmation soil sample (D-12 SSW @ 3') was collected from the north sidewall of the Section D excavated area. The soil sample was submitted to PBELAB and analyzed for BTEX, TPH, and chloride concentrations. A review of laboratory analytical results indicated D-12 SSW @ 3' was below laboratory method detection limits and/or applicable NMOCD limits. Please reference Figure 2 for site details and Figure 4 for soil sampling locations.

On June 3, 2020, after additional excavation activities, one (1) composite sidewall confirmation soil sample (B-7 WSW @ 5') was collected from the Section B excavated area and submitted to PBELAB for chloride analysis. Please reference Figure 2 for site details and Figure 3 for soil sampling locations. A review of laboratory analytical results indicated additional excavation activities were necessary in the area represented by soil sample B-7 WSW @ 5'.

On June 16, 2020, after additional excavation activities, one (1) composite sidewall confirmation soil sample (B-1 NSW @ 2.5') was collected from the Section B excavated area and submitted to PBELAB for chloride analysis. Please reference Figure 2 for site details and Figure 3 for soil sampling locations. A review of laboratory analytical results indicated additional excavation activities were necessary in the area represented by soil sample B-1 NSW @ 2.5'.

On June 22, 2020, after additional excavation activities, two (2) composite bottom hole confirmation soil samples (E-4 BH @ 3' and E-5 BH @ 4') and one (1) composite sidewall confirmation soil sample (E NSW-2 @ 2') were collected from the Section E excavated area and

submitted to PBELAB for chloride analysis. Please reference Figure 2 for site details and Figure 3 for soil sampling locations. A review of laboratory analytical results indicated all collected soil samples for Section E were below applicable NMOCD limits.

On June 23, 2020, after additional excavation activities, one (1) composite sidewall confirmation soil sample (A-1 NSW @ 3.5') was collected from the Section A excavated area and submitted to PBELAB for chloride 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.

On June 23, 2020, after additional excavation activities, one (1) composite sidewall confirmation soil sample (B-7 WSW @ 5') was collected from the Section B excavated area and submitted to PBELAB for chloride 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.

On July 27, 2020, after additional excavation activities, one (1) composite sidewall confirmation soil sample (B-1 NSW @ 2.5') was collected from the Section B excavated area and submitted to PBELAB for chloride 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.

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 6-7 and August 10, 2020, Etech, on behalf of Centennial, transported seven hundred fifty-six (756) 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 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, November 2, and November 3, 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 25 State COM 2H Release Site (NMOCD Reference # 1RP-5791).

#### **LIMITATIONS**

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

This report has been prepared for the benefit of Centennial Resource Development, Inc. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Etech and/or Centennial Resource Development, Inc.

#### **DISTRIBUTION**

Copy 1: New Mexico Energy, Minerals and Natural Resources Department

Oil Conservation Division, District 1

1625 N. French Drive Hobbs, New Mexico 88210

Copy 2: Jamon Hohensee

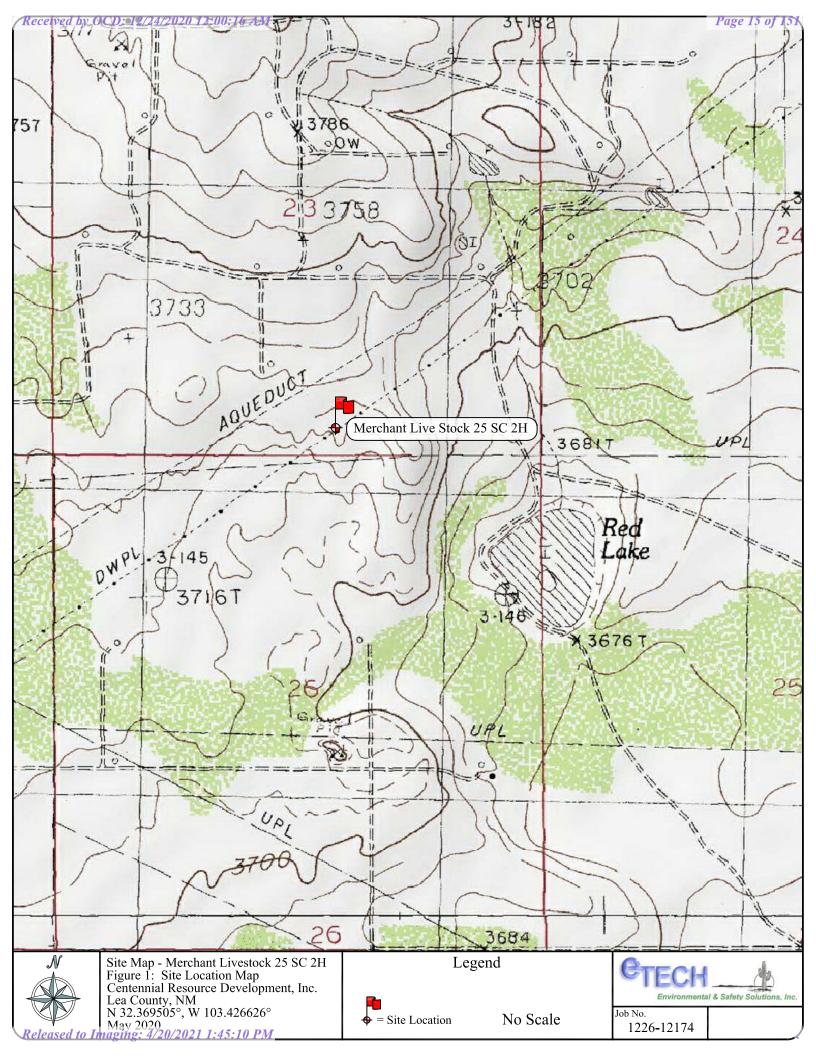
Centennial Resource Development, Inc.

500 W. Illinois, Suite 500 Midland, Texas 79701

Copy 3: Etech Environmental & Safety Solutions, Inc.

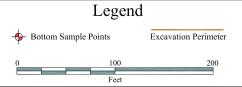
P.O. Box 62228

Midland, Texas 79711





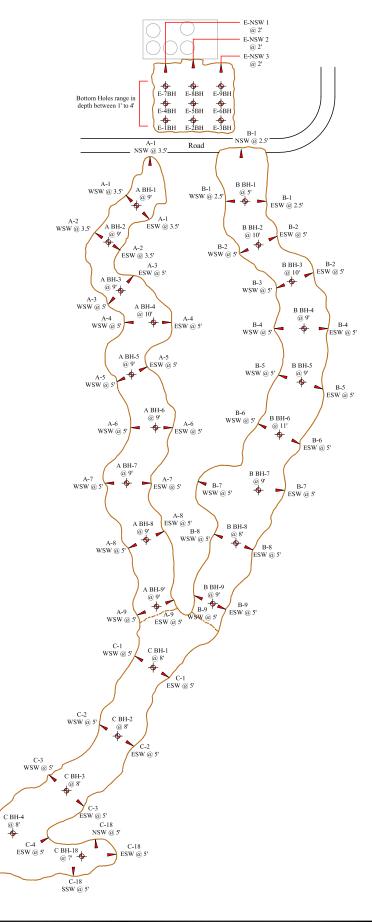
Site Map - Merchant Livestock 25 SC 2H
Figure 2: Site Detail Map
Centennial Resources Development, Inc.
Lea County, NM
N 32.369505°, W 103.426626°
May 2020
Released to Imaging: 4/20/2021 1:45:10 PM

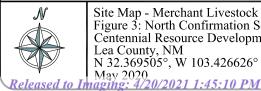




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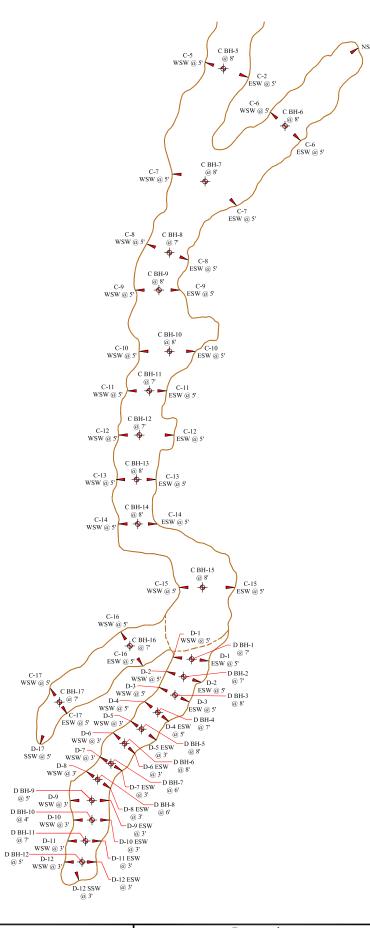


Site Map - Merchant Livestock 25 SC 2H Figure 3: North Confirmation Soil Sample Map Centennial Resource Development, Inc Lea County, NM N 32.369505°, W 103.426626°

Legend Excavation Perimeter Bottom Sample Points Side Wall Sample Points 100 200 Feet



1226-12174





Site Map - Merchant Livestock 25 SC 2H Figure 4: South Confirmation Soil Sample Map Centennial Resource Development, Inc. Lea County, NM N 32.369505°, W 103.426626°

Lea County, NM N 32.369505°, W 103.426626° May 2020 Released to Imaging: 4/20/2021 1:45:10 PM





Job No. 1226-12174

TABLE 1

#### CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

#### CENTENNIAL RESOURCE DEVELOPMENT, INC.

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### MERCHANT LIVESTOCK 25 SC 2H RELEASE SITE LEA COUNTY, NEW MEXICO

	~	ETHYL TOTAL TOTAL THE CDO THE DDO THE ODD TOTAL THE									E 300.0		
SAMPLE LOCATION	SAMPLE DATE	BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C <sub>6</sub> -C <sub>12</sub>	TPH DRO C <sub>12</sub> -C <sub>28</sub>	TPH ORO C <sub>28</sub> -C <sub>35</sub>	TOTAL TPH C <sub>6</sub> -C <sub>35</sub>	CHLORID
Limits		10 mg/Kg						50 mg/Kg				100 mg/Kg	600 mg/Kg
					Section A	Excavation (	Confirmation S	ample Results					
A BH-1 @ 9'	5/6/2020	< 0.00108	< 0.00108	< 0.00108	< 0.00215	< 0.00108	< 0.00215	< 0.00215	<26.9	34.2	29.8	64.0	263
A-1 ESW @ 3.5'	5/6/2020	< 0.00105	< 0.00105	< 0.00105	< 0.00211	< 0.00105	< 0.00211	< 0.00211	<26.3	<26.3	<26.3	<26.3	47.3
A-1 WSW @ 3.5'	5/6/2020	< 0.00108	< 0.00108	< 0.00108	0.00480	0.00177	0.00657	0.00657	<26.9	<26.9	<26.9	<26.9	70.1
A-1 NSW @ 3.5'	5/29/2020	< 0.00102	< 0.00102	0.00118	0.00615	0.00385	0.01000	0.01118	<25.5	<25.5	<25.5	<25.5	4,570
A-1 NSW @ 3.5'	6/23/2020	-	-	-	-	-	-	-	-	-	-	-	35.1
A BH-2 @ 9'	5/6/2020	< 0.00106	< 0.00106	0.00473	0.02541	0.00867	0.03408	0.03881	<26.6	<26.6	<26.6	<26.6	26.8
A-2 ESW @ 3.5'	5/6/2020	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00200	< 0.00200	<25.0	<25.0	<25.0	<25.0	13.9
A-2 WSW @ 3.5'	5/6/2020	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00200	< 0.00200	<25.0	<25.0	<25.0	<25.0	31.9
A BH-3 @ 9'	5/6/2020	< 0.00100	< 0.00100	< 0.00100	0.00312	0.00106	0.00418	0.00418	<25.0	<25.0	<25.0	<25.0	64.3
A-3 ESW @ 5'	5/6/2020	< 0.00106	< 0.00106	< 0.00106	0.00636	0.00211	0.00847	0.00847	<26.6	<26.6	<26.6	<26.6	9.98
A-3 WSW @ 5'	5/6/2020	<0.00104	< 0.00104	< 0.00104	< 0.00208	< 0.00104	< 0.00208	< 0.00208	<26.0	<26.0	<26.0	<26.0	301
A BH-4 @ 10'	5/6/2020	< 0.00103	< 0.00103	< 0.00103	0.00626	0.00209	0.00835	0.00835	<25.8	<25.8	<25.8	<25.8	9.76
A-4 WSW @ 5'	5/6/2020	< 0.00101	< 0.00101	< 0.00101	< 0.00202	< 0.00101	< 0.00202	< 0.00202	<25.3	<25.3	<25.3	<25.3	169
A-4 ESW @ 5'	5/6/2020	<0.00109	< 0.00109	< 0.00109	< 0.00217	<0.00109	< 0.00217	< 0.00217	<27.2	<27.2	<27.2	<27.2	560
A BH-5 @ 9'	5/6/2020	< 0.00103	< 0.00103	< 0.00103	0.00323	0.00107	0.00430	0.00430	<25.8	<25.8	<25.8	<25.8	7.72
A-5 ESW @ 5'	5/6/2020	< 0.00105	< 0.00105	< 0.00105	0.00335	0.00109	0.00444	0.00444	<26.3	<26.3	<26.3	<26.3	130
A-5 WSW @ 5'	5/6/2020	< 0.00103	< 0.00103	< 0.00103	< 0.00206	< 0.00103	< 0.00206	< 0.00206	<25.8	<25.8	<25.8	<25.8	45.3
A BH-6 @ 9'	5/6/2020	< 0.00105	< 0.00105	0.00105	0.00672	0.00236	0.00908	0.01013	<26.3	<26.3	<26.3	<26.3	74.8
A-6 ESW @ 5'	5/6/2020	< 0.00104	< 0.00104	< 0.00104	0.00214	< 0.00104	0.00214	0.00214	<26.0	<26.0	<26.0	<26.0	100
A-6 WSW @ 5'	5/6/2020	<0.00104	< 0.00104	< 0.00104	< 0.00208	< 0.00104	< 0.00208	< 0.00208	<26.0	<26.0	<26.0	<26.0	570
A BH-7 @ 9'	5/6/2020	< 0.00104	< 0.00104	< 0.00104	0.00547	0.00183	0.00730	0.00730	<26.0	<26.0	<26.0	<26.0	220
A-7 ESW @ 5'	5/6/2020	< 0.00105	< 0.00105	< 0.00105	0.00262	< 0.00105	0.00262	0.00262	<26.3	<26.3	<26.3	<26.3	112
A-7 WSW @ 5'	5/6/2020	< 0.00106	< 0.00106	< 0.00106	< 0.00213	< 0.00106	< 0.00213	< 0.00213	<26.6	<26.6	<26.6	<26.6	35.9
A BH-8 @ 9'	5/6/2020	< 0.00102	< 0.00102	< 0.00102	0.00406	0.00136	0.00542	0.00542	<25.5	<25.5	<25.5	<25.5	26.3
A-8 ESW @ 5'	5/6/2020	< 0.00105	< 0.00105	< 0.00105	< 0.00211	< 0.00105	< 0.00211	< 0.00211	<26.3	<26.3	<26.3	<26.3	21.4
A-8 WSW @ 5'	5/6/2020	<0.00108	< 0.00108	< 0.00108	< 0.00215	< 0.00108	< 0.00215	< 0.00215	<26.9	<26.9	<26.9	<26.9	28.9
A BH-9 @ 9'	5/6/2020	< 0.00105	< 0.00105	< 0.00105	< 0.00211	< 0.00105	< 0.00211	< 0.00211	<26.3	<26.3	<26.3	<26.3	39.4

#### CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

#### CENTENNIAL RESOURCE DEVELOPMENT, INC.

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### MERCHANT LIVESTOCK 25 SC 2H RELEASE SITE LEA COUNTY, NEW MEXICO

	0.13			METHODS:	SW 846-8021I	3			N	METHOD: SW 80	15M		E 300.0
SAMPLE LOCATION	SAMPLE DATE	BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C <sub>6</sub> -C <sub>12</sub>	TPH DRO C <sub>12</sub> -C <sub>28</sub>	TPH ORO C <sub>28</sub> -C <sub>35</sub>	TOTAL TPH C <sub>6</sub> -C <sub>35</sub>	CHLORIDE
Limits		10 mg/Kg						50 mg/Kg				100 mg/Kg	600 mg/Kg
A-9 ESW @ 5'	5/6/2020	< 0.00106	< 0.00106	< 0.00106	< 0.00213	< 0.00106	< 0.00213	< 0.00213	<26.6	<26.6	<26.6	<26.6	191
A-9 WSW @ 5'	5/6/2020	< 0.00108	< 0.00108	< 0.00108	< 0.00215	< 0.00108	< 0.00215	< 0.00215	<26.9	<26.9	<26.9	<26.9	127
					Section B	Excavation (	Confirmation S	ample Results	;				
B BH-1 @ 5'	5/7/2020	< 0.00104	< 0.00104	< 0.00104	< 0.00208	< 0.00104	< 0.00208	< 0.00208	<26.0	<26.0	<26.0	<26.0	504
B-1 WSW @ 2.5'	5/7/2020	< 0.00104	< 0.00104	< 0.00104	0.00268	< 0.00104	0.00268	0.00268	<26.0	<26.0	<26.0	<26.0	212
B-1 ESW @ 2.5'	5/7/2020	< 0.00105	< 0.00105	< 0.00105	0.00311	< 0.00105	0.00311	0.00311	<26.3	47.7	41.8	89.5	48.2
B-1 NSW @ 2.5'	5/29/2020	< 0.00101	< 0.00101	0.00240	0.0185	0.00739	0.02589	0.02829	<25.3	<25.3	<25.3	<25.3	21,000
B-1 NSW @ 2.5'	6/16/2020	-	-	-	-	-	-	1	-	-	-	-	1,060
B-1 NSW @ 2.5'	7/27/2020	-	-	-	-	-	-	-	-	-	-	-	192
B BH-2 @ 10'	5/7/2020	< 0.00106	< 0.00106	< 0.00106	0.00280	< 0.00106	0.00280	0.00280	<26.6	50.5	48.6	99.1	474
B-2 WSW @ 5'	5/7/2020	< 0.00103	< 0.00103	< 0.00103	0.00363	0.00109	0.00472	0.00472	<25.8	81.7	<25.8	81.7	28.2
B-2 ESW @ 5'	5/7/2020	< 0.00104	< 0.00104	< 0.00104	< 0.00208	< 0.00104	< 0.00208	< 0.00208	<26.0	<26.0	<26.0	<26.0	20.7
B BH-3 @ 10'	5/7/2020	< 0.00104	< 0.00104	< 0.00104	0.00459	0.00152	0.00611	0.00611	<26.0	<26.0	<26.0	<26.0	421
B-3 WSW @ 5'	5/7/2020	< 0.00104	< 0.00104	< 0.00104	< 0.00208	< 0.00104	< 0.00208	< 0.00208	<26.0	<26.0	<26.0	<26.0	231
B-3 ESW @ 5'	5/7/2020	< 0.00106	< 0.00106	< 0.00106	< 0.00213	< 0.00106	< 0.00213	< 0.00213	<26.6	<26.6	<26.6	<26.6	33.7
B BH-4 @ 9'	5/7/2020	< 0.00110	< 0.00110	< 0.00110	< 0.00220	< 0.00110	< 0.00220	< 0.00220	<27.5	<27.5	<27.5	<27.5	216
B-4 WSW @ 5'	5/7/2020	< 0.00105	< 0.00105	< 0.00105	< 0.00211	< 0.00105	< 0.00211	< 0.00211	<26.3	<26.3	<26.3	<26.3	126
B-4 ESW @ 5'	5/7/2020	< 0.00105	< 0.00105	< 0.00105	< 0.00211	< 0.00105	< 0.00211	< 0.00211	<26.3	<26.3	<26.3	<26.3	65.1
B BH-5 @ 9'	5/7/2020	< 0.00102	< 0.00102	0.00239	0.0146	0.00454	0.01914	0.02153	<25.5	<25.5	<25.5	<25.5	361
B-5 WSW @ 5'	5/7/2020	< 0.00112	< 0.00112	< 0.00112	< 0.00225	< 0.00112	< 0.00225	< 0.00225	<28.1	<28.1	<28.1	<28.1	400
B-5 ESW @ 5'	5/7/2020	< 0.00102	< 0.00102	< 0.00102	< 0.00204	< 0.00102	< 0.00204	< 0.00204	<25.5	<25.5	<25.5	<25.5	109
B BH-6 @ 11'	5/7/2020	< 0.00103	< 0.00103	< 0.00103	< 0.00206	< 0.00103	< 0.00206	< 0.00206	<25.8	<25.8	<25.8	<25.8	432
B-6 WSW @ 5'	5/7/2020	< 0.00109	< 0.00109	< 0.00109	< 0.00217	< 0.00109	< 0.00217	< 0.00217	<27.2	<27.2	<27.2	<27.2	406
B-6 ESW @ 5'	5/7/2020	< 0.00105	< 0.00105	< 0.00105	< 0.00211	< 0.00105	< 0.00211	< 0.00211	<26.3	<26.3	<26.3	<26.3	460
B BH-7 @ 9'	5/7/2020	< 0.00105	< 0.00105	< 0.00105	< 0.00211	< 0.00105	< 0.00211	< 0.00211	<26.3	<26.3	<26.3	<26.3	450
B-7 WSW @ 5'	5/7/2020	< 0.00109	< 0.00109	< 0.00109	< 0.00217	< 0.00109	< 0.00217	< 0.00217	<27.2	<27.2	<27.2	<27.2	721
B-7 WSW @ 5'	6/3/2020	-	-	-	-	-	-	-	-	-	-	-	654
B-7 WSW @ 5'	6/23/2020	-	-	-	-	-	-	-	-	-	-	-	329
B-7 ESW @ 5'	5/7/2020	< 0.00105	< 0.00105	< 0.00105	< 0.00211	< 0.00105	< 0.00211	< 0.00211	<26.3	<26.3	<26.3	<26.3	193

#### CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

#### CENTENNIAL RESOURCE DEVELOPMENT, INC.

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### MERCHANT LIVESTOCK 25 SC 2H RELEASE SITE LEA COUNTY, NEW MEXICO

				METHODS:	SW 846-80211		s are reported in m		N	METHOD: SW 80	15M		E 300.0
SAMPLE LOCATION	SAMPLE DATE	BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C <sub>6</sub> -C <sub>12</sub>	TPH DRO C <sub>12</sub> -C <sub>28</sub>	TPH ORO C <sub>28</sub> -C <sub>35</sub>	TOTAL TPH C <sub>6</sub> -C <sub>35</sub>	CHLORIDE
Limits		10 mg/Kg						50 mg/Kg				100 mg/Kg	600 mg/Kg
В ВН-8 @ 8'	5/7/2020	< 0.00101	< 0.00101	< 0.00101	< 0.00202	< 0.00101	< 0.00202	< 0.00202	<25.3	<25.3	<25.3	<25.3	524
B-8 ESW @ 5'	5/7/2020	< 0.00108	< 0.00108	< 0.00108	< 0.00215	< 0.00108	< 0.00215	< 0.00215	<26.9	<26.9	<26.9	<26.9	64.1
B-8 WSW @ 5'	5/7/2020	< 0.00105	< 0.00105	< 0.00105	< 0.00211	< 0.00105	< 0.00211	< 0.00211	<26.3	<26.3	<26.3	<26.3	242
В ВН-9 @ 9'	5/7/2020	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00200	< 0.00200	<25.0	<25.0	<25.0	<25.0	172
B-9 ESW @ 5'	5/7/2020	< 0.00105	< 0.00105	< 0.00105	< 0.00211	< 0.00105	< 0.00211	< 0.00211	<26.3	<26.3	<26.3	<26.3	584
B-9 WSW @ 5'	5/7/2020	< 0.00109	< 0.00103	< 0.00103	0.00272	< 0.00103	0.00272	0.00272	<25.8	<25.8	<25.8	<25.8	337
		1	ı				Confirmation S				ı	_	I
C BH-1 @ 8'	5/7/2020	< 0.00101	< 0.00101	< 0.00101	< 0.00202	< 0.00101	< 0.00202	< 0.00202	<25.3	<25.3	<25.3	<25.3	79.7
C-1 ESW @ 5'	5/7/2020	< 0.00103	< 0.00103	< 0.00103	< 0.00206	< 0.00103	< 0.00206	< 0.00206	<25.8	<25.8	<25.8	<25.8	30.9
C-1 WSW @ 5'	5/7/2020	<0.00104	< 0.00104	< 0.00104	< 0.00208	< 0.00104	< 0.00208	< 0.00208	<26.0	<26.0	<26.0	<26.0	114
C BH-2 @ 8'	5/7/2020	< 0.00101	< 0.00101	0.00283	0.0160	0.00588	0.02188	0.02471	<25.3	<25.3	<25.3	<25.3	187
C-2 WSW @ 5'	5/7/2020	< 0.00103	< 0.00103	< 0.00103	< 0.00206	< 0.00103	< 0.00206	< 0.00206	<25.8	<25.8	<25.8	<25.8	238
C-2 ESW @ 5'	5/7/2020	< 0.00102	< 0.00102	< 0.00102	< 0.00204	< 0.00102	< 0.00204	< 0.00204	<25.5	<25.5	<25.5	<25.5	44.6
C BH-3 @ 8'	5/7/2020	< 0.00101	< 0.00101	< 0.00101	< 0.00202	< 0.00101	< 0.00202	< 0.00202	<25.3	<25.3	<25.3	<25.3	41.3
C-3 ESW @ 5'	5/7/2020	< 0.00106	< 0.00106	< 0.00106	< 0.00213	< 0.00106	< 0.00213	< 0.00213	<26.6	<26.6	<26.6	<26.6	57.0
C-3 WSW @ 5'	5/7/2020	< 0.00103	< 0.00103	< 0.00103	< 0.00206	< 0.00103	< 0.00206	< 0.00206	<25.8	<25.8	<25.8	<25.8	19.9
C BH-4 @ 8'	5/7/2020	< 0.00102	< 0.00102	< 0.00102	< 0.00204	< 0.00102	< 0.00204	< 0.00204	<25.5	<25.5	<25.5	<25.5	31.1
C-4 ESW @ 5'	5/7/2020	< 0.00105	< 0.00105	< 0.00105	< 0.00211	< 0.00105	< 0.00211	< 0.00211	<26.3	<26.3	<26.3	<26.3	51.6
C-4 WSW @ 5'	5/7/2020	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00200	< 0.00200	<25.0	<25.0	<25.0	<25.0	12.6
C BH-5 @ 8'	5/7/2020	< 0.00103	< 0.00103	< 0.00103	< 0.00206	< 0.00103	< 0.00206	< 0.00206	<25.8	<25.8	<25.8	<25.8	30.7
C-5 ESW @ 5'	5/7/2020	< 0.00104	< 0.00104	< 0.00104	< 0.00208	< 0.00104	< 0.00208	< 0.00208	<26.0	<26.0	<26.0	<26.0	24.9
C-5 WSW @ 5'	5/7/2020	< 0.00103	< 0.00103	< 0.00103	< 0.00206	< 0.00103	< 0.00206	< 0.00206	<25.8	<25.8	<25.8	<25.8	18.7
C BH-6 @ 8'	5/7/2020	< 0.00101	< 0.00101	< 0.00101	< 0.00202	< 0.00101	< 0.00202	< 0.00202	<25.3	<25.3	<25.3	<25.3	3.98
C-6 ESW @ 5'	5/7/2020	< 0.00105	< 0.00105	< 0.00105	< 0.00211	< 0.00105	< 0.00211	< 0.00211	<26.3	<26.3	<26.3	<26.3	17.1
C-6 WSW @ 5'	5/7/2020	< 0.00102	< 0.00102	< 0.00102	< 0.00204	< 0.00102	< 0.00204	< 0.00204	<25.5	<25.5	<25.5	<25.5	8.56
C-6 NSW @ 5'	5/29/2020	< 0.00100	< 0.00100	0.00229	0.0147	0.00529	0.01999	0.02228	<25.0	<25.0	<25.0	<25.0	73.3
C BH-7 @ 8'	5/7/2020	< 0.00102	< 0.00102	< 0.00102	< 0.00204	< 0.00102	< 0.00204	< 0.00204	<25.5	<25.5	<25.5	<25.5	21.6
C-7 ESW @ 5'	5/7/2020	< 0.00105	< 0.00105	< 0.00211	< 0.00105	< 0.00211	< 0.00211	< 0.00211	<26.3	<26.3	<26.3	<26.3	3.67

#### CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

#### CENTENNIAL RESOURCE DEVELOPMENT, INC.

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### MERCHANT LIVESTOCK 25 SC 2H RELEASE SITE LEA COUNTY, NEW MEXICO

	CAMPLE			METHODS:	SW 846-80211	3			N	AETHOD: SW 80	15M		E 300.0
SAMPLE LOCATION	SAMPLE DATE	BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C <sub>6</sub> -C <sub>12</sub>	TPH DRO C <sub>12</sub> -C <sub>28</sub>	TPH ORO C <sub>28</sub> -C <sub>35</sub>	TOTAL TPH C <sub>6</sub> -C <sub>35</sub>	CHLORIDE
Limits		10 mg/Kg						50 mg/Kg				100 mg/Kg	600 mg/Kg
C-7 WSW @ 5'	5/7/2020	< 0.00101	< 0.00101	< 0.00101	< 0.00202	< 0.00101	< 0.00202	< 0.00202	<25.3	<25.3	<25.3	<25.3	35.4
C BH-8 @ 7'	5/7/2020	< 0.00101	< 0.00101	< 0.00101	0.00219	< 0.00101	0.00219	0.00219	<25.3	<25.3	<25.3	<25.3	24.9
C-8 ESW @ 5'	5/7/2020	< 0.00104	< 0.00104	< 0.00104	< 0.00208	< 0.00104	< 0.00208	< 0.00208	<26.0	<26.0	<26.0	<26.0	16.1
C-8 WSW @ 5'	5/7/2020	< 0.00105	< 0.00105	< 0.00211	< 0.00105	< 0.00211	< 0.00211	<0.00211	<26.3	<26.3	<26.3	<26.3	44.7
C BH-9 @ 8'	5/7/2020	< 0.00108	< 0.00108	< 0.00108	< 0.00215	< 0.00108	< 0.00215	< 0.00215	<26.9	<26.9	<26.9	<26.9	31.9
C-9 ESW @ 5'	5/7/2020	< 0.00106	< 0.00106	< 0.00106	< 0.00213	< 0.00106	< 0.00213	< 0.00213	<26.6	<26.6	<26.6	<26.6	3.97
C-9 WSW @ 5'	5/7/2020	< 0.00106	< 0.00106	< 0.00106	< 0.00213	< 0.00106	< 0.00213	< 0.00213	<26.6	<26.6	<26.6	<26.6	3.38
C BH-10 @ 8'	5/7/2020	< 0.00108	< 0.00108	< 0.00108	< 0.00215	< 0.00108	< 0.00215	< 0.00215	<26.9	<26.9	<26.9	<26.9	4.73
C-10 WSW @ 5'	5/7/2020	< 0.00105	< 0.00105	< 0.00211	< 0.00105	< 0.00211	< 0.00211	< 0.00211	<26.3	<26.3	<26.3	<26.3	3.43
C-10 ESW @ 5'	5/7/2020	< 0.00105	< 0.00105	< 0.00211	< 0.00105	< 0.00211	< 0.00211	< 0.00211	<26.3	<26.3	<26.3	<26.3	2.45
C BH-11 @ 7'	5/7/2020	< 0.00108	< 0.00108	< 0.00108	< 0.00215	< 0.00108	< 0.00215	< 0.00215	<26.9	<26.9	<26.9	<26.9	4.46
C-11 ESW @ 5'	5/7/2020	< 0.00105	< 0.00105	< 0.00211	< 0.00105	< 0.00211	< 0.00211	< 0.00211	<26.3	<26.3	<26.3	<26.3	4.95
C-11 WSW @ 5'	5/7/2020	< 0.00104	< 0.00104	< 0.00104	< 0.00208	< 0.00104	< 0.00208	< 0.00208	<26.0	<26.0	<26.0	<26.0	125
C BH-12 @ 7'	5/7/2020	< 0.00108	< 0.00108	< 0.00108	< 0.00215	< 0.00108	< 0.00215	< 0.00215	<26.9	<26.9	<26.9	<26.9	12.7
C-12 ESW @ 5'	5/7/2020	< 0.00105	< 0.00105	< 0.00211	< 0.00105	< 0.00211	< 0.00211	< 0.00211	<26.3	<26.3	<26.3	<26.3	4.56
C-12 WSW @ 5'	5/7/2020	< 0.00104	< 0.00104	< 0.00104	< 0.00208	< 0.00104	< 0.00208	< 0.00208	<26.0	<26.0	<26.0	<26.0	9.18
C BH-13 @ 8'	5/7/2020	< 0.00103	< 0.00103	< 0.00103	< 0.00206	< 0.00103	< 0.00206	< 0.00206	<25.8	<25.8	<25.8	<25.8	12.9
C-13 ESW @ 5'	5/7/2020	< 0.00102	< 0.00102	< 0.00102	< 0.00204	< 0.00102	< 0.00204	< 0.00204	<25.5	<25.5	<25.5	<25.5	2.08
C-13 WSW @ 5'	5/7/2020	< 0.00105	< 0.00105	< 0.00211	< 0.00105	< 0.00211	< 0.00211	< 0.00211	<26.3	<26.3	<26.3	<26.3	6.22
C BH-14 @ 8'	5/7/2020	< 0.00104	< 0.00104	< 0.00104	< 0.00208	< 0.00104	< 0.00208	< 0.00208	<26.0	<26.0	<26.0	<26.0	11.9
C-14 ESW @ 5'	5/7/2020	< 0.00102	< 0.00102	< 0.00102	< 0.00204	< 0.00102	< 0.00204	< 0.00204	<25.5	<25.5	<25.5	<25.5	6.33
C-14 WSW @ 5'	5/7/2020	< 0.00105	< 0.00105	< 0.00211	< 0.00211	< 0.00105	< 0.00211	< 0.00211	<26.3	<26.3	<26.3	<26.3	139
C BH-15 @ 8'	5/7/2020	< 0.00100	< 0.00100	< 0.00100	< 0.00200	< 0.00100	< 0.00200	< 0.00200	<25.0	<25.0	<25.0	<25.0	13.9
C-15 ESW @ 5'	5/7/2020	< 0.00105	< 0.00105	< 0.00105	< 0.00211	< 0.00105	< 0.00211	< 0.00211	<26.3	<26.3	<26.3	<26.3	38.4
C-15 WSW @ 5'	5/7/2020	< 0.00105	< 0.00105	< 0.00105	< 0.00211	< 0.00105	< 0.00211	< 0.00211	<26.3	<26.3	<26.3	<26.3	118
C BH-16 @ 7'	5/8/2020	< 0.00104	< 0.00104	< 0.00104	< 0.00208	< 0.00104	< 0.00208	< 0.00208	<26.0	<26.0	<26.0	<26.0	5.28
C-16 ESW @ 5'	5/8/2020	< 0.00120	< 0.00120	< 0.00120	< 0.00241	< 0.00120	< 0.00241	< 0.00241	<30.1	<30.1	<30.1	<30.1	6.67

#### CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

#### CENTENNIAL RESOURCE DEVELOPMENT, INC.

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### MERCHANT LIVESTOCK 25 SC 2H RELEASE SITE LEA COUNTY, NEW MEXICO

				METHODS:	SW 846-80211	3			N	METHOD: SW 80	15M		E 300.0
SAMPLE LOCATION	SAMPLE DATE	BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C <sub>6</sub> -C <sub>12</sub>	TPH DRO C <sub>12</sub> -C <sub>28</sub>	TPH ORO C <sub>28</sub> -C <sub>35</sub>	TOTAL TPH C <sub>6</sub> -C <sub>35</sub>	CHLORIDE
Limits		10 mg/Kg						50 mg/Kg				100 mg/Kg	600 mg/Kg
C-16 WSW @ 5'	5/8/2020	< 0.00116	< 0.00116	< 0.00116	< 0.00233	< 0.00116	< 0.00233	< 0.00233	<29.1	<29.1	<29.1	<29.1	2.81
C BH-17 @ 7'	5/8/2020	< 0.00103	< 0.00103	< 0.00103	< 0.00206	< 0.00103	< 0.00206	< 0.00206	<25.8	<25.8	<25.8	<25.8	4.63
C-17 WSW @ 5'	5/8/2020	< 0.00125	< 0.00125	< 0.00125	< 0.00250	< 0.00125	< 0.00250	< 0.00250	<31.2	<31.2	<31.2	<31.2	25.4
C-17 ESW @ 5'	5/8/2020	< 0.00128	< 0.00128	< 0.00128	< 0.00256	< 0.00128	< 0.00256	< 0.00256	<32.1	<32.1	<32.1	<32.1	25.2
C-17 SSW @ 5'	5/29/2020	< 0.00100	< 0.00100	0.0187	0.105	0.0472	0.1522	0.1709	<25.0	<25.0	<25.0	<25.0	5.49
C BH-18 @ 7'	5/29/2020	< 0.00100	< 0.00100	0.00735	0.0455	0.0184	0.0639	0.07125	<25.0	<25.0	<25.0	<25.0	3.38
C-18 ESW @ 5'	5/29/2020	< 0.00100	< 0.00100	0.0170	0.0966	0.0429	0.1395	0.1565	<25.0	<25.0	<25.0	<25.0	2.65
C-18 SSW @ 5'	5/29/2020	< 0.00100	< 0.00100	0.0199	0.108	0.0479	0.1559	0.1758	<25.0	<25.0	<25.0	<25.0	5.57
C-18 NSW @ 5'	5/29/2020	0.00790	0.0150	0.00972	0.0544	0.0209	0.0753	0.10792	<25.0	<25.0	<25.0	<25.0	6.24
					Section D	Excavation (	Confirmation S	ample Results					
D BH-1 @ 7'	5/8/2020	< 0.00104	< 0.00104	< 0.00104	< 0.00208	< 0.00104	< 0.00208	< 0.00208	<26.0	<26.0	<26.0	<26.0	3.92
D-1 ESW @ 5'	5/8/2020	< 0.00110	< 0.00110	< 0.00110	< 0.00220	< 0.00110	< 0.00220	< 0.00220	<27.5	<27.5	<27.5	<27.5	13.6
D-1 WSW @ 5'	5/8/2020	<0.00108	< 0.00108	< 0.00108	< 0.00215	< 0.00108	< 0.00215	< 0.00215	<26.9	<26.9	<26.9	<26.9	9.72
D BH-2 @ 7'	5/8/2020	< 0.00104	< 0.00104	< 0.00104	< 0.00208	< 0.00104	< 0.00208	< 0.00208	<26.0	<26.0	<26.0	<26.0	6.41
D-2 ESW @ 5'	5/8/2020	< 0.00115	< 0.00115	< 0.00115	< 0.00230	< 0.00115	< 0.00230	< 0.00230	<28.7	<28.7	<28.7	<28.7	15.9
D-2 WSW @ 5'	5/8/2020	< 0.00106	< 0.00106	< 0.00106	< 0.00213	< 0.00106	< 0.00213	< 0.00213	<26.6	<26.6	<26.6	<26.6	13.0
D BH-3 @ 8'	5/8/2020	< 0.00110	< 0.00110	< 0.00110	< 0.00220	< 0.00110	< 0.00220	< 0.00220	<27.5	<27.5	<27.5	<27.5	7.12
D-3 WSW @ 5'	5/8/2020	< 0.00104	< 0.00104	< 0.00104	< 0.00208	< 0.00104	< 0.00208	< 0.00208	<26.0	<26.0	<26.0	<26.0	21.7
D-3 ESW @ 5'	5/8/2020	< 0.00127	< 0.00127	< 0.00127	< 0.00253	< 0.00127	< 0.00253	< 0.00253	<31.6	<31.6	<31.6	<31.6	3.59
D BH-4 @ 7'	5/8/2020	< 0.00110	< 0.00110	< 0.00110	< 0.00220	< 0.00110	< 0.00220	< 0.00220	<27.5	<27.5	<27.5	<27.5	3.02
D-4 ESW @ 5'	5/8/2020	< 0.00137	< 0.00137	< 0.00137	< 0.00274	< 0.00137	< 0.00274	< 0.00274	<34.2	<34.2	<34.2	<34.2	11.1
D-4 WSW @ 5'	5/8/2020	< 0.00139	< 0.00139	< 0.00139	< 0.00278	< 0.00139	< 0.00278	< 0.00278	<34.7	<34.7	<34.7	<34.7	15.1
D BH-5 @ 8'	5/8/2020	< 0.00103	< 0.00103	< 0.00103	< 0.00206	< 0.00103	< 0.00206	< 0.00206	<25.8	<25.8	<25.8	<25.8	4.18
D-5 ESW @ 3'	5/8/2020	< 0.00101	< 0.00101	< 0.00101	< 0.00202	< 0.00101	< 0.00202	< 0.00202	<25.3	<25.3	<25.3	<25.3	4.98
D-5 WSW @ 3'	5/8/2020	< 0.00130	< 0.00130	< 0.00130	< 0.00260	< 0.00130	< 0.00260	< 0.00260	<32.5	<32.5	<32.5	<32.5	19.3
D BH-6 @ 8'	5/8/2020	< 0.00115	< 0.00115	< 0.00115	< 0.00230	< 0.00115	< 0.00230	< 0.00230	<28.7	<28.7	<28.7	<28.7	6.38
D-6 ESW @ 3'	5/8/2020	< 0.00106	< 0.00106	< 0.00106	< 0.00213	< 0.00106	< 0.00213	< 0.00213	<26.6	<26.6	<26.6	<26.6	16.5
D-6 WSW @ 3'	5/8/2020	< 0.00112	< 0.00112	< 0.00112	< 0.00225	< 0.00112	< 0.00225	< 0.00225	<28.1	85.2	<28.1	85.2	4.00

#### CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

#### CENTENNIAL RESOURCE DEVELOPMENT, INC.

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### MERCHANT LIVESTOCK 25 SC 2H RELEASE SITE LEA COUNTY, NEW MEXICO

	CAMPIE			METHODS:	SW 846-8021F	3			1	METHOD: SW 80	15M		E 300.0
SAMPLE LOCATION	SAMPLE DATE	BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C <sub>6</sub> -C <sub>12</sub>	TPH DRO C <sub>12</sub> -C <sub>28</sub>	TPH ORO C <sub>28</sub> -C <sub>35</sub>	TOTAL TPH C <sub>6</sub> -C <sub>35</sub>	CHLORIDE
Limits		10 mg/Kg						50 mg/Kg				100 mg/Kg	600 mg/Kg
D BH-7 @ 6'	5/8/2020	< 0.00112	< 0.00112	< 0.00112	< 0.00225	< 0.00112	< 0.00225	< 0.00225	<28.1	72.7	<28.1	72.7	9.78
D-7 ESW @ 3'	5/8/2020	< 0.00108	< 0.00108	< 0.00108	< 0.00215	< 0.00108	< 0.00215	< 0.00215	<26.9	<26.9	<26.9	<26.9	3.13
D-7 WSW @ 3'	5/8/2020	< 0.00110	< 0.00110	< 0.00110	< 0.00220	< 0.00110	< 0.00220	< 0.00220	<27.5	<27.5	<27.5	<27.5	7.99
D BH-8 @ 6'	5/8/2020	< 0.00102	< 0.00102	< 0.00102	< 0.00204	< 0.00102	< 0.00204	< 0.00204	<25.5	<25.5	<25.5	<25.5	19.3
D-8 ESW @ 3'	5/8/2020	< 0.00109	< 0.00109	< 0.00109	< 0.00217	< 0.00109	< 0.00217	< 0.00217	<27.2	<27.2	<27.2	<27.2	5.92
D-8 WSW @ 3'	5/8/2020	< 0.00108	< 0.00108	< 0.00108	< 0.00215	< 0.00108	< 0.00215	< 0.00215	<26.9	<26.9	<26.9	<26.9	3.91
D BH-9 @ 5'	5/8/2020	< 0.00110	< 0.00110	< 0.00110	< 0.00220	< 0.00110	< 0.00220	< 0.00220	<27.5	<27.5	<27.5	<27.5	9.13
D-9 ESW @ 3'	5/8/2020	< 0.00105	< 0.00105	< 0.00105	< 0.00211	< 0.00105	< 0.00211	< 0.00211	<26.3	<26.3	<26.3	<26.3	8.20
D-9 WSW @ 3'	5/8/2020	< 0.00104	< 0.00104	< 0.00104	< 0.00208	< 0.00104	< 0.00208	< 0.00208	<26.0	<26.0	<26.0	<26.0	3.45
D BH-10 @ 4'	5/8/2020	< 0.00108	< 0.00108	< 0.00108	< 0.00215	< 0.00108	< 0.00215	< 0.00215	<26.9	<26.9	<26.9	<26.9	3.99
D-10 WSW @ 3'	5/8/2020	< 0.00104	< 0.00104	< 0.00104	< 0.00208	< 0.00104	< 0.00208	< 0.00208	<26.0	<26.0	<26.0	<26.0	2.73
D-10 ESW @ 3'	5/8/2020	< 0.00104	< 0.00104	< 0.00104	< 0.00208	< 0.00104	< 0.00208	< 0.00208	<26.0	<26.0	<26.0	<26.0	9.83
D BH-11 @ 7'	5/8/2020	< 0.00108	< 0.00108	< 0.00108	< 0.00215	< 0.00108	< 0.00215	< 0.00215	<26.9	<26.9	<26.9	<26.9	4.84
D-11 ESW @ 3'	5/8/2020	< 0.00106	< 0.00106	< 0.00106	< 0.00213	< 0.00106	< 0.00213	< 0.00213	<26.6	<26.6	<26.6	<26.6	4.26
D-11 WSW @ 3'	5/8/2020	< 0.00106	< 0.00106	< 0.00106	< 0.00213	< 0.00106	< 0.00213	< 0.00213	<26.6	<26.6	<26.6	<26.6	5.07
D BH-12 @ 5'	5/8/2020	< 0.00105	< 0.00105	< 0.00105	< 0.00211	< 0.00105	< 0.00211	< 0.00211	<26.3	<26.3	<26.3	<26.3	4.35
D-12 ESW @ 3'	5/8/2020	< 0.00106	< 0.00106	< 0.00106	< 0.00213	< 0.00106	< 0.00213	< 0.00213	<26.6	<26.6	<26.6	<26.6	3.33
D-12 WSW @ 3'	5/8/2020	< 0.00106	< 0.00106	< 0.00106	< 0.00213	< 0.00106	< 0.00213	< 0.00213	<26.6	<26.6	<26.6	<26.6	2.94
D-12 SSW @ 3'	5/29/2020	< 0.00101	< 0.00101	0.00498	0.0315	0.0118	0.0433	0.04828	<25.3	<25.3	<25.3	<25.3	9.47
	5/20/2020	.0.00100	-0.00100	0.00620	1		Confirmation S	-		25.0	25.0	25.0	5.00
E-1 BH @ 1'	5/29/2020	<0.00100	<0.00100	0.00638	0.0413	0.0175	0.0588	0.06518	<25.0	<25.0	<25.0	<25.0	5.00
E-2 BH @ 1'	5/29/2020	< 0.00100	< 0.00100	0.00346	0.0216	0.00957	0.03117	0.03463	<25.0	<25.0	<25.0	<25.0	8.33
E-3 BH @ 1'	5/29/2020	< 0.00100	< 0.00100	0.00202	0.0141	0.00983	0.02393	0.02595	<25.0	<25.0	<25.0	<25.0	48.5
E-4 BH @ 1'	5/29/2020	< 0.00101	< 0.00101	< 0.00101	<0.00202	0.00268	0.00268	0.00268	<25.3	<25.3	<25.3	<25.3	1,730
E-4 BH @ 3'	6/22/2020	-	-	-	-	-	-	-	-	-	-	-	145
E-5 BH @ 1'	5/29/2020	< 0.00103	< 0.00103	0.00138	0.00897	0.00548	0.01445	0.01583	<25.8	<25.8	<25.8	<25.8	4,980
E-5 BH @ 4'	6/22/2020	-	-		-	-	-	-	1	-	-	-	62.9

#### CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

#### CENTENNIAL RESOURCE DEVELOPMENT, INC.

### MERCHANT LIVESTOCK 25 SC 2H RELEASE SITE LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/Kg

	CAMPLE			METHODS:	SW 846-8021I	3			N	METHOD: SW 80	15M		E 300.0
SAMPLE LOCATION	SAMPLE DATE	BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C <sub>6</sub> -C <sub>12</sub>	$\begin{array}{cc} \text{TPH} & \text{DRO} \\ \text{C}_{12}\text{-}\text{C}_{28} \end{array}$	TPH ORO C <sub>28</sub> -C <sub>35</sub>	TOTAL TPH C <sub>6</sub> -C <sub>35</sub>	CHLORIDE
Limits		10 mg/Kg						50 mg/Kg				100 mg/Kg	600 mg/Kg
E-6 BH @ 1'	5/29/2020	< 0.00100	< 0.00100	0.00383	0.0262	0.0132	0.0394	0.04323	<25.0	<25.0	<25.0	<25.0	512
E-7 BH @ 1'	5/29/2020	< 0.00100	< 0.00100	0.00344	0.0259	0.0128	0.0387	0.04214	<25.0	<25.0	<25.0	<25.0	9.72
E-8 BH @ 1'	5/29/2020	< 0.00102	< 0.00102	< 0.00102	0.00473	0.00338	0.00811	0.00811	<25.5	<25.5	<25.5	<25.5	17.2
E-9 BH @ 1'	5/29/2020	< 0.00100	< 0.00500	< 0.00500	0.00602	0.00221	0.00823	0.00823	<25.0	<25.0	<25.0	<25.0	317
E NSW-1 @ 2'	5/29/2020	< 0.00100	< 0.00500	0.00887	0.0570	0.0252	0.0822	0.09107	<25.0	<25.0	<25.0	<25.0	135
E NSW-2 @ 2'	5/29/2020	< 0.00104	< 0.00521	< 0.00521	< 0.00521	0.00189	0.00189	0.00189	<26.0	<26.0	<26.0	<26.0	11,500
E NSW-2 @ 2'	6/22/2020	-	-	-	-	-	1	1	-	-	-	-	352
E NSW-3 @ 2'	5/29/2020	< 0.00101	< 0.00505	< 0.00505	0.00998	0.00491	0.01489	0.01489	<25.3	<25.3	<25.3	<25.3	26.7

Highlighted Yellow and Bold indicates Analyte Above NMOCD Regulatory Limit

Project Name: Merchant Livestock 25 SC 2H

Project No: 12174

### Photo No:

**Direction Taken:** 

Southeast

#### Description:

View of Section A Excavation Area.



### Photo No:

2.

#### **Direction Taken:**

Southeast

#### Description:

View of Section B Excavation Area.



Project Name: Merchant Livestock 25 SC 2H

Project No: 12174





#### **Direction Taken:**

Southeast

#### Description:

View of Section D Excavation Area.



**Project Name:** Merchant Livestock 25 SC 2H **Project No:** 12174

# Photo No: 5. **Direction Taken:** East Description: View of Section E Excavation Area.



6.

#### **Direction Taken:**

West

#### Description:

View of Section E Backfilled Area.



**Project Name:** Merchant Livestock 25 SC 2H **Project No:** 12174

Photo No: **7**.

**Direction Taken:** 

North

Description:

View of Section D Backfilled Area.



Photo No:

8.

Direction Taken:

South

Description:

View of Section C Backfilled Area.



SC 2H Photographic Documentation

**Project Name:** Merchant Livestock 25 SC 2H **Project No:** 12174

Photo No: 9.

**Direction Taken:** 

West

Description:

View of Section A & B Backfilled Area.



### 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: Merchant Livestock 25 SC 2H Project Number: CDEVID\_11162019

Location: Lea County, NM

Lab Order Number: 0E12010



**Current Certification** 

Report Date: 09/01/20

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H 13000 West County Road 100 Project Number: CDEVID\_11162019

Odessa TX, 79765 Project Manager: Matt Green Fax: (432) 563-2213

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A BH-1 @ 9'	0E12010-01	Soil	05/06/20 09:50	05-12-2020 15:28
A-1 ESW @ 3.5'	0E12010-02	Soil	05/06/20 10:00	05-12-2020 15:28
A-1 WSW @ 3.5'	0E12010-03	Soil	05/06/20 10:05	05-12-2020 15:28
A BH-2 @ 9'	0E12010-04	Soil	05/06/20 10:20	05-12-2020 15:28
A-2 ESW @ 3.5'	0E12010-05	Soil	05/06/20 10:30	05-12-2020 15:28
A-2 WSW @ 3.5'	0E12010-06	Soil	05/06/20 10:35	05-12-2020 15:28
A BH-3 @ 9'	0E12010-07	Soil	05/06/20 10:45	05-12-2020 15:28
A-3 ESW @ 5'	0E12010-08	Soil	05/06/20 10:50	05-12-2020 15:28
A-3 WSW @ 5'	0E12010-09	Soil	05/06/20 11:50	05-12-2020 15:28
A BH-4 @ 10'	0E12010-10	Soil	05/06/20 12:00	05-12-2020 15:28
A-4 WSW @ 5'	0E12010-11	Soil	05/06/20 12:10	05-12-2020 15:28
A-4 ESW @ 5'	0E12010-12	Soil	05/06/20 12:20	05-12-2020 15:28
A BH-5 @ 9'	0E12010-13	Soil	05/06/20 12:30	05-12-2020 15:28
A-5 ESW @ 5'	0E12010-14	Soil	05/06/20 12:40	05-12-2020 15:28
A-5 WSW @ 5'	0E12010-15	Soil	05/06/20 12:50	05-12-2020 15:28
A BH-6 @ 9'	0E12010-16	Soil	05/06/20 13:00	05-12-2020 15:28
A-6 ESW @ 5'	0E12010-17	Soil	05/06/20 13:10	05-12-2020 15:28
A-6 WSW @ 5'	0E12010-18	Soil	05/06/20 13:20	05-12-2020 15:28
A BH-7 @ 9'	0E12010-19	Soil	05/06/20 13:30	05-12-2020 15:28
A-7 ESW @ 5'	0E12010-20	Soil	05/06/20 13:40	05-12-2020 15:28
A-7 WSW @ 5'	0E12010-21	Soil	05/06/20 13:50	05-12-2020 15:28
A BH-8 @ 9'	0E12010-22	Soil	05/06/20 14:00	05-12-2020 15:28
A-8 ESW @ 5'	0E12010-23	Soil	05/06/20 14:10	05-12-2020 15:28
A-8 WSW @ 5'	0E12010-24	Soil	05/06/20 14:20	05-12-2020 15:28
A BH-9 @ 9'	0E12010-25	Soil	05/06/20 14:30	05-12-2020 15:28
A-9 ESW @ 5'	0E12010-26	Soil	05/06/20 14:40	05-12-2020 15:28
A-9 WSW @ 5'	0E12010-27	Soil	05/06/20 14:50	05-12-2020 15:28

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

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### A BH-1 @ 9' 0E12010-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permian	Basin Er	nvironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00108 1	ng/kg dry	1	P0E1301	05/13/20 09:17	05/14/20 05:08	EPA 8021B	
Toluene	ND	0.00108 1	ng/kg dry	1	P0E1301	05/13/20 09:17	05/14/20 05:08	EPA 8021B	
Ethylbenzene	ND	0.00108 1	ng/kg dry	1	P0E1301	05/13/20 09:17	05/14/20 05:08	EPA 8021B	
Xylene (p/m)	ND	0.00215 1	ng/kg dry	1	P0E1301	05/13/20 09:17	05/14/20 05:08	EPA 8021B	
Xylene (o)	ND	0.00108 1	ng/kg dry	1	P0E1301	05/13/20 09:17	05/14/20 05:08	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		91.6 %	75-1	25	P0E1301	05/13/20 09:17	05/14/20 05:08	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.5 %	75-1	25	P0E1301	05/13/20 09:17	05/14/20 05:08	EPA 8021B	
<b>General Chemistry Parameters</b>	s by EPA / St	andard Me	thods						
Chloride	263	1.08 1	ng/kg dry	1	P0E1316	05/13/20 16:19	05/13/20 22:05	EPA 300.0	
% Moisture	7.0	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by	EPA Metho	d 8015N	1					
C6-C12	ND	26.9 1	ng/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 14:59	TPH 8015M	
>C12-C28	34.2	26.9 1	ng/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 14:59	TPH 8015M	
>C28-C35	29.8	26.9 1	ng/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 14:59	TPH 8015M	
Surrogate: 1-Chlorooctane		101 %	70-1	30	P0E1304	05/13/20 11:08	05/13/20 14:59	TPH 8015M	
Surrogate: o-Terphenyl		111 %	70-1	30	P0E1304	05/13/20 11:08	05/13/20 14:59	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	64.0	26.9 1	ng/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 14:59	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### A-1 ESW @ 3.5' 0E12010-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permia	n Basin Eı	nvironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 13:48	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 13:48	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 13:48	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 13:48	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 13:48	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.4 %	75-	125	P0E1301	05/13/20 09:17	05/13/20 13:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.4 %	75-	125	P0E1301	05/13/20 09:17	05/13/20 13:48	EPA 8021B	
General Chemistry Parameters	by EPA / St	andard M	ethods						
Chloride	47.3	1.05	mg/kg dry	1	P0E1316	05/13/20 16:19	05/13/20 22:52	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by	EPA Meth	od 8015	M					
C6-C12	ND	26.3	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 15:21	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 15:21	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 15:21	TPH 8015M	
Surrogate: 1-Chlorooctane		101 %	70-	130	P0E1304	05/13/20 11:08	05/13/20 15:21	TPH 8015M	
Surrogate: o-Terphenyl		112 %	70-	130	P0E1304	05/13/20 11:08	05/13/20 15:21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 15:21	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

## A-1 WSW @ 3.5' 0E12010-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permian	Basin E	nvironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00108 r	ng/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:09	EPA 8021B	
Toluene	ND	0.00108 r	ng/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:09	EPA 8021B	
Ethylbenzene	ND	0.00108 r	ng/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:09	EPA 8021B	
Xylene (p/m)	0.00480	0.00215 r	ng/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:09	EPA 8021B	
Xylene (o)	0.00177	0.00108 r	ng/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:09	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.0 %	75-1	25	P0E1301	05/13/20 09:17	05/13/20 14:09	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		97.6 %	75-1	25	P0E1301	05/13/20 09:17	05/13/20 14:09	EPA 8021B	
General Chemistry Parameter	s by EPA / St	andard Me	thods						
Chloride	70.1	1.08 r	ng/kg dry	1	P0E1316	05/13/20 16:19	05/13/20 23:08	EPA 300.0	
% Moisture	7.0	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbon	s C6-C35 by 1	EPA Metho	d 8015N	1					
C6-C12	ND	26.9 r	ng/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 15:43	TPH 8015M	
>C12-C28	ND	26.9 r	ng/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 15:43	TPH 8015M	
>C28-C35	ND	26.9 r	ng/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 15:43	TPH 8015M	
Surrogate: 1-Chlorooctane		94.8 %	70-1	30	P0E1304	05/13/20 11:08	05/13/20 15:43	TPH 8015M	
Surrogate: o-Terphenyl		103 %	70-1	30	P0E1304	05/13/20 11:08	05/13/20 15:43	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9 r	ng/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 15:43	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### A BH-2 @ 9' 0E12010-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permiar	ı Basin Er	nvironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00106 1	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:29	EPA 8021B	
Toluene	ND	0.00106 1	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:29	EPA 8021B	
Ethylbenzene	0.00473	0.00106 1	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:29	EPA 8021B	
Xylene (p/m)	0.0254	0.00213 1	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:29	EPA 8021B	
Xylene (o)	0.00867	0.00106 1	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:29	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		94.2 %	75-1	'25	P0E1301	05/13/20 09:17	05/13/20 14:29	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.2 %	75-1	25	P0E1301	05/13/20 09:17	05/13/20 14:29	EPA 8021B	
General Chemistry Parameter	rs by EPA / Sta	andard Me	ethods						
Chloride	26.8	1.06	mg/kg dry	1	P0E1316	05/13/20 16:19	05/13/20 23:24	EPA 300.0	
% Moisture	6.0	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbon	ıs C6-C35 by I	EPA Metho	od 8015N	1	-		·	·	
C6-C12	ND	26.6	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 16:05	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 16:05	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 16:05	TPH 8015M	
Surrogate: 1-Chlorooctane		96.3 %	70-1	'30	P0E1304	05/13/20 11:08	05/13/20 16:05	TPH 8015M	
Surrogate: o-Terphenyl		100 %	70-1	'30	P0E1304	05/13/20 11:08	05/13/20 16:05	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 16:05	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### A-2 ESW @ 3.5' 0E12010-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permia	n Basin Er	vironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:50	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:50	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:50	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:50	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 14:50	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.8 %	75-	125	P0E1301	05/13/20 09:17	05/13/20 14:50	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		94.4 %	75-	125	P0E1301	05/13/20 09:17	05/13/20 14:50	EPA 8021B	
General Chemistry Parameters	s by EPA / St	andard M	ethods						
Chloride	13.9	1.00	mg/kg dry	1	P0E1316	05/13/20 16:19	05/13/20 23:39	EPA 300.0	
% Moisture	ND	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by 1	EPA Meth	od 8015	M					
C6-C12	ND	25.0	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 16:26	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 16:26	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 16:26	TPH 8015M	
Surrogate: 1-Chlorooctane		115 %	70-	130	P0E1304	05/13/20 11:08	05/13/20 16:26	TPH 8015M	
Surrogate: o-Terphenyl		127 %	70-	130	P0E1304	05/13/20 11:08	05/13/20 16:26	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 16:26	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

## A-2 WSW @ 3.5' 0E12010-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permia	n Basin En	ivironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 15:51	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 15:51	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 15:51	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 15:51	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 15:51	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.8 %	75-	-125	P0E1301	05/13/20 09:17	05/13/20 15:51	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		95.6 %	75-	-125	P0E1301	05/13/20 09:17	05/13/20 15:51	EPA 8021B	
General Chemistry Parameters	by EPA / St	andard M	ethods						
Chloride	31.9	1.00	mg/kg dry	1	P0E1316	05/13/20 16:19	05/13/20 23:55	EPA 300.0	
% Moisture	ND	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by 1	EPA Meth	od 8015	M					
C6-C12	ND	25.0	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 16:48	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 16:48	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 16:48	TPH 8015M	
Surrogate: 1-Chlorooctane		101 %	70-	-130	P0E1304	05/13/20 11:08	05/13/20 16:48	TPH 8015M	
Surrogate: o-Terphenyl		112 %	70-	-130	P0E1304	05/13/20 11:08	05/13/20 16:48	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	, 1	[CALC]	05/13/20 11:08	05/13/20 16:48	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

A BH-3 @ 9' 0E12010-07 (Soil)

Analyte	Result	Reporting Limit U	nits I	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian I	Basin E	nvironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00100 mg	/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:12	EPA 8021B	
Toluene	ND	0.00100 mg	/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:12	EPA 8021B	
Ethylbenzene	ND	0.00100 mg	/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:12	EPA 8021B	
Xylene (p/m)	0.00312	0.00200 mg	/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:12	EPA 8021B	
Xylene (o)	0.00106	0.00100 mg	/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:12	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.8 %	75-123	5	P0E1301	05/13/20 09:17	05/13/20 16:12	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		96.4 %	75-123	5	P0E1301	05/13/20 09:17	05/13/20 16:12	EPA 8021B	
General Chemistry Parameter Chloride	rs by EPA / Sta	andard Met		1	P0E1316	05/13/20 16:19	05/14/20 00:11	EPA 300.0	
% Moisture	ND	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbon	s C6-C35 by I	EPA Method	8015M						
C6-C12	ND	25.0 mg	/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 17:54	TPH 8015M	
>C12-C28	ND	25.0 mg	/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 17:54	TPH 8015M	
>C28-C35	ND	25.0 mg	/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 17:54	TPH 8015M	
Surrogate: 1-Chlorooctane		99.3 %	70-130	)	P0E1304	05/13/20 11:08	05/13/20 17:54	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-130	)	P0E1304	05/13/20 11:08	05/13/20 17:54	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0 mg	/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 17:54	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### A-3 ESW @ 5' 0E12010-08 (Soil)

Analyte	Result	Reporting Limit	Linita	Dilution	Batch	Prepared	Analyzed	Method	Notes
Analyte	Result	LIIIII	Units	Dilution	Batch	Frepared	Anaryzed	Method	Notes
			Permia	n Basin Er	ivironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00106	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:32	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:32	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:32	EPA 8021B	
Xylene (p/m)	0.00636	0.00213	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:32	EPA 8021B	
Xylene (o)	0.00211	0.00106	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:32	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.9 %	75-	125	P0E1301	05/13/20 09:17	05/13/20 16:32	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		95.3 %	75-	125	P0E1301	05/13/20 09:17	05/13/20 16:32	EPA 8021B	
General Chemistry Parameter	s by EPA / Sta	andard M	ethods						
Chloride	9.98	1.06	mg/kg dry	1	P0E1316	05/13/20 16:19	05/14/20 00:27	EPA 300.0	
% Moisture	6.0	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbon	s C6-C35 by 1	EPA Metho	od 8015	М					
C6-C12	ND	26.6	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 18:15	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 18:15	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 18:15	TPH 8015M	
Surrogate: 1-Chlorooctane		99.0 %	70	130	P0E1304	05/13/20 11:08	05/13/20 18:15	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-	130	P0E1304	05/13/20 11:08	05/13/20 18:15	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 18:15	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### A-3 WSW @ 5' 0E12010-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permia	n Basin Er	ıvironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:53	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:53	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:53	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:53	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 16:53	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.5 %	75-	125	P0E1301	05/13/20 09:17	05/13/20 16:53	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		97.3 %	75-	125	P0E1301	05/13/20 09:17	05/13/20 16:53	EPA 8021B	
General Chemistry Parameters	by EPA / St	andard Mo	ethods						
Chloride	301	1.04	mg/kg dry	1	P0E1316	05/13/20 16:19	05/14/20 00:42	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by 1	EPA Metho	od 8015	M					
C6-C12	ND	26.0	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 18:37	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 18:37	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 18:37	TPH 8015M	
Surrogate: 1-Chlorooctane		102 %	70-	130	P0E1304	05/13/20 11:08	05/13/20 18:37	TPH 8015M	-
Surrogate: o-Terphenyl		111 %	70-	130	P0E1304	05/13/20 11:08	05/13/20 18:37	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 18:37	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### A BH-4 @ 10' 0E12010-10 (Soil)

Analyte	Result	Reporting Limit U	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		I	Permian	Basin Eı	nvironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00103 m	ng/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:13	EPA 8021B	
Toluene	ND	0.00103 m	ng/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:13	EPA 8021B	
Ethylbenzene	ND	0.00103 m	ng/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:13	EPA 8021B	
Xylene (p/m)	0.00626	0.00206 m	ng/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:13	EPA 8021B	
Xylene (o)	0.00209	0.00103 m	ng/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.0 %	75-12	25	P0E1301	05/13/20 09:17	05/13/20 17:13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.6 %	75-12	25	P0E1301	05/13/20 09:17	05/13/20 17:13	EPA 8021B	
General Chemistry Parameter	s by EPA / St	andard Me	thods						
Chloride	9.76	1.03 m	ıg/kg dry	1	P0E1316	05/13/20 16:19	05/14/20 00:58	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbon	s C6-C35 by 1	EPA Metho	d 8015M	[					
C6-C12	ND	25.8 m	ıg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 18:58	TPH 8015M	
>C12-C28	ND	25.8 m	ıg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 18:58	TPH 8015M	
>C28-C35	ND	25.8 m	ıg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 18:58	TPH 8015M	
Surrogate: 1-Chlorooctane		99.5 %	70-1.	30	P0E1304	05/13/20 11:08	05/13/20 18:58	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-1.	30	P0E1304	05/13/20 11:08	05/13/20 18:58	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8 m	ng/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 18:58	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### A-4 WSW @ 5' 0E12010-11 (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	0.00101	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:34	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:34	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:34	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:34	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:34	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.6 %	75-	125	P0E1301	05/13/20 09:17	05/13/20 17:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		94.8 %	75-	125	P0E1301	05/13/20 09:17	05/13/20 17:34	EPA 8021B	
General Chemistry Parameters	by EPA / Sta	andard M	ethods						
Chloride	169	1.01	mg/kg dry	1	P0E1316	05/13/20 16:19	05/14/20 01:46	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by I	EPA Metho	od 8015	M					
C6-C12	ND	25.3	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 19:20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 19:20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 19:20	TPH 8015M	
Surrogate: 1-Chlorooctane		104 %	70-	130	P0E1304	05/13/20 11:08	05/13/20 19:20	TPH 8015M	
Surrogate: o-Terphenyl		114 %	70-	130	P0E1304	05/13/20 11:08	05/13/20 19:20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 19:20	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### A-4 ESW @ 5' 0E12010-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permia	n Basin Er	ıvironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00109	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:54	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:54	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:54	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:54	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 17:54	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.8 %	75-	125	P0E1301	05/13/20 09:17	05/13/20 17:54	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		94.7 %	75-	125	P0E1301	05/13/20 09:17	05/13/20 17:54	EPA 8021B	
General Chemistry Parameters	s by EPA / St	andard M	ethods						
Chloride	560	1.09	mg/kg dry	1	P0E1316	05/13/20 16:19	05/14/20 02:01	EPA 300.0	
% Moisture	8.0	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by 1	EPA Meth	od 8015	M					
C6-C12	ND	27.2	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 19:42	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 19:42	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 19:42	TPH 8015M	
Surrogate: 1-Chlorooctane		101 %	70-	130	P0E1304	05/13/20 11:08	05/13/20 19:42	TPH 8015M	
Surrogate: o-Terphenyl		110 %	70-	130	P0E1304	05/13/20 11:08	05/13/20 19:42	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 19:42	cale	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### A BH-5 @ 9' 0E12010-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permian	Basin E	nvironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00103 r	ng/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:15	EPA 8021B	
Toluene	ND	0.00103 r	ng/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:15	EPA 8021B	
Ethylbenzene	ND	0.00103 r	ng/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:15	EPA 8021B	
Xylene (p/m)	0.00323	0.00206 r	ng/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:15	EPA 8021B	
Xylene (o)	0.00107	0.00103 r	ng/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:15	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		95.3 %	75-1	25	P0E1301	05/13/20 09:17	05/13/20 18:15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		97.5 %	75-1	25	P0E1301	05/13/20 09:17	05/13/20 18:15	EPA 8021B	
General Chemistry Parameter	s by EPA / St	andard Me	thods						
Chloride	7.72	1.03 r	ng/kg dry	1	P0E1316	05/13/20 16:19	05/14/20 02:17	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbon	s C6-C35 by 1	EPA Metho	d 8015N	I					
C6-C12	ND	25.8 r	ng/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 20:03	TPH 8015M	
>C12-C28	ND	25.8 r	ng/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 20:03	TPH 8015M	
>C28-C35	ND	25.8 r	ng/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 20:03	TPH 8015M	
Surrogate: 1-Chlorooctane		98.3 %	70-1	30	P0E1304	05/13/20 11:08	05/13/20 20:03	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-1	30	P0E1304	05/13/20 11:08	05/13/20 20:03	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8 r	ng/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 20:03	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

## A-5 ESW @ 5' 0E12010-14 (Soil)

Analyte	Result	Reporting Limit	Unite	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilialyte	Result	Liiiit	Omis	Dilution	Dateii	Trepared	Anaryzed	Withou	11016
			Permia	n Basin Er	nvironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:35	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:35	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:35	EPA 8021B	
Xylene (p/m)	0.00335	0.00211	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:35	EPA 8021B	
Xylene (o)	0.00109	0.00105	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:35	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.8 %	75-	125	P0E1301	05/13/20 09:17	05/13/20 18:35	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		96.1 %	75-	125	P0E1301	05/13/20 09:17	05/13/20 18:35	EPA 8021B	
General Chemistry Parameter	rs by EPA / St	andard M	ethods						
Chloride	130	1.05	mg/kg dry	1	P0E1316	05/13/20 16:19	05/14/20 02:33	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbon	ıs C6-C35 by 1	EPA Metho	od 80151	М					
C6-C12	ND	26.3	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 20:25	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 20:25	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 20:25	TPH 8015M	
Surrogate: 1-Chlorooctane		103 %	70	130	P0E1304	05/13/20 11:08	05/13/20 20:25	TPH 8015M	
Surrogate: o-Terphenyl		113 %	70-	130	P0E1304	05/13/20 11:08	05/13/20 20:25	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 20:25	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### A-5 WSW @ 5' 0E12010-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permia	n Basin Er	vironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:56	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:56	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:56	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:56	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0E1301	05/13/20 09:17	05/13/20 18:56	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.2 %	75-	125	P0E1301	05/13/20 09:17	05/13/20 18:56	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		94.1 %	75-	125	P0E1301	05/13/20 09:17	05/13/20 18:56	EPA 8021B	
General Chemistry Parameters	s by EPA / St	andard M	ethods						
Chloride	45.3	1.03	mg/kg dry	1	P0E1316	05/13/20 16:19	05/14/20 02:49	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by 1	EPA Metho	od 8015	М					
C6-C12	ND	25.8	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 20:47	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 20:47	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 20:47	TPH 8015M	
Surrogate: 1-Chlorooctane		100 %	70-	130	P0E1304	05/13/20 11:08	05/13/20 20:47	TPH 8015M	-
Surrogate: o-Terphenyl		110 %	70-	130	P0E1304	05/13/20 11:08	05/13/20 20:47	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 20:47	cale	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

A BH-6 @ 9' 0E12010-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permia	n Basin Er	ıvironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 21:40	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 21:40	EPA 8021B	
Ethylbenzene	0.00105	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 21:40	EPA 8021B	
Xylene (p/m)	0.00672	0.00211	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 21:40	EPA 8021B	
Xylene (o)	0.00236	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 21:40	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.2 %	75-	125	P0E1302	05/13/20 11:26	05/13/20 21:40	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		94.8 %	75-	125	P0E1302	05/13/20 11:26	05/13/20 21:40	EPA 8021B	
General Chemistry Parameter	s by EPA / St	andard M	ethods						
Chloride	74.8	10.5	mg/kg dry	10	P0E1316	05/13/20 16:19	05/14/20 03:04	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbon	s C6-C35 by 1	EPA Metho	od 8015	М					
C6-C12	ND	26.3	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 21:08	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 21:08	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0E1304	05/13/20 11:08	05/13/20 21:08	TPH 8015M	
Surrogate: 1-Chlorooctane		95.5 %	70-	130	P0E1304	05/13/20 11:08	05/13/20 21:08	TPH 8015M	
Surrogate: o-Terphenyl		105 %	70-	130	P0E1304	05/13/20 11:08	05/13/20 21:08	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	05/13/20 11:08	05/13/20 21:08	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### A-6 ESW @ 5' 0E12010-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permia	n Basin En	ivironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:01	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:01	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:01	EPA 8021B	
Xylene (p/m)	0.00214	0.00208	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:01	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:01	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.9 %	75-	125	P0E1302	05/13/20 11:26	05/13/20 22:01	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		96.9 %	75-	125	P0E1302	05/13/20 11:26	05/13/20 22:01	EPA 8021B	
General Chemistry Parameter	s by EPA / St	andard Mo	ethods						
Chloride	100	1.04	mg/kg dry	1	P0E1316	05/13/20 16:19	05/14/20 03:52	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbon	s C6-C35 by 1	EPA Metho	od 8015	M					
C6-C12	ND	26.0	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 01:27	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 01:27	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 01:27	TPH 8015M	
Surrogate: 1-Chlorooctane		99.2 %	70-	130	P0E1309	05/13/20 12:22	05/14/20 01:27	TPH 8015M	
Surrogate: o-Terphenyl		113 %	70-	130	P0E1309	05/13/20 12:22	05/14/20 01:27	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	05/13/20 12:22	05/14/20 01:27	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

A-6 WSW @ 5' 0E12010-18 (Soil)

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		]	Permia	n Basin En	ıvironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00104 m	ıg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:22	EPA 8021B	
Toluene	ND	0.00104 m	ıg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:22	EPA 8021B	
Ethylbenzene	ND	0.00104 m	ıg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:22	EPA 8021B	
Xylene (p/m)	ND	0.00208 m	ıg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:22	EPA 8021B	
Xylene (o)	ND	0.00104 m	ıg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:22	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		92.3 %	75-	125	P0E1302	05/13/20 11:26	05/13/20 22:22	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.7 %	75-	125	P0E1302	05/13/20 11:26	05/13/20 22:22	EPA 8021B	
<b>General Chemistry Parameters</b>	s by EPA / St	andard Me	thods						
Chloride	570	1.04 m	ıg/kg dry	1	P0E1316	05/13/20 16:19	05/14/20 04:07	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by	EPA Metho	d 8015	M					
C6-C12	ND	26.0 m	ıg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 01:51	TPH 8015M	
>C12-C28	ND	26.0 m	ıg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 01:51	TPH 8015M	
>C28-C35	ND	26.0 m	ıg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 01:51	TPH 8015M	
Surrogate: 1-Chlorooctane		103 %	70-	130	P0E1309	05/13/20 12:22	05/14/20 01:51	TPH 8015M	
Surrogate: o-Terphenyl		122 %	70-	130	P0E1309	05/13/20 12:22	05/14/20 01:51	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0 m	ng/kg dry	1	[CALC]	05/13/20 12:22	05/14/20 01:51	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### A BH-7 @ 9' 0E12010-19 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		]	Permiar	Basin Er	ivironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00104 n	ng/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:42	EPA 8021B	
Toluene	ND	0.00104 n	ng/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:42	EPA 8021B	
Ethylbenzene	ND	0.00104 n	ng/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:42	EPA 8021B	
Xylene (p/m)	0.00547	0.00208 n	ng/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:42	EPA 8021B	
Xylene (o)	0.00183	0.00104 n	ng/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 22:42	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		95.6 %	75-1	25	P0E1302	05/13/20 11:26	05/13/20 22:42	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		95.4 %	75-1	25	P0E1302	05/13/20 11:26	05/13/20 22:42	EPA 8021B	
General Chemistry Parameter	s by EPA / St	andard Me	thods						
Chloride	220	10.4 n	ng/kg dry	10	P0E1316	05/13/20 16:19	05/14/20 04:23	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0E1402	05/14/20 08:56	05/14/20 08:58	ASTM D2216	
Total Petroleum Hydrocarbon	s C6-C35 by 1	EPA Metho	d 8015N	1					
C6-C12	ND	26.0 n	ng/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 02:14	TPH 8015M	
>C12-C28	ND	26.0 n	ng/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 02:14	TPH 8015M	
>C28-C35	ND	26.0 n	ng/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 02:14	TPH 8015M	
Surrogate: 1-Chlorooctane		106 %	70-1	30	P0E1309	05/13/20 12:22	05/14/20 02:14	TPH 8015M	
Surrogate: o-Terphenyl		125 %	70-1	30	P0E1309	05/13/20 12:22	05/14/20 02:14	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0 n	ng/kg dry	1	[CALC]	05/13/20 12:22	05/14/20 02:14	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

A-7 ESW @ 5' 0E12010-20 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permia	n Basin Eı	nvironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:03	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:03	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:03	EPA 8021B	
Xylene (p/m)	0.00262	0.00211	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:03	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:03	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.7 %	75-	125	P0E1302	05/13/20 11:26	05/13/20 23:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		95.9 %	75-	125	P0E1302	05/13/20 11:26	05/13/20 23:03	EPA 8021B	
General Chemistry Parameter	rs by EPA / St	andard M	ethods						
Chloride	112	1.05	mg/kg dry	1	P0E1316	05/13/20 16:19	05/14/20 04:39	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0E1405	05/14/20 10:08	05/14/20 10:16	ASTM D2216	
Total Petroleum Hydrocarbon	s C6-C35 by	EPA Meth	od 80151	М					
C6-C12	ND	26.3	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 02:37	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 02:37	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 02:37	TPH 8015M	
Surrogate: 1-Chlorooctane		98.7 %	70	130	P0E1309	05/13/20 12:22	05/14/20 02:37	TPH 8015M	
Surrogate: o-Terphenyl		116 %	70-	130	P0E1309	05/13/20 12:22	05/14/20 02:37	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	05/13/20 12:22	05/14/20 02:37	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### A-7 WSW @ 5' 0E12010-21 (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	0.00106 m	ng/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:23	EPA 8021B	
Toluene	ND	0.00106 m	ng/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:23	EPA 8021B	
Ethylbenzene	ND	0.00106 m	ng/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:23	EPA 8021B	
Xylene (p/m)	ND	0.00213 m	ng/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:23	EPA 8021B	
Xylene (o)	ND	0.00106 m	ng/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		94.8 %	75-12	?5	P0E1302	05/13/20 11:26	05/13/20 23:23	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.1 %	75-12	?5	P0E1302	05/13/20 11:26	05/13/20 23:23	EPA 8021B	
General Chemistry Parameters	by EPA / Sta	ındard Me	thods						
Chloride	35.9	1.06 m	ng/kg dry	1	P0E1317	05/13/20 16:21	05/14/20 06:14	EPA 300.0	
% Moisture	6.0	0.1	%	1	P0E1405	05/14/20 10:08	05/14/20 10:16	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by F	EPA Metho	d 8015M	[					
C6-C12	ND	26.6 m	ng/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 03:01	TPH 8015M	
>C12-C28	ND	26.6 m	ng/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 03:01	TPH 8015M	
>C28-C35	ND	26.6 m	ng/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 03:01	TPH 8015M	
Surrogate: 1-Chlorooctane		109 %	70-13	30	P0E1309	05/13/20 12:22	05/14/20 03:01	TPH 8015M	
Surrogate: o-Terphenyl		127 %	70-13	30	P0E1309	05/13/20 12:22	05/14/20 03:01	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6 n	ng/kg dry	1	[CALC]	05/13/20 12:22	05/14/20 03:01	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### A BH-8 @ 9' 0E12010-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permiar	ı Basin Er	ivironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00102 1	ng/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:43	EPA 8021B	
Toluene	ND	0.00102 1	ng/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:43	EPA 8021B	
Ethylbenzene	ND	0.00102 1	ng/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:43	EPA 8021B	
Xylene (p/m)	0.00406	0.00204 1	ng/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:43	EPA 8021B	
Xylene (o)	0.00136	0.00102 1	ng/kg dry	1	P0E1302	05/13/20 11:26	05/13/20 23:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		96.5 %	75-1	125	P0E1302	05/13/20 11:26	05/13/20 23:43	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.9 %	75-1	125	P0E1302	05/13/20 11:26	05/13/20 23:43	EPA 8021B	
General Chemistry Parameter	s by EPA / St	andard Me	thods						
Chloride	26.3	1.02 1	ng/kg dry	1	P0E1317	05/13/20 16:21	05/14/20 07:02	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0E1405	05/14/20 10:08	05/14/20 10:16	ASTM D2216	
Total Petroleum Hydrocarbon	s C6-C35 by 1	EPA Metho	d 8015N	И					
C6-C12	ND	25.5 1	ng/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 03:24	TPH 8015M	
>C12-C28	ND	25.5 1	ng/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 03:24	TPH 8015M	
>C28-C35	ND	25.5 1	ng/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 03:24	TPH 8015M	
Surrogate: 1-Chlorooctane		104 %	70-1	130	P0E1309	05/13/20 12:22	05/14/20 03:24	TPH 8015M	
Surrogate: o-Terphenyl		122 %	70-1	130	P0E1309	05/13/20 12:22	05/14/20 03:24	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5 1	ng/kg dry	1	[CALC]	05/13/20 12:22	05/14/20 03:24	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### A-8 ESW @ 5' 0E12010-23 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permia	n Basin Er	ivironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:03	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:03	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:03	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:03	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		92.9 %	75-	125	P0E1302	05/13/20 11:26	05/14/20 00:03	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.9 %	75-	125	P0E1302	05/13/20 11:26	05/14/20 00:03	EPA 8021B	
General Chemistry Parameters	by EPA / St	andard M	ethods						
Chloride	21.4	1.05	mg/kg dry	1	P0E1317	05/13/20 16:21	05/14/20 07:17	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0E1405	05/14/20 10:08	05/14/20 10:16	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by 1	EPA Metho	od 8015	М					
C6-C12	ND	26.3	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 03:48	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 03:48	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 03:48	TPH 8015M	
Surrogate: 1-Chlorooctane		103 %	70-	130	P0E1309	05/13/20 12:22	05/14/20 03:48	TPH 8015M	-
Surrogate: o-Terphenyl		120 %	70-	130	P0E1309	05/13/20 12:22	05/14/20 03:48	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	05/13/20 12:22	05/14/20 03:48	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### A-8 WSW @ 5' 0E12010-24 (Soil)

Analyte	Result	Limit U	Jnits	Dilution	Batch	Prepared	Analyzed	Method	Note
		F	Permia	n Basin En	vironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00108 m	g/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:24	EPA 8021B	
Toluene	ND	0.00108 m	g/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:24	EPA 8021B	
Ethylbenzene	ND	0.00108 m	g/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:24	EPA 8021B	
Xylene (p/m)	ND	0.00215 m	ıg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:24	EPA 8021B	
Xylene (o)	ND	0.00108 m	ıg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		95.0 %	75-	125	P0E1302	05/13/20 11:26	05/14/20 00:24	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.1 %	75-	125	P0E1302	05/13/20 11:26	05/14/20 00:24	EPA 8021B	
<b>General Chemistry Parameters</b>	s by EPA / St	andard Met	thods						
Chloride	28.9	1.08 m	g/kg dry	1	P0E1317	05/13/20 16:21	05/14/20 07:33	EPA 300.0	
% Moisture	7.0	0.1	%	1	P0E1405	05/14/20 10:08	05/14/20 10:16	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by	EPA Method	d 8015	M					
C6-C12	ND	26.9 m	g/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 04:11	TPH 8015M	
>C12-C28	ND	26.9 m	ıg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 04:11	TPH 8015M	
>C28-C35	ND	26.9 m	g/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 04:11	TPH 8015M	
Surrogate: 1-Chlorooctane		103 %	70-	130	P0E1309	05/13/20 12:22	05/14/20 04:11	TPH 8015M	
Surrogate: o-Terphenyl		124 %	70-	130	P0E1309	05/13/20 12:22	05/14/20 04:11	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9 m	ıg/kg dry	1	[CALC]	05/13/20 12:22	05/14/20 04:11	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### A BH-9 @ 9' 0E12010-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permia	n Basin Er	ıvironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:44	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:44	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:44	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:44	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 00:44	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.8 %	75-	125	P0E1302	05/13/20 11:26	05/14/20 00:44	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		95.4 %	75-	125	P0E1302	05/13/20 11:26	05/14/20 00:44	EPA 8021B	
General Chemistry Parameters	s by EPA / St	andard M	ethods						
Chloride	39.4	1.05	mg/kg dry	1	P0E1317	05/13/20 16:21	05/14/20 07:49	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0E1405	05/14/20 10:08	05/14/20 10:16	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by 1	EPA Metho	od 8015	М					
C6-C12	ND	26.3	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 04:34	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 04:34	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 04:34	TPH 8015M	
Surrogate: 1-Chlorooctane		105 %	70-	130	P0E1309	05/13/20 12:22	05/14/20 04:34	TPH 8015M	-
Surrogate: o-Terphenyl		122 %	70-	130	P0E1309	05/13/20 12:22	05/14/20 04:34	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	05/13/20 12:22	05/14/20 04:34	cale	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

A-9 ESW @ 5' 0E12010-26 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permia	n Basin Eı	nvironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00106	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 01:46	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 01:46	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 01:46	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 01:46	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 01:46	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		95.5 %	75-	125	P0E1302	05/13/20 11:26	05/14/20 01:46	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		93.5 %	75-	125	P0E1302	05/13/20 11:26	05/14/20 01:46	EPA 8021B	
General Chemistry Parameters	by EPA / St	andard Mo	ethods						
Chloride	191	1.06	mg/kg dry	1	P0E1317	05/13/20 16:21	05/14/20 08:05	EPA 300.0	
% Moisture	6.0	0.1	%	1	P0E1405	05/14/20 10:08	05/14/20 10:16	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by	EPA Metho	od 8015	М					
C6-C12	ND	26.6	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 04:58	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 04:58	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 04:58	TPH 8015M	
Surrogate: 1-Chlorooctane		103 %	70-	130	P0E1309	05/13/20 12:22	05/14/20 04:58	TPH 8015M	
Surrogate: o-Terphenyl		119 %	70-	130	P0E1309	05/13/20 12:22	05/14/20 04:58	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	05/13/20 12:22	05/14/20 04:58	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### A-9 WSW @ 5' 0E12010-27 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permian	Basin Er	vironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 02:06	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 02:06	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 02:06	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 02:06	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P0E1302	05/13/20 11:26	05/14/20 02:06	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		96.3 %	75-1	25	P0E1302	05/13/20 11:26	05/14/20 02:06	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.7 %	75-1	25	P0E1302	05/13/20 11:26	05/14/20 02:06	EPA 8021B	
General Chemistry Parameters	by EPA / Sta	andard M	ethods						
Chloride	127	1.08	mg/kg dry	1	P0E1317	05/13/20 16:21	05/14/20 08:21	EPA 300.0	
% Moisture	7.0	0.1	%	1	P0E1405	05/14/20 10:08	05/14/20 10:16	ASTM D2216	
Total Petroleum Hydrocarbons	C6-C35 by I	EPA Meth	od 8015N	1					
C6-C12	ND	26.9	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 06:08	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 06:08	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P0E1309	05/13/20 12:22	05/14/20 06:08	TPH 8015M	
Surrogate: 1-Chlorooctane		102 %	70-1	30	P0E1309	05/13/20 12:22	05/14/20 06:08	TPH 8015M	
Surrogate: o-Terphenyl		116 %	70-1	30	P0E1309	05/13/20 12:22	05/14/20 06:08	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	05/13/20 12:22	05/14/20 06:08	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

Project Number: CDEVID\_11162019

Odessa TX, 79765

13000 West County Road 100

Project Manager: Matt Green

### 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 P0E1301 - General Preparation (GC	<u> </u>									
Blank (P0E1301-BLK1)	,			Prepared &	: Analyzed:	05/13/20				
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		91.6	75-125			
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.5	75-125			
LCS (P0E1301-BS1)				Prepared &	: Analyzed:	05/13/20				
Benzene	0.108	0.00100	mg/kg wet	0.100		108	70-130			
Toluene	0.104	0.00100	"	0.100		104	70-130			
Ethylbenzene	0.105	0.00100	"	0.100		105	70-130			
Xylene (p/m)	0.224	0.00200	"	0.200		112	70-130			
Xylene (o)	0.109	0.00100	"	0.100		109	70-130			
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.6	75-125			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.6	75-125			
LCS Dup (P0E1301-BSD1)				Prepared &	Analyzed:	05/13/20				
Benzene	0.106	0.00100	mg/kg wet	0.100		106	70-130	1.50	20	
Toluene	0.106	0.00100	"	0.100		106	70-130	1.31	20	
Ethylbenzene	0.101	0.00100	"	0.100		101	70-130	3.27	20	
Xylene (p/m)	0.222	0.00200	"	0.200		111	70-130	0.913	20	
Xylene (o)	0.107	0.00100	"	0.100		107	70-130	1.18	20	
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.9	75-125			
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.3	75-125			
Calibration Blank (P0E1301-CCB1)				Prepared &	: Analyzed:	05/13/20				
Benzene	0.00		mg/kg wet							
Toluene	0.420		"							
Ethylbenzene	0.330		"							
Xylene (p/m)	0.480		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.5	75-125			
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.4	75-125			

Permian Basin Environmental Lab, L.P.

Notes

Fax: (432) 563-2213

RPD

Limit

%REC

Limits

RPD

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Spike

Level

Source

Result

%REC

Odessa TX, 79765

Analyte

Project Manager: Matt Green

Reporting

Limit

Result

### BTEX by 8021B - Quality Control Permian Basin Environmental Lab, L.P.

Units

Calibration Blank (P0E1301-CCB2)				Prepared & Anal	yzed: 05/13/20	
Benzene	0.00		mg/kg wet			
Toluene	0.940		"			
Ethylbenzene	0.320		"			
Xylene (p/m)	0.670		"			
Xylene (o)	0.330		"			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120	92.7	75-125
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120	92.4	75-125
Calibration Check (P0E1301-CCV1)				Prepared & Anal	yzed: 05/13/20	
Benzene	0.101	0.00100	mg/kg wet	0.100	101	80-120
Toluene	0.101	0.00100	"	0.100	101	80-120
Ethylbenzene	0.103	0.00100	"	0.100	103	80-120
Xylene (p/m)	0.213	0.00200	"	0.200	106	80-120
Xylene (o)	0.104	0.00100	"	0.100	104	80-120
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120	96.1	75-125
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120	91.9	75-125
Calibration Check (P0E1301-CCV2)				Prepared & Anal	yzed: 05/13/20	
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)	0.204	0.00200	"	0.200	102	80-120
Xylene (o)	0.105	0.00100	"	0.100	105	80-120
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120	91.0	75-125
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120	96.4	75-125

Calibration Check (P0E1301-CCV3)		Prepared & Analyzed: 05/13/20									
Benzene	0.102	0.00100	mg/kg wet	0.100	102 80-120						
Toluene	0.102	0.00100	"	0.100	102 80-120						
Ethylbenzene	0.101	0.00100	"	0.100	101 80-120						
Xylene (p/m)	0.201	0.00200	"	0.200	101 80-120						
Xylene (o)	0.107	0.00100	"	0.100	107 80-120						
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120	97.7 75-125						
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120	90.5 75-125						

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 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 P0E1301 - General Preparation (GC)** 

Matrix Spike (P0E1301-MS1)	Sour	rce: 0E13001	-02	Prepared &	Analyzed:	05/13/20				
Benzene	0.0921	0.00103	mg/kg dry	0.103	ND	89.3	80-120			
Toluene	0.0778	0.00103	"	0.103	ND	75.5	80-120			QM-07
Ethylbenzene	0.0809	0.00103	"	0.103	ND	78.5	80-120			QM-07
Xylene (p/m)	0.139	0.00206	"	0.206	ND	67.6	80-120			QM-07
Xylene (o)	0.0660	0.00103	"	0.103	ND	64.0	80-120			QM-07
Surrogate: 4-Bromofluorobenzene	0.118		"	0.124		95.4	75-125			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.124		97.9	75-125			
Matrix Spike Dup (P0E1301-MSD1)	Sour	rce: 0E13001	-02	Prepared &	Analyzed:	05/13/20				
Danzana	0.0880	0.00102	ma/ka dru	0.102	ND	96.2	90 120	2 56	20	

Matrix Spike Dup (P0E1301-MSD1)	Source: 0E13001-02			Prepared & Analyzed: 05/13/20						
Benzene	0.0889	0.00103	mg/kg dry	0.103	ND	86.2	80-120	3.56	20	
Toluene	0.0794	0.00103	"	0.103	ND	77.0	80-120	1.99	20	QM-07
Ethylbenzene	0.0827	0.00103	"	0.103	ND	80.2	80-120	2.14	20	
Xylene (p/m)	0.142	0.00206	"	0.206	ND	68.8	80-120	1.66	20	QM-07
Xylene (o)	0.0662	0.00103	"	0.103	ND	64.2	80-120	0.265	20	QM-07
Surrogate: 4-Bromofluorobenzene	0.115		"	0.124		93.0	75-125			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.124		97.7	75-125			

**Batch P0E1302 - General Preparation (GC)** 

Blank (P0E1302-BLK1)		Prepared & Analyzed: 05/13/20							
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	90.9	75-125			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120	92.4	75-125			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 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.

Analysta	Dogult	Reporting	Lluito	Spike	Source	0/DEC	%REC	DDD	RPD	Not
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0E1302 - General Preparation (GC)										
LCS (P0E1302-BS1)				Prepared &	: Analyzed:	05/13/20				
Benzene	0.106	0.00100	mg/kg wet	0.100		106	70-130			
Toluene	0.102	0.00100	"	0.100		102	70-130			
Ethylbenzene	0.109	0.00100	"	0.100		109	70-130			
Xylene (p/m)	0.209	0.00200	"	0.200		105	70-130			
Xylene (o)	0.108	0.00100	"	0.100		108	70-130			
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		92.1	75-125			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.6	75-125			
LCS Dup (P0E1302-BSD1)				Prepared &	: Analyzed:	05/13/20				
Benzene	0.104	0.00100	mg/kg wet	0.100		104	70-130	2.12	20	
Toluene	0.102	0.00100	"	0.100		102	70-130	0.0196	20	
Ethylbenzene	0.108	0.00100	"	0.100		108	70-130	1.28	20	
Xylene (p/m)	0.210	0.00200	"	0.200		105	70-130	0.315	20	
Xylene (o)	0.109	0.00100	"	0.100		109	70-130	0.795	20	
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.8	75-125			
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		91.7	75-125			
Calibration Blank (P0E1302-CCB1)				Prepared &	: Analyzed:	05/13/20				
Benzene	0.00		mg/kg wet							
Toluene	0.880		"							
Ethylbenzene	0.340		"							
Xylene (p/m)	0.780		"							
Xylene (o)	0.370		"							
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.8	75-125			
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		91.5	75-125			
Calibration Blank (P0E1302-CCB2)				Prepared: (	05/13/20 Aı	nalyzed: 05	/14/20			
Benzene	0.00		mg/kg wet	-		<del>-</del>				
Toluene	0.810		"							
Ethylbenzene	0.300		"							
Xylene (p/m)	0.700		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		92.0	75-125			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.8	75-125			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 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.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
		- Emin	Omts	Level	resur	7 URLE	Limits	ППЪ	- Emile	110103
Batch P0E1302 - General Preparation (GC	C)									
Calibration Check (P0E1302-CCV1)				Prepared &	Analyzed:	05/13/20				
Benzene	0.102	0.00100	mg/kg wet	0.100		102	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.201	0.00200	"	0.200		101	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		90.5	75-125			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.7	75-125			
Calibration Check (P0E1302-CCV2)				Prepared: (	05/13/20 Ar	nalyzed: 05	/14/20			
Benzene	0.104	0.00100	mg/kg wet	0.100		104	80-120			
Toluene	0.0994	0.00100	"	0.100		99.4	80-120			
Ethylbenzene	0.0988	0.00100	"	0.100		98.8	80-120			
Xylene (p/m)	0.200	0.00200	"	0.200		100	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.1	75-125			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.6	75-125			
Calibration Check (P0E1302-CCV3)				Prepared: (	05/13/20 Ar	nalyzed: 05	/14/20			
Benzene	0.101	0.00100	mg/kg wet	0.100		101	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.100	0.00100	"	0.100		100	80-120			
Xylene (p/m)	0.202	0.00200	"	0.200		101	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		93.9	75-125			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.2	75-125			
Matrix Spike (P0E1302-MS1)	Sou	rce: 0E12010	-16	Prepared: (	05/13/20 Ar	nalyzed: 05	/14/20			
Benzene	0.0732	0.00105	mg/kg dry	0.105	ND	69.5	80-120			QM-0
Toluene	0.0687	0.00105	"	0.105	ND	65.2	80-120			QM-0
Ethylbenzene	0.0830	0.00105	"	0.105	0.00105	77.8	80-120			QM-0
Xylene (p/m)	0.148	0.00211	"	0.211	0.00672	67.1	80-120			QM-0
Xylene (o)	0.0716	0.00105	"	0.105	0.00236	65.8	80-120			QM-0
Surrogate: 4-Bromofluorobenzene	0.126		"	0.126		99.9	75-125			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.126		98.5	75-125			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100 Project Number: CDEVID\_11162019

Odessa TX, 79765 Project Manager: Matt Green

Fax: (432) 563-2213

### 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

Matrix Spike Dup (P0E1302-MSD1)	Sour	Source: 0E12010-16			05/13/20 An	alyzed: 0				
Benzene	0.0718	0.00105	mg/kg dry	0.105	ND	68.2	80-120	1.83	20	QM-07
Toluene	0.0698	0.00105	"	0.105	ND	66.3	80-120	1.57	20	QM-07
Ethylbenzene	0.0842	0.00105	"	0.105	0.00105	79.0	80-120	1.53	20	QM-07
Xylene (p/m)	0.148	0.00211	"	0.211	0.00672	66.9	80-120	0.261	20	QM-07
Xylene (o)	0.0709	0.00105	"	0.105	0.00236	65.1	80-120	0.963	20	QM-07
Surrogate: 1,4-Difluorobenzene	0.124		"	0.126		98.4	75-125			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.126		98.6	75-125			

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100 Project Number: CDEVID\_11162019

Odessa TX, 79765 Project Manager: Matt Green

Fax: (432) 563-2213

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0E1316 - *** DEFAULT PREP ***										
Blank (P0E1316-BLK1)				Prepared &	Analyzed:	05/13/20				
Chloride	ND	0.100	mg/kg wet							
LCS (P0E1316-BS1)				Prepared &	Analyzed:	05/13/20				
Chloride	403	1.00	mg/kg wet	400		101	80-120			
LCS Dup (P0E1316-BSD1)				Prepared &	Analyzed:	05/13/20				
Chloride	407	1.00	mg/kg wet	400		102	80-120	1.04	20	
Calibration Blank (P0E1316-CCB1)				Prepared &	Analyzed:	05/13/20				
Chloride	0.00		mg/kg wet							
Calibration Blank (P0E1316-CCB2)				Prepared: 0	5/13/20 At	nalyzed: 05	/14/20			
Chloride	0.00		mg/kg wet							
Calibration Check (P0E1316-CCV1)				Prepared &	Analyzed:	05/13/20				
Chloride	20.6		mg/kg	20.0		103	0-200			
Calibration Check (P0E1316-CCV2)				Prepared: 0	5/13/20 At	nalyzed: 05	/14/20			
Chloride	20.2		mg/kg	20.0		101	0-200			
Calibration Check (P0E1316-CCV3)				Prepared: 0	5/13/20 At	nalyzed: 05	/14/20			
Chloride	20.6		mg/kg	20.0		103	0-200			
Matrix Spike (P0E1316-MS1)	Sou	ırce: 0E12010	-01	Prepared &	Analyzed:	05/13/20				
Chloride	1320	1.08	mg/kg dry	538	263	197	80-120			QM-0:
Matrix Spike (P0E1316-MS2)	Sou	ırce: 0E12010	-16	Prepared: 0	5/13/20 At	nalyzed: 05	/14/20			
Chloride	1110	10.5	mg/kg dry	1050	74.8	98.1	80-120			

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

		Reporting		Spike	Source		%REC		RPD		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	
Batch P0E1316 - *** DEFAULT PREP ***											
Matrix Spike Dup (P0E1316-MSD1)	Sou	rce: 0E12010	-01	Prepared &	k Analyzed:	: 05/13/20					
Chloride	776	1.08	mg/kg dry	538	263	95.5	80-120	52.1	20	QM-05	
Matrix Spike Dup (P0E1316-MSD2)	Sou	rce: 0E12010	-16	Prepared: (	05/13/20 A	nalyzed: 05	5/14/20				
Chloride	1120	10.5	mg/kg dry	1050	74.8	99.0	80-120	0.871	20		
Batch P0E1317 - *** DEFAULT PREP ***											
Blank (P0E1317-BLK1)				Prepared: (	05/13/20 A	nalyzed: 05	5/14/20				
Chloride	ND	0.100	mg/kg wet								
LCS (P0E1317-BS1)				Prepared: 05/13/20 Analyzed: 05/14/20							
Chloride	405	1.00	mg/kg wet	400		101	80-120				
LCS Dup (P0E1317-BSD1)				Prepared: (	05/13/20 A	nalyzed: 05	5/14/20				
Chloride	404	1.00	mg/kg wet	400		101	80-120	0.124	20		
Calibration Blank (P0E1317-CCB1)				Prepared: (	05/13/20 A	nalyzed: 05	5/14/20				
Chloride	0.00		mg/kg wet								
Calibration Blank (P0E1317-CCB2)				Prepared: (	05/13/20 A	nalyzed: 05	5/14/20				
Chloride	0.00		mg/kg wet								
Calibration Check (P0E1317-CCV1)				Prepared: (	05/13/20 A	nalyzed: 05	5/14/20				
Chloride	20.6		mg/kg	20.0		103	0-200				
Calibration Check (P0E1317-CCV2)				Prepared: (	05/13/20 A	nalyzed: 05	5/14/20				
Chloride	20.7		mg/kg	20.0		103	0-200				

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100 Project Number: CDEVID\_11162019

Odessa TX, 79765 Project Manager: Matt Green

Fax: (432) 563-2213

		Reporting	_	Spike	Source	_	%REC		RPD	_
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0E1317 - *** DEFAULT PREP ***										
Calibration Check (P0E1317-CCV3)				Prepared: (	05/13/20 At	nalyzed: 05	5/14/20			
Chloride	20.3		mg/kg	20.0		102	0-200			
Matrix Spike (P0E1317-MS1)	Sou	rce: 0E12010	-21	Prepared: (	05/13/20 At	nalyzed: 05	5/14/20			
Chloride	551	1.06	mg/kg dry	532	35.9	96.8	80-120			
Matrix Spike (P0E1317-MS2)	Sou	<b>Source: 0E12012-04</b> Prepared: 05/13/20 Analyzed: 05/14/20								
Chloride	1560	10.6	mg/kg dry	1060	474	102	80-120			
Matrix Spike Dup (P0E1317-MSD1)	Sou	rce: 0E12010	-21	Prepared: (	Prepared: 05/13/20 Analyzed: 05/14/20 20.0 102 0-200  Prepared: 05/13/20 Analyzed: 05/14/20 532 35.9 96.8 80-120  Prepared: 05/13/20 Analyzed: 05/14/20					
Chloride	551	1.06	mg/kg dry	532	35.9	96.9	80-120	0.0695	20	
Matrix Spike Dup (P0E1317-MSD2)	Sou	rce: 0E12012	-04	Prepared: (	05/13/20 At	nalyzed: 05	5/14/20			
Chloride	1510	10.6	mg/kg dry	1060	474	97.1	80-120	3.51	20	
Batch P0E1402 - *** DEFAULT PREP ***										
Blank (P0E1402-BLK1)				Prepared &	Analyzed:	05/14/20				
% Moisture	ND	0.1	%							
Duplicate (P0E1402-DUP1)	Sou	rce: 0E12010	-19	Prepared &	Analyzed:	05/14/20				
% Moisture	4.0	0.1	%		4.0			0.00	20	
Batch P0E1405 - *** DEFAULT PREP ***										
Blank (P0E1405-BLK1)				Prepared &	Analyzed:	05/14/20				
% Moisture	ND	0.1	%							

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

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13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0E1405 - *** DEFAULT PREP ***										
Duplicate (P0E1405-DUP1)	Sou	rce: 0E12012-	19	Prepared &	Analyzed:	05/14/20				
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P0E1405-DUP2)	Sou	rce: 0E12014-	09	Prepared &	Analyzed:	05/14/20		RPD Limit		
% Moisture	2.0	0.1	%	2.0				0.00	20	
Duplicate (P0E1405-DUP3)	Sou	rce: 0E12014-	36	Prepared &	Analyzed:	05/14/20				
% Moisture	4.0	0.1	%		4.0	·	·	0.00	20	
Duplicate (P0E1405-DUP4)	Sou	rce: 0E12015-	25	Prepared &	Analyzed:	05/14/20				
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P0E1405-DUP5)	Sou	rce: 0E13004-	13	Prepared &	Analyzed:	05/14/20				
% Moisture	5.0	0.1	%		3.0			50.0	20	
Duplicate (P0E1405-DUP6)	Sou	rce: 0E13003-	17	Prepared &	Analyzed:	05/14/20				
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P0E1405-DUP7)	Sou	rce: 0E13003-	20	Prepared &	k Analyzed:	05/14/20				
% Moisture	5.0	0.1	%		5.0			0.00	20	

13000 West County Road 100

Fax: (432) 563-2213

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

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.

Analyte Result  Batch P0E1304 - TX 1005	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0E1304 - TX 1005									
Blank (P0E1304-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 99.0		"	100		99.0	70-130			
Surrogate: o-Terphenyl 52.0		"	50.0		104	70-130			
LCS (P0E1304-BS1)			Prepared &	Analyzed:	05/13/20				
C6-C12 1180	25.0	mg/kg wet	1000		118	75-125			
>C12-C28 1210	25.0	"	1000		121	75-125			
Surrogate: 1-Chlorooctane 97.7		"	100		97.7	70-130			
Surrogate: o-Terphenyl 53.3		"	50.0		107	70-130			
LCS Dup (P0E1304-BSD1)			Prepared &	Analyzed:	05/13/20				
C6-C12 1120	25.0	mg/kg wet	1000		112	75-125	5.73	20	
>C12-C28 1210	25.0	"	1000		121	75-125	0.127	20	
Surrogate: 1-Chlorooctane 121		"	100		121	70-130			
Surrogate: o-Terphenyl 54.0		"	50.0		108	70-130			
Calibration Blank (P0E1304-CCB1)			Prepared &	Analyzed:	05/13/20				
C6-C12 9.49		mg/kg wet							
>C12-C28 11.4		"							
Surrogate: 1-Chlorooctane 104		"	100		104	70-130			
Surrogate: o-Terphenyl 55.2		"	50.0		110	70-130			
Calibration Blank (P0E1304-CCB2)			Prepared &	Analyzed:	05/13/20				
C6-C12 9.71		mg/kg wet							
>C12-C28 15.8		"							
Surrogate: 1-Chlorooctane 89.7		"	100		89.7	70-130			
Surrogate: o-Terphenyl 47.0		"	50.0		94.1	70-130			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 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 P0E1304 - TX 1005										
Calibration Check (P0E1304-CCV1)				Prepared &	Analyzed:	05/13/20				
C6-C12	498	25.0	mg/kg wet	500		99.6	85-115			
>C12-C28	532	25.0	"	500		106	85-115			
Surrogate: 1-Chlorooctane	116		"	100		116	70-130			
Surrogate: o-Terphenyl	54.7		"	50.0		109	70-130			
Calibration Check (P0E1304-CCV2)				Prepared &	Analyzed:	05/13/20				
C6-C12	515	25.0	mg/kg wet	500		103	85-115			
>C12-C28	567	25.0	"	500		113	85-115			
Surrogate: 1-Chlorooctane	101		"	100		101	70-130			
Surrogate: o-Terphenyl	47.8		"	50.0		95.6	70-130			
Batch P0E1309 - TX 1005										
Blank (P0E1309-BLK1)				Prepared: (	05/13/20 A1	nalyzed: 05	/14/20			
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	55.4		"	50.0		111	70-130			
LCS (P0E1309-BS1)				Prepared: (	05/13/20 Aı	nalyzed: 05	/14/20			
C6-C12	1100	25.0	mg/kg wet	1000		110	75-125			
>C12-C28	1100	25.0	"	1000		110	75-125			
Surrogate: 1-Chlorooctane	114		"	100		114	70-130			
Surrogate: o-Terphenyl	58.7		"	50.0		117	70-130			
LCS Dup (P0E1309-BSD1)				Prepared: (	05/13/20 A1	nalyzed: 05	/14/20			
C6-C12	1080	25.0	mg/kg wet	1000		108	75-125	1.83	20	
>C12-C28	1110	25.0	"	1000		111	75-125	0.864	20	
Surrogate: 1-Chlorooctane	114		"	100		114	70-130			
Surrogate: o-Terphenyl	58.0		"	50.0		116	70-130			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc.

13000 West County Road 100

Project: Merchant Livestock 25 SC 2H

Project Number: CDEVID\_11162019

Odessa TX, 79765 Project Manager: Matt Green

Fax: (432) 563-2213

# 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 P0E1309 - TX 1005										
Calibration Blank (P0E1309-CCB1)	Prepared & Analyzed: 05/13/20									
C6-C12	17.4		mg/kg wet							
>C12-C28	12.7		"							
Surrogate: 1-Chlorooctane	112		"	100		112	70-130			
Surrogate: o-Terphenyl	59.2		"	50.0		118	70-130			
Calibration Blank (P0E1309-CCB2)				Prepared: (	)5/13/20 At	nalyzed: 05	/14/20			
C6-C12	18.1		mg/kg wet							
>C12-C28	24.7		"							
Surrogate: 1-Chlorooctane	111		"	100		111	70-130			
Surrogate: o-Terphenyl	57.9		"	50.0		116	70-130			
Calibration Check (P0E1309-CCV1)				Prepared &	Analyzed:	05/13/20				
C6-C12	550	25.0	mg/kg wet	500		110	85-115			
>C12-C28	554	25.0	"	500		111	85-115			
Surrogate: 1-Chlorooctane	116		"	100		116	70-130			
Surrogate: o-Terphenyl	56.8		"	50.0		114	70-130			
Calibration Check (P0E1309-CCV2)				Prepared: (	05/13/20 Aı	nalyzed: 05	/14/20			
C6-C12	520	25.0	mg/kg wet	500		104	85-115			
>C12-C28	572	25.0	"	500		114	85-115			
Surrogate: 1-Chlorooctane	113		"	100		113	70-130			
Surrogate: o-Terphenyl	57.5		"	50.0		115	70-130			
Calibration Check (P0E1309-CCV3)				Prepared: (	05/13/20 At	nalyzed: 05	/14/20			
C6-C12	552	25.0	mg/kg wet	500		110	85-115			
>C12-C28	567	25.0	"	500		113	85-115			
Surrogate: 1-Chlorooctane	114		"	100		114	70-130			
Surrogate: o-Terphenyl	58.3		"	50.0		117	70-130			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 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 P0E1309 - TX 1005

Duplicate (P0E1309-DUP1)	Source	: 0E12012-09	Prepared: 05/13/20	Analyzed: 05	/14/20		
C6-C12	18.9	26.6 mg/kg dry	18.3			3.26	20
>C12-C28	25.7	26.6 "	ND				20
Surrogate: 1-Chlorooctane	111	"	106	105	70-130		
Surrogate: o-Terphenyl	68.3	"	53.2	128	70-130		

E Tech Environmental & Safety Solutions, Inc. Project: Merchant Livestock 25 SC 2H

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

	Drew	Darron			
Report Approved By:			Date:	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.

E Tech Environmental & Safety Solutions, Inc. Project: Merchant Livestock 25 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.

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.

elinquished by:	Car Car		Bill to Centennial Resource	A BH-4 @ 10'		8 3 A-3 ESW @ 5'		A-2 WSW @ 3.5	当 A-2 ESW @ 3.5'	A BH-2 @ 9'	3 A-1 WSW @ 3.5'	A-1 ESW @ 3.5'	ABH-1 @ 9'	⊈AB# (labuse on		(láb use only)** (Paper の I の I の I の I の I の I の I の I の I の	Sampler Signature:		City/State/Zip: Odessa, Texas 79765	SS		Pag Project Manager: Matt Green
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Cha				×	\ ×	-1 ×	×	×	1 ×		×	X	×	Field Filtered  Total #, of Container Ice  HNO <sub>3</sub> HCI  H <sub>2</sub> SO <sub>4</sub> NaOH  Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> None	E LEGELAGINI & # O CUITIBLE S	Drasonation & # of Contain	Matt@etecheny.com rebecca@etecheny.com					S REQUEST Permian Basin Environmental Lab, LP 10014 S. County Road 1213 Midland, Texas 79706
SOD SIX Receive	- Amb	Date Time Custoo	Time	s ×	σ ×	s ×	s	s ×	s ×	s ×	s ×	s ×	σ ×	Other (Specify)  DW=Drinking Water SI  GW = Groundwater S=  NP=Non-Potabla Spe	L=Sludge =Soil/Solid ecify Other 15M 8015 t TX 1006	n Matrix B I a I I		Report Format:	PO#:	Project Loc:	Project #:	ab, LP  Project Name:
S	by Sampler Client Rep 77 by Sampler Client Rep 77 by Counter UPS DHE Fedex Lo	Laberson Container(s)  Custody seals on container(s)  Custody seals on container(s)  Y  Custody seals on cooler(s)  Y  Cambridge Hand Tiblingrad	Sample Contamers intact?  Some Contamers intact?  VOCs Free of Headspace?		×	×	×	X	×	×	×	×	×	SAR / ESP / CEC  Metals: As Ag Ba Co Voiatiles  Semivolatiles  BTEX 8021B/5030 or  RCI  N.O.R.M.  Chlorides E 300	or BTEX 8280		Analyze For:	Standard 🔲 TRRP 🔲 NPDES	Centennial Resource	Lea County, NM	12174	Phone: 432-661-4184  Merchant Livestock 24SC 2H
	ne Star	Z-Z Z ;	722	×	×	×	×	×	×	×	×	×	×	RUSH TAT (Pre-So	chedule) 24, 4	8, 72 hrs		ĎES			Pag	e 46 of 48

P	ag	e 7	70	f1	51	
Project Manager:			PBBIA			
Matt (			K			

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Project Manager: Matt Green						Midland, Texas	3	Ω.	æ		79706	ò							ס	귳.	ğ	Project Name:	9	•		7	<u></u>	읈	ጟ	Merchant Livestock	ð	ğ	웃		24SC	0	2		17 د	, T1
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A FIELD CODE		Begin	Ending	Date	Time	Field Fil	Total #.	Ice	HNO₃	HCI		H₂SO₄	NaOH	Na <sub>2</sub> S <sub>2</sub> (	None	Other		1	t	<del>-</del>	<u> </u>	TPH:	Cations	Anions	SAR / E			Volatile	Semivo	BTEX 8	RCI		N.O.R.I	Chlori				RUSH	Stand	
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							A-9 WSW @ 5'	A-9 ESW @ 5'	A BH-9 @ 9'	A-8 WSW @ 5'	A-8 ESW @ 5'	A BH-8 @ 9'	A-7 WSW @ 5'	A-7 ESW @ 5'	FIELD CODE			4		(432)230-3763	Odessa, Texas 79765	ss: 13000 W CR 100	Etech Environmental and Safety Solutions, Inc	Matt Green		
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	<b>₩</b> 8	្តី 	\$  					<u> </u>							Ending Depth								olution			Yao
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					-		_	_		_	<u> </u>	_	_	<u> </u>	Field Filtered  Total #. of Containers	-		rebe	Matt@etechen					Midland, Texas	Permian Basin Environmental Lab, LP 10014 S. County Road 1213	REC
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	Date	Daite	2		-			-	H	-	┢	┢	-	<u> </u>	Other ( Specify)  DW=Drinking Weter SL=Sludge	╁			<b></b> 1	1		1	1	1	2	
Date Time 57%							S	s	S	S	S	S	S	S	GW = Groundwater S≃Soil/Soild NP=Non-Potable Specify Other	Matrix				Report Format:	÷			p		
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Stee	oy S Oy S	00 S	Š		<u> </u>	ļ			Ш				<u> </u>	<u> </u>	Anions (CI, SO4, Alkalinity)		TOTAL:			X						
5		sea Sea	ee	្ត្	<u> </u>		ļ	_	igdash	1	┞-		_	ـــ	SAR / ESP / CEC	_	OTAL:	4		Stan				<u> </u>	70	
<b>1</b> 2 S			Ŧ		ļ	-		-	-	╂	ــــ	<del>                                     </del>	ऻ	←	Metals, As Ag Ba Cd Cr Pb Hg	g Se	-	Ana		Standard	ĺ			Mer	ħ	
			ads				├	-	Н		<u> </u>	<del> </del>	-	-	Volatiles Semivolatiles		$oxed{+}$	Analyze			ဂ္ဂ			cha		
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	Sa	<b>Z</b> Z Z	2	6		<u> </u>		ļ			<del> -</del>	$\vdash$		1	RUSH TAT (Pre-Schedule) 24	4, 48,	72 hrs		<b>l</b> .	ĚS		_				
						<u> </u>	×	×	×	×	<u> ×</u>	×	×	<u> ×</u>	Standard TAT	⅃	•			•			Pag	је 48	of 48	<u>;                                    </u>

## 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: Merchant Livestock 25 SC 2H Project Number: CDEVID\_11162019

Location: Lea County, NM

Lab Order Number: 0F01002



**Current Certification** 

Report Date: 09/01/20

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

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
D-12 SSW-12 @ 3'	0F01002-01	Soil	05/29/20 07:50	06-01-2020 12:12
C-17 SSW @ 5'	0F01002-02	Soil	05/29/20 08:10	06-01-2020 12:12
C-6 NSW @ 5'	0F01002-03	Soil	05/29/20 08:13	06-01-2020 12:12
C BH-18 @ 7'	0F01002-04	Soil	05/29/20 08:21	06-01-2020 12:12
C-18 ESW @ 5'	0F01002-05	Soil	05/29/20 08:22	06-01-2020 12:12
C-18 SSW @ 5'	0F01002-06	Soil	05/29/20 08:23	06-01-2020 12:12
C-18 NSW @ 5'	0F01002-07	Soil	05/29/20 08:24	06-01-2020 12:12
A-1 NSW @ 3.5'	0F01002-08	Soil	05/29/20 08:34	06-01-2020 12:12
B-1 NSW @ 2.5'	0F01002-09	Soil	05/29/20 08:36	06-01-2020 12:12
E-1 BH @ 1'	0F01002-10	Soil	05/29/20 09:10	06-01-2020 12:12
E-2 BH @ 1'	0F01002-11	Soil	05/29/20 09:11	06-01-2020 12:12
E-3 BH @ 1'	0F01002-12	Soil	05/29/20 09:12	06-01-2020 12:12
E-4 BH @ 1'	0F01002-13	Soil	05/29/20 09:13	06-01-2020 12:12
E-5 BH @ 1'	0F01002-14	Soil	05/29/20 09:14	06-01-2020 12:12
E-6 BH @ 1'	0F01002-15	Soil	05/29/20 09:15	06-01-2020 12:12
E-7 BH @ 1'	0F01002-16	Soil	05/29/20 09:16	06-01-2020 12:12
E-8 BH @ 1'	0F01002-17	Soil	05/29/20 09:17	06-01-2020 12:12
E-9 BH @ 1'	0F01002-18	Soil	05/29/20 09:18	06-01-2020 12:12
E NSW-1 BH @ 2'	0F01002-19	Soil	05/29/20 09:20	06-01-2020 12:12
E NSW-2 BH @ 2'	0F01002-20	Soil	05/29/20 09:21	06-01-2020 12:12
E NSW-3 BH @ 2'	0F01002-21	Soil	05/29/20 09:23	06-01-2020 12:12

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

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

D-12 SSW-12 @ 3' 0F01002-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Amaryce	Result					•	7 mary 20d	Method	11010.
		I	Permian	Basin Eı	nvironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00101 m	ng/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:04	EPA 8021B	
Toluene	ND	0.00101 m	ng/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:04	EPA 8021B	
Ethylbenzene	0.00498	0.00101 m	ng/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:04	EPA 8021B	
Xylene (p/m)	0.0315	0.00202 m	ng/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:04	EPA 8021B	
Xylene (o)	0.0118	0.00101 m	ng/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:04	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.6 %	75-1	25	P0F0204	06/02/20 09:16	06/02/20 23:04	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.9 %	75-1	25	P0F0204	06/02/20 09:16	06/02/20 23:04	EPA 8021B	
General Chemistry Parameter	rs by EPA / Sta	andard Me	thods						
Chloride	9.47	1.01 m	ng/kg dry	1	P0F0512	06/05/20 15:56	06/08/20 14:29	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbon	ıs C6-C35 by I	EPA Metho	d 8015N	1					
C6-C12	ND	25.3 m	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 17:04	TPH 8015M	
>C12-C28	ND	25.3 m	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 17:04	TPH 8015M	
>C28-C35	ND	25.3 m	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 17:04	TPH 8015M	
Surrogate: 1-Chlorooctane		83.4 %	70-1	30	P0F0109	06/01/20 16:09	06/04/20 17:04	TPH 8015M	
Surrogate: o-Terphenyl		93.4 %	70-1	30	P0F0109	06/01/20 16:09	06/04/20 17:04	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3 m	ng/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 17:04	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

C-17 SSW @ 5' 0F01002-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		j	Permian	Basin En	ıvironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00100 n	ng/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:24	EPA 8021B	
Toluene	ND	0.00100 n	ng/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:24	EPA 8021B	
Ethylbenzene	0.0187	0.00100 n	ng/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:24	EPA 8021B	
Xylene (p/m)	0.105	0.00200 n	ng/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:24	EPA 8021B	
Xylene (o)	0.0472	0.00100 n	ng/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.7 %	75-1	25	P0F0204	06/02/20 09:16	06/02/20 23:24	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.1 %	75-1	25	P0F0204	06/02/20 09:16	06/02/20 23:24	EPA 8021B	
General Chemistry Parameter	s by EPA / Sta	andard Me	thods						
Chloride	5.49	1.00 n	ng/kg dry	1	P0F0512	06/05/20 15:56	06/08/20 14:45	EPA 300.0	
% Moisture	ND	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbon	s C6-C35 by 1	EPA Metho	d 8015N	1					
C6-C12	ND	25.0 n	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 17:27	TPH 8015M	
>C12-C28	ND	25.0 n	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 17:27	TPH 8015M	
>C28-C35	ND	25.0 n	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 17:27	TPH 8015M	
Surrogate: 1-Chlorooctane		90.4 %	70-1	30	P0F0109	06/01/20 16:09	06/04/20 17:27	TPH 8015M	
Surrogate: o-Terphenyl		89.9 %	70-1	30	P0F0109	06/01/20 16:09	06/04/20 17:27	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0 r	ng/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 17:27	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### C-6 NSW @ 5' 0F01002-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permiai	ı Basin Er	ıvironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00100 r	ng/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:45	EPA 8021B	
Toluene	ND	0.00100 r	ng/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:45	EPA 8021B	
Ethylbenzene	0.00229	0.00100 r	ng/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:45	EPA 8021B	
Xylene (p/m)	0.0147	0.00200 r	ng/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:45	EPA 8021B	
Xylene (o)	0.00529	0.00100 r	ng/kg dry	1	P0F0204	06/02/20 09:16	06/02/20 23:45	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		97.5 %	75-1	125	P0F0204	06/02/20 09:16	06/02/20 23:45	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.2 %	75-1	125	P0F0204	06/02/20 09:16	06/02/20 23:45	EPA 8021B	
General Chemistry Parameter	rs by EPA / Sta	andard Me	thods						
Chloride	73.3	1.00 r	ng/kg dry	1	P0F0512	06/05/20 15:56	06/08/20 15:01	EPA 300.0	
% Moisture	ND	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbon	s C6-C35 by 1	EPA Metho	d 8015N	И					
C6-C12	ND	25.0 r	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 17:50	TPH 8015M	
>C12-C28	ND	25.0 r	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 17:50	TPH 8015M	
>C28-C35	ND	25.0 r	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 17:50	TPH 8015M	
Surrogate: 1-Chlorooctane		77.4 %	70-1	130	P0F0109	06/01/20 16:09	06/04/20 17:50	TPH 8015M	
Surrogate: o-Terphenyl		79.1 %	70-1	130	P0F0109	06/01/20 16:09	06/04/20 17:50	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0 r	ng/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 17:50	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### C BH-18 @ 7' 0F01002-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permiai	n Basin En	vironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:05	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:05	EPA 8021B	
Ethylbenzene	0.00735	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:05	EPA 8021B	
Xylene (p/m)	0.0455	0.00200	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:05	EPA 8021B	
Xylene (o)	0.0184	0.00100	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:05	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.2 %	75-1	125	P0F0204	06/02/20 09:16	06/03/20 00:05	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		98.9 %	75-1	125	P0F0204	06/02/20 09:16	06/03/20 00:05	EPA 8021B	
General Chemistry Parameter	s by EPA / St	andard Mo	ethods						
Chloride	3.38	1.00	mg/kg dry	1	P0F0512	06/05/20 15:56	06/08/20 15:17	EPA 300.0	
% Moisture	ND	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbon	s C6-C35 by 1	EPA Metho	od 8015N	М					
C6-C12	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 18:12	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 18:12	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 18:12	TPH 8015M	
Surrogate: 1-Chlorooctane		71.5 %	70-1	130	P0F0109	06/01/20 16:09	06/04/20 18:12	TPH 8015M	
Surrogate: o-Terphenyl		84.0 %	70-1	130	P0F0109	06/01/20 16:09	06/04/20 18:12	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 18:12	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### C-18 ESW @ 5' 0F01002-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permiai	n Basin En	ivironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00100 1	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:26	EPA 8021B	
Toluene	ND	0.00100 1	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:26	EPA 8021B	
Ethylbenzene	0.0170	0.00100 1	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:26	EPA 8021B	
Xylene (p/m)	0.0966	0.00200 1	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:26	EPA 8021B	
Xylene (o)	0.0429	0.00100 1	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:26	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-1	125	P0F0204	06/02/20 09:16	06/03/20 00:26	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		97.0 %	75-1	125	P0F0204	06/02/20 09:16	06/03/20 00:26	EPA 8021B	
General Chemistry Parameters	s by EPA / St	andard Me	ethods						
Chloride	2.65	1.00 1	ng/kg dry	1	P0F0512	06/05/20 15:56	06/08/20 15:32	EPA 300.0	
% Moisture	ND	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbons	s C6-C35 by 1	EPA Metho	od 8015N	М					
C6-C12	ND	25.0 1	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 18:35	TPH 8015M	
>C12-C28	ND	25.0 1	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 18:35	TPH 8015M	
>C28-C35	ND	25.0 1	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 18:35	TPH 8015M	
Surrogate: 1-Chlorooctane		79.6 %	70-1	130	P0F0109	06/01/20 16:09	06/04/20 18:35	TPH 8015M	
Surrogate: o-Terphenyl		86.4 %	70-1	130	P0F0109	06/01/20 16:09	06/04/20 18:35	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0 1	ng/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 18:35	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### C-18 SSW @ 5' 0F01002-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permiar	Basin En	vironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00100 r	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:46	EPA 8021B	
Toluene	ND	0.00100 r	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:46	EPA 8021B	
Ethylbenzene	0.0199	0.00100 r	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:46	EPA 8021B	
Xylene (p/m)	0.108	0.00200 n	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:46	EPA 8021B	
Xylene (o)	0.0479	0.00100 r	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 00:46	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		100 %	75-1	25	P0F0204	06/02/20 09:16	06/03/20 00:46	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-1	25	P0F0204	06/02/20 09:16	06/03/20 00:46	EPA 8021B	
General Chemistry Parameter	s by EPA / Sta	andard Me	thods						
Chloride	5.57	1.00 r	ng/kg dry	1	P0F0513	06/05/20 15:58	06/08/20 17:07	EPA 300.0	
% Moisture	ND	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbons	s C6-C35 by 1	EPA Metho	d 8015N	1					
C6-C12	ND	25.0 r	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 18:58	TPH 8015M	
>C12-C28	ND	25.0 r	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 18:58	TPH 8015M	
>C28-C35	ND	25.0 r	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 18:58	TPH 8015M	
Surrogate: 1-Chlorooctane		83.2 %	70-1	30	P0F0109	06/01/20 16:09	06/04/20 18:58	TPH 8015M	
Surrogate: o-Terphenyl		85.5 %	70-1	30	P0F0109	06/01/20 16:09	06/04/20 18:58	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0 r	ng/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 18:58	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### C-18 NSW @ 5' 0F01002-07 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		]	Permia	n Basin En	vironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	0.00790	0.00100 m	ıg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 10:21	EPA 8021B	
Toluene	0.0150	0.00100 m	ıg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 10:21	EPA 8021B	
Ethylbenzene	0.00972	0.00100 m	ıg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 10:21	EPA 8021B	
Xylene (p/m)	0.0544	0.00200 m	ıg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 10:21	EPA 8021B	
Xylene (o)	0.0209	0.00100 m	ıg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 10:21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.1 %	75-	125	P0F0204	06/02/20 09:16	06/03/20 10:21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		97.6 %	75-	125	P0F0204	06/02/20 09:16	06/03/20 10:21	EPA 8021B	
General Chemistry Parameter	rs by EPA / St	andard Me	thods						
Chloride	6.24	1.00 m	ıg/kg dry	1	P0F0513	06/05/20 15:58	06/08/20 17:23	EPA 300.0	
% Moisture	ND	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbon	s C6-C35 by 1	EPA Metho	d 8015	М					
C6-C12	ND	25.0 m	ıg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 19:21	TPH 8015M	
>C12-C28	ND	25.0 m	ıg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 19:21	TPH 8015M	
>C28-C35	ND	25.0 m	ıg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 19:21	TPH 8015M	
Surrogate: 1-Chlorooctane		79.3 %	70-	130	P0F0109	06/01/20 16:09	06/04/20 19:21	TPH 8015M	
Surrogate: o-Terphenyl		78.7 %	70-	130	P0F0109	06/01/20 16:09	06/04/20 19:21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0 m	ng/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 19:21	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

A-1 NSW @ 3.5' 0F01002-08 (Soil)

		Reporting							
Analyte	Result	Limit U	Jnits	Dilution	Batch	Prepared	Analyzed	Method	Note
		P	ermian	Basin Er	ıvironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00102 m	g/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 11:23	EPA 8021B	
Toluene	ND	0.00102 m	g/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 11:23	EPA 8021B	
Ethylbenzene	0.00118	0.00102 m	g/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 11:23	EPA 8021B	
Xylene (p/m)	0.00615	0.00204 m	g/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 11:23	EPA 8021B	
Xylene (o)	0.00385	0.00102 m	g/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 11:23	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-12	25	P0F0204	06/02/20 09:16	06/03/20 11:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	75-12	25	P0F0204	06/02/20 09:16	06/03/20 11:23	EPA 8021B	
<b>General Chemistry Parameter</b>	rs by EPA / St	andard Met	hods						
Chloride	4570	5.10 m	g/kg dry	5	P0F0513	06/05/20 15:58	06/08/20 17:39	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbon	ns C6-C35 by	EPA Method	1 8015M						
C6-C12	ND	25.5 m	g/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 20:29	TPH 8015M	
>C12-C28	ND	25.5 m	g/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 20:29	TPH 8015M	
>C28-C35	ND	25.5 m	g/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 20:29	TPH 8015M	
Surrogate: 1-Chlorooctane		92.4 %	70-1.	30	P0F0109	06/01/20 16:09	06/04/20 20:29	TPH 8015M	
Surrogate: o-Terphenyl		106 %	70-1.	30	P0F0109	06/01/20 16:09	06/04/20 20:29	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5 m	g/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 20:29	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

B-1 NSW @ 2.5' 0F01002-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permiai	n Basin En	vironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00101 r	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 11:43	EPA 8021B	
Toluene	ND	0.00101 r	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 11:43	EPA 8021B	
Ethylbenzene	0.00240	0.00101 r	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 11:43	EPA 8021B	
Xylene (p/m)	0.0185	0.00202 r	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 11:43	EPA 8021B	
Xylene (o)	0.00739	0.00101 r	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 11:43	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-1	125	P0F0204	06/02/20 09:16	06/03/20 11:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	75-1	125	P0F0204	06/02/20 09:16	06/03/20 11:43	EPA 8021B	
General Chemistry Parameter	rs by EPA / Sta	andard Me	thods						
Chloride	21000	25.3 r	ng/kg dry	25	P0F0513	06/05/20 15:58	06/08/20 18:26	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbon	s C6-C35 by 1	EPA Metho	d 8015N	И					
C6-C12	ND	25.3 r	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 20:51	TPH 8015M	
>C12-C28	ND	25.3 r	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 20:51	TPH 8015M	
>C28-C35	ND	25.3 r	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 20:51	TPH 8015M	
Surrogate: 1-Chlorooctane		90.1 %	70-1	130	P0F0109	06/01/20 16:09	06/04/20 20:51	TPH 8015M	
Surrogate: o-Terphenyl		105 %	70-1	130	P0F0109	06/01/20 16:09	06/04/20 20:51	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3 r	ng/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 20:51	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

E-1 BH @ 1' 0F01002-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Ì	Permian	Basin En	ivironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00100 n	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:03	EPA 8021B	
Toluene	ND	0.00100 n	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:03	EPA 8021B	
Ethylbenzene	0.00638	0.00100 n	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:03	EPA 8021B	
Xylene (p/m)	0.0413	0.00200 n	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:03	EPA 8021B	
Xylene (o)	0.0175	0.00100 n	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:03	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	_	100 %	75-1	25	P0F0204	06/02/20 09:16	06/03/20 12:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		97.4 %	75-1	25	P0F0204	06/02/20 09:16	06/03/20 12:03	EPA 8021B	
General Chemistry Parameter	rs by EPA / Sta	andard Me	thods						
Chloride	5.00	1.00 n	ng/kg dry	1	P0F0513	06/05/20 15:58	06/08/20 18:42	EPA 300.0	
% Moisture	ND	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbon	s C6-C35 by 1	EPA Metho	d 8015N	1					
C6-C12	ND	25.0 n	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 21:14	TPH 8015M	
>C12-C28	ND	25.0 n	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 21:14	TPH 8015M	
>C28-C35	ND	25.0 n	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 21:14	TPH 8015M	
Surrogate: 1-Chlorooctane		90.5 %	70-1	30	P0F0109	06/01/20 16:09	06/04/20 21:14	TPH 8015M	
Surrogate: o-Terphenyl		103 %	70-1	30	P0F0109	06/01/20 16:09	06/04/20 21:14	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0 n	ng/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 21:14	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

E-2 BH @ 1' 0F01002-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permiar	n Basin Er	vironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00100 r	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:24	EPA 8021B	
Toluene	ND	0.00100 r	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:24	EPA 8021B	
Ethylbenzene	0.00346	0.00100 r	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:24	EPA 8021B	
Xylene (p/m)	0.0216	0.00200 r	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:24	EPA 8021B	
Xylene (o)	0.00957	0.00100 1	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:24	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	75-1	125	P0F0204	06/02/20 09:16	06/03/20 12:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		97.2 %	75-1	125	P0F0204	06/02/20 09:16	06/03/20 12:24	EPA 8021B	
General Chemistry Parameter	s by EPA / St	andard Me	thods						
Chloride	8.33	1.00 r	ng/kg dry	1	P0F0513	06/05/20 15:58	06/08/20 18:58	EPA 300.0	
% Moisture	ND	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbon	s C6-C35 by 1	EPA Metho	d 8015N	М					
C6-C12	ND	25.0 r	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 21:36	TPH 8015M	
>C12-C28	ND	25.0 r	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 21:36	TPH 8015M	
>C28-C35	ND	25.0 r	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 21:36	TPH 8015M	
Surrogate: 1-Chlorooctane		89.8 %	70-1	130	P0F0109	06/01/20 16:09	06/04/20 21:36	TPH 8015M	
Surrogate: o-Terphenyl		103 %	70-1	130	P0F0109	06/01/20 16:09	06/04/20 21:36	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0 r	ng/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 21:36	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

E-3 BH @ 1' 0F01002-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permian	Basin Er	vironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00100 n	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:44	EPA 8021B	
Toluene	ND	0.00100 n	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:44	EPA 8021B	
Ethylbenzene	0.00202	0.00100 n	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:44	EPA 8021B	
Xylene (p/m)	0.0141	0.00200 n	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:44	EPA 8021B	
Xylene (o)	0.00983	0.00100 n	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 12:44	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	75-1	25	P0F0204	06/02/20 09:16	06/03/20 12:44	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		97.2 %	75-1	25	P0F0204	06/02/20 09:16	06/03/20 12:44	EPA 8021B	
General Chemistry Parameter	rs by EPA / St	andard Me	thods						
Chloride	48.5	1.00 n	ng/kg dry	1	P0F0513	06/05/20 15:58	06/08/20 19:14	EPA 300.0	
% Moisture	ND	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbon	s C6-C35 by 1	EPA Metho	d 8015N	1					
C6-C12	ND	25.0 n	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 21:59	TPH 8015M	
>C12-C28	ND	25.0 n	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 21:59	TPH 8015M	
>C28-C35	ND	25.0 n	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 21:59	TPH 8015M	
Surrogate: 1-Chlorooctane		91.0 %	70-1	30	P0F0109	06/01/20 16:09	06/04/20 21:59	TPH 8015M	
Surrogate: o-Terphenyl		105 %	70-1	30	P0F0109	06/01/20 16:09	06/04/20 21:59	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0 n	ng/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 21:59	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### E-4 BH @ 1' 0F01002-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
					nvironmental l	<u> </u>			
			ı cı illiali	Dasiii Ei	ivii oninentai 1	⊔au, L.1.			
BTEX by 8021B									
Benzene	ND	0.00101 1	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:04	EPA 8021B	
Toluene	ND	0.00101 1	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:04	EPA 8021B	
Ethylbenzene	ND	0.00101 1	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:04	EPA 8021B	
Xylene (p/m)	ND	0.00202 1	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:04	EPA 8021B	
Xylene (o)	0.00268	0.00101 1	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:04	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-12	25	P0F0204	06/02/20 09:16	06/03/20 13:04	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.8 %	75-12	25	P0F0204	06/02/20 09:16	06/03/20 13:04	EPA 8021B	
General Chemistry Parameter	s by EPA / St	andard Me	thods						
Chloride	1730	1.01 1	ng/kg dry	1	P0F0513	06/05/20 15:58	06/08/20 19:30	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbon	s C6-C35 by 1	EPA Metho	d 8015M	[					
C6-C12	ND	25.3 1	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 22:21	TPH 8015M	
>C12-C28	ND	25.3 1	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 22:21	TPH 8015M	
>C28-C35	ND	25.3 1	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 22:21	TPH 8015M	
Surrogate: 1-Chlorooctane		94.4 %	70-1.	30	P0F0109	06/01/20 16:09	06/04/20 22:21	TPH 8015M	
Surrogate: o-Terphenyl		110 %	70-1.	30	P0F0109	06/01/20 16:09	06/04/20 22:21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3 1	ng/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 22:21	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

E-5 BH @ 1' 0F01002-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permia	n Basin Er	nvironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:25	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:25	EPA 8021B	
Ethylbenzene	0.00138	0.00103	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:25	EPA 8021B	
Xylene (p/m)	0.00897	0.00206	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:25	EPA 8021B	
Xylene (o)	0.00548	0.00103	mg/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:25	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-	125	P0F0204	06/02/20 09:16	06/03/20 13:25	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.4 %	75-	125	P0F0204	06/02/20 09:16	06/03/20 13:25	EPA 8021B	
General Chemistry Parameter	s by EPA / St	andard M	ethods						
Chloride	4980	10.3	mg/kg dry	10	P0F0513	06/05/20 15:58	06/08/20 19:46	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbon	s C6-C35 by 1	EPA Meth	od 8015]	M					
C6-C12	ND	25.8	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 22:44	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 22:44	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 22:44	TPH 8015M	
Surrogate: 1-Chlorooctane		92.0 %	70-	130	P0F0109	06/01/20 16:09	06/04/20 22:44	TPH 8015M	
Surrogate: o-Terphenyl		107 %	70-	130	P0F0109	06/01/20 16:09	06/04/20 22:44	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 22:44	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### E-6 BH @ 1' 0F01002-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		]	Permian	Basin E	nvironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00100 n	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:46	EPA 8021B	
Toluene	ND	0.00100 n	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:46	EPA 8021B	
Ethylbenzene	0.00383	0.00100 n	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:46	EPA 8021B	
Xylene (p/m)	0.0262	0.00200 n	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:46	EPA 8021B	
Xylene (o)	0.0132	0.00100 n	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 13:46	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.7 %	75-1	25	P0F0204	06/02/20 09:16	06/03/20 13:46	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.5 %	75-1	25	P0F0204	06/02/20 09:16	06/03/20 13:46	EPA 8021B	
General Chemistry Parameter	s by EPA / St	andard Me	thods						
Chloride	512	1.00 n	ng/kg dry	1	P0F0513	06/05/20 15:58	06/08/20 20:01	EPA 300.0	
% Moisture	ND	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbon	s C6-C35 by 1	EPA Metho	d 8015N	1					
C6-C12	ND	25.0 n	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 23:06	TPH 8015M	
>C12-C28	ND	25.0 n	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 23:06	TPH 8015M	
>C28-C35	ND	25.0 n	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 23:06	TPH 8015M	
Surrogate: 1-Chlorooctane		89.5 %	70-1	30	P0F0109	06/01/20 16:09	06/04/20 23:06	TPH 8015M	
Surrogate: o-Terphenyl		103 %	70-1	30	P0F0109	06/01/20 16:09	06/04/20 23:06	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0 n	ng/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 23:06	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

E-7 BH @ 1' 0F01002-16 (Soil)

Analyte	Result	Reporting Limit U	Jnits	Dilution	Batch	Prepared	Analyzed	Method	Notes
		I	Permiar	Basin Er	ivironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00100 m	g/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 14:06	EPA 8021B	
Toluene	ND	0.00100 m	g/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 14:06	EPA 8021B	
Ethylbenzene	0.00344	0.00100 m	g/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 14:06	EPA 8021B	
Xylene (p/m)	0.0259	0.00200 m	g/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 14:06	EPA 8021B	
Xylene (o)	0.0128	0.00100 m	g/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 14:06	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		97.1 %	75-1	25	P0F0204	06/02/20 09:16	06/03/20 14:06	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-1	25	P0F0204	06/02/20 09:16	06/03/20 14:06	EPA 8021B	
General Chemistry Parameter	rs by EPA / St	andard Met	hods						
Chloride	9.72	1.00 m	g/kg dry	1	P0F0513	06/05/20 15:58	06/08/20 20:49	EPA 300.0	
% Moisture	ND	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbon	s C6-C35 by 1	EPA Metho	1 8015N	1					
C6-C12	ND	25.0 m	g/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 23:28	TPH 8015M	
>C12-C28	ND	25.0 m	g/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 23:28	TPH 8015M	
>C28-C35	ND	25.0 m	g/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 23:28	TPH 8015M	
Surrogate: 1-Chlorooctane		93.5 %	70-1	30	P0F0109	06/01/20 16:09	06/04/20 23:28	TPH 8015M	
Surrogate: o-Terphenyl		106 %	70-1	30	P0F0109	06/01/20 16:09	06/04/20 23:28	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0 m	g/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 23:28	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### E-8 BH @ 1' 0F01002-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	T. C. S. All.				vironmental l	·	, 200		1.010
BTEX by 8021B		•	- 01 1111411	Zusin Di					
Benzene	ND	0.00102 r	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 14:26	EPA 8021B	
Toluene	ND	0.00102 r	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 14:26	EPA 8021B	
Ethylbenzene	ND	0.00102 r	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 14:26	EPA 8021B	
Xylene (p/m)	0.00473	0.00204 n	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 14:26	EPA 8021B	
Xylene (o)	0.00338	0.00102 r	ng/kg dry	1	P0F0204	06/02/20 09:16	06/03/20 14:26	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.9 %	75-1	25	P0F0204	06/02/20 09:16	06/03/20 14:26	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-1	25	P0F0204	06/02/20 09:16	06/03/20 14:26	EPA 8021B	
<b>General Chemistry Parameter</b>	rs by EPA / St	andard Me	thods						
Chloride	17.2	1.02 r	ng/kg dry	1	P0F0513	06/05/20 15:58	06/08/20 21:05	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbon	s C6-C35 by 1	EPA Metho	d 8015N	1					
C6-C12	ND	25.5 r	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 23:51	TPH 8015M	
>C12-C28	ND	25.5 r	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 23:51	TPH 8015M	
>C28-C35	ND	25.5 r	ng/kg dry	1	P0F0109	06/01/20 16:09	06/04/20 23:51	TPH 8015M	
Surrogate: 1-Chlorooctane		91.2 %	70-1	30	P0F0109	06/01/20 16:09	06/04/20 23:51	TPH 8015M	
Surrogate: o-Terphenyl		106 %	70-1	30	P0F0109	06/01/20 16:09	06/04/20 23:51	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5 r	ng/kg dry	1	[CALC]	06/01/20 16:09	06/04/20 23:51	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### E-9 BH @ 1' 0F01002-18 (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	0.00100 r	ng/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 18:27	EPA 8021B	
Toluene	ND	0.00500 r	ng/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 18:27	EPA 8021B	
Ethylbenzene	ND	0.00500 r	ng/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 18:27	EPA 8021B	
Xylene (p/m)	0.00602	0.00500 r	ng/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 18:27	EPA 8021B	
Xylene (o)	0.00221	0.00100 r	ng/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 18:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		100 %	75-	125	P0F0308	06/03/20 15:19	06/03/20 18:27	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	75-	125	P0F0308	06/03/20 15:19	06/03/20 18:27	EPA 8021B	
General Chemistry Parameter	s by EPA / St	andard Me	thods						
Chloride	317	1.00 r	ng/kg dry	1	P0F0513	06/05/20 15:58	06/08/20 21:20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbon	s C6-C35 by 1	EPA Metho	d 8015	М					
C6-C12	ND	25.0 r	ng/kg dry	1	P0F0208	06/02/20 13:24	06/05/20 02:27	TPH 8015M	
>C12-C28	ND	25.0 r	ng/kg dry	1	P0F0208	06/02/20 13:24	06/05/20 02:27	TPH 8015M	
>C28-C35	ND	25.0 r	ng/kg dry	1	P0F0208	06/02/20 13:24	06/05/20 02:27	TPH 8015M	
Surrogate: 1-Chlorooctane		99.0 %	70-	130	P0F0208	06/02/20 13:24	06/05/20 02:27	TPH 8015M	
Surrogate: o-Terphenyl		115 %	70-	130	P0F0208	06/02/20 13:24	06/05/20 02:27	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0 r	ng/kg dry	1	[CALC]	06/02/20 13:24	06/05/20 02:27	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### E NSW-1 BH @ 2' 0F01002-19 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		]	Permia	n Basin En	vironmental l	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00100 n	ng/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 18:47	EPA 8021B	
Toluene	ND	0.00500 n	ng/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 18:47	EPA 8021B	
Ethylbenzene	0.00887	0.00500 n	ng/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 18:47	EPA 8021B	
Xylene (p/m)	0.0570	0.00500 n	ng/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 18:47	EPA 8021B	
Xylene (o)	0.0252	0.00100 n	ng/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 18:47	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.8 %	75-	125	P0F0308	06/03/20 15:19	06/03/20 18:47	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.3 %	75-	125	P0F0308	06/03/20 15:19	06/03/20 18:47	EPA 8021B	
<b>General Chemistry Parameter</b>	rs by EPA / St	andard Me	thods						
Chloride	135	1.00 n	ng/kg dry	1	P0F0513	06/05/20 15:58	06/08/20 21:36	EPA 300.0	
% Moisture	ND	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbon	ns C6-C35 by	EPA Metho	d 8015	M					
C6-C12	ND	25.0 n	ng/kg dry	1	P0F0208	06/02/20 13:24	06/05/20 02:49	TPH 8015M	
>C12-C28	ND	25.0 n	ng/kg dry	1	P0F0208	06/02/20 13:24	06/05/20 02:49	TPH 8015M	
>C28-C35	ND	25.0 n	ng/kg dry	1	P0F0208	06/02/20 13:24	06/05/20 02:49	TPH 8015M	
Surrogate: 1-Chlorooctane		90.4 %	70-	130	P0F0208	06/02/20 13:24	06/05/20 02:49	TPH 8015M	
Surrogate: o-Terphenyl		102 %	70-	130	P0F0208	06/02/20 13:24	06/05/20 02:49	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0 n	ng/kg dry	1	[CALC]	06/02/20 13:24	06/05/20 02:49	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### E NSW-2 BH @ 2' 0F01002-20 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
			Permiar	Basin En	vironmental I	Lab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00104 r	ng/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 19:08	EPA 8021B	
Toluene	ND	0.00521 r	ng/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 19:08	EPA 8021B	
Ethylbenzene	ND	0.00521 r	ng/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 19:08	EPA 8021B	
Xylene (p/m)	ND	0.00521 r	ng/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 19:08	EPA 8021B	
Xylene (o)	0.00189	0.00104 r	ng/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 19:08	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	75-1	25	P0F0308	06/03/20 15:19	06/03/20 19:08	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	75-1	25	P0F0308	06/03/20 15:19	06/03/20 19:08	EPA 8021B	
General Chemistry Parameter	s by EPA / Sta	andard Me	thods						
Chloride	11500	26.0 r	ng/kg dry	25	P0F0513	06/05/20 15:58	06/08/20 21:52	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbon	s C6-C35 by I	EPA Metho	d 8015N	1					
C6-C12	ND	26.0 r	ng/kg dry	1	P0F0208	06/02/20 13:24	06/05/20 03:11	TPH 8015M	
>C12-C28	ND	26.0 r	ng/kg dry	1	P0F0208	06/02/20 13:24	06/05/20 03:11	TPH 8015M	
>C28-C35	ND	26.0 r	ng/kg dry	1	P0F0208	06/02/20 13:24	06/05/20 03:11	TPH 8015M	
Surrogate: 1-Chlorooctane		89.0 %	70-1	30	P0F0208	06/02/20 13:24	06/05/20 03:11	TPH 8015M	
Surrogate: o-Terphenyl		103 %	70-1	30	P0F0208	06/02/20 13:24	06/05/20 03:11	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0 r	ng/kg dry	1	[CALC]	06/02/20 13:24	06/05/20 03:11	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### E NSW-3 BH @ 2' 0F01002-21 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
-			Permiar	ı Basin Er	vironmental I	Lab, L.P.	-		
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 19:28	EPA 8021B	
Toluene	ND	0.00505	mg/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 19:28	EPA 8021B	
Ethylbenzene	ND	0.00505	mg/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 19:28	EPA 8021B	
Xylene (p/m)	0.00998	0.00505	mg/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 19:28	EPA 8021B	
Xylene (o)	0.00491	0.00101	mg/kg dry	1	P0F0308	06/03/20 15:19	06/03/20 19:28	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	75-1	125	P0F0308	06/03/20 15:19	06/03/20 19:28	EPA 8021B	·
Surrogate: 4-Bromofluorobenzene		100 %	75-1	125	P0F0308	06/03/20 15:19	06/03/20 19:28	EPA 8021B	
<b>General Chemistry Parameter</b>	rs by EPA / St	andard Mo	ethods						
Chloride	26.7	1.01	mg/kg dry	1	P0F0513	06/05/20 15:58	06/08/20 22:39	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0F0202	06/02/20 08:33	06/02/20 08:36	ASTM D2216	
Total Petroleum Hydrocarbon	s C6-C35 by 1	EPA Metho	od 8015N	И					
C6-C12	ND	25.3	mg/kg dry	1	P0F0208	06/02/20 13:24	06/05/20 03:34	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0F0208	06/02/20 13:24	06/05/20 03:34	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0F0208	06/02/20 13:24	06/05/20 03:34	TPH 8015M	
Surrogate: 1-Chlorooctane		96.6 %	70-1	130	P0F0208	06/02/20 13:24	06/05/20 03:34	TPH 8015M	
Surrogate: o-Terphenyl		111 %	70-1	130	P0F0208	06/02/20 13:24	06/05/20 03:34	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	06/02/20 13:24	06/05/20 03:34	calc	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

Project Number: CDEVID\_11162019

Odessa TX, 79765

13000 West County Road 100

Project Manager: Matt Green

#### 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
-	Result	Limit	Oillis	Level	Result	/UKEC	Limits	Ki D	Limit	110105
Batch P0F0204 - General Preparation (GC)										
Blank (P0F0204-BLK1)				Prepared &	Analyzed:	06/02/20				
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	0.118		"	0.120		98.0	75-125			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.4	75-125			
LCS (P0F0204-BS1)				Prepared &	: Analyzed:	06/02/20				
Benzene	0.0994	0.00100	mg/kg wet	0.100		99.4	70-130			
Toluene	0.0906	0.00100	"	0.100		90.6	70-130			
Ethylbenzene	0.111	0.00100	"	0.100		111	70-130			
Xylene (p/m)	0.195	0.00200	"	0.200		97.6	70-130			
Xylene (o)	0.102	0.00100	"	0.100		102	70-130			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	75-125			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.5	75-125			
LCS Dup (P0F0204-BSD1)				Prepared &	Analyzed:	06/02/20				
Benzene	0.0922	0.00100	mg/kg wet	0.100		92.2	70-130	7.47	20	
Toluene	0.0875	0.00100	"	0.100		87.5	70-130	3.48	20	
Ethylbenzene	0.108	0.00100	"	0.100		108	70-130	2.60	20	
Xylene (p/m)	0.188	0.00200	"	0.200		93.9	70-130	3.84	20	
Xylene (o)	0.0962	0.00100	"	0.100		96.2	70-130	5.77	20	
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	75-125			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.6	75-125			
Calibration Blank (P0F0204-CCB1)				Prepared &	: Analyzed:	06/02/20				
Benzene	0.00	<u> </u>	mg/kg wet							
Toluene	0.700		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.330		"							
Xylene (o)	0.00		"							

Permian Basin Environmental Lab, L.P.

Surrogate: 1,4-Difluorobenzene

Surrogate: 4-Bromofluorobenzene

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96.8

95.2

75-125

75-125

0.120

0.120

0.116

0.114

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 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 P0F0204 - General Preparation (GC)										
Calibration Blank (P0F0204-CCB2)				Prepared: 0	06/02/20 Aı	nalyzed: 06	/03/20			
Benzene	0.00		mg/kg wet							
Toluene	0.690		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.350		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.0	75-125			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.4	75-125			
Calibration Check (P0F0204-CCV1)				Prepared &	Analyzed:	06/02/20				
Benzene	0.101	0.00100	mg/kg wet	0.100		101	80-120			
Toluene	0.0944	0.00100	"	0.100		94.4	80-120			
Ethylbenzene	0.0974	0.00100	"	0.100		97.4	80-120			
Xylene (p/m)	0.197	0.00200	"	0.200		98.3	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.1	75-125			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	75-125			
Calibration Check (P0F0204-CCV2)				Prepared: 0	06/02/20 Aı	nalyzed: 06	/03/20			
Benzene	0.0965	0.00100	mg/kg wet	0.100		96.5	80-120			
Toluene	0.0947	0.00100	"	0.100		94.7	80-120			
Ethylbenzene	0.0954	0.00100	"	0.100		95.4	80-120			
Xylene (p/m)	0.192	0.00200	"	0.200		96.1	80-120			
Xylene (o)	0.100	0.00100	"	0.100		100	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		102	75-125			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.5	75-125			
Calibration Check (P0F0204-CCV3)				Prepared: 0	06/02/20 Aı	nalyzed: 06	/03/20			
Benzene	0.0910	0.00100	mg/kg wet	0.100		91.0	80-120			
Toluene	0.0872	0.00100	"	0.100		87.2	80-120			
Ethylbenzene	0.0871	0.00100	"	0.100		87.1	80-120			
Xylene (p/m)	0.178	0.00200	"	0.200		89.0	80-120			
Xylene (o)	0.0954	0.00100	"	0.100		95.4	80-120			

Permian Basin Environmental Lab, L.P.

 ${\it Surrogate: 4-Bromofluor obenzene}$ 

Surrogate: 1,4-Difluorobenzene

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97.4

102

75-125

75-125

0.120

0.120

0.117

0.123

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 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 P0F0204 - General Preparation (GC)** 

Matrix Spike (P0F0204-MS1)	Sour	ce: 0E29004	-28	Prepared: 0	6/02/20 A	nalyzed: 06	/03/20
Benzene	0.0851	0.00101	mg/kg dry	0.101	ND	84.2	80-120
Toluene	0.0855	0.00101	"	0.101	ND	84.6	80-120
Ethylbenzene	0.0947	0.00101	"	0.101	ND	93.7	80-120
Xylene (p/m)	0.168	0.00202	"	0.202	ND	83.3	80-120
Xylene (o)	0.0854	0.00101	"	0.101	ND	84.5	80-120
Surrogate: 1,4-Difluorobenzene	0.125		"	0.121		103	75-125
Surrogate: 4-Bromofluorobenzene	0.122		"	0.121		101	75-125

Matrix Spike Dup (P0F0204-MSD1)	Sour	ce: 0E29004	-28	Prepared: 0	6/02/20 A	nalyzed: 00	5/03/20			
Benzene	0.0826	0.00101	mg/kg dry	0.101	ND	81.8	80-120	2.91	20	
Toluene	0.0842	0.00101	"	0.101	ND	83.3	80-120	1.60	20	
Ethylbenzene	0.0917	0.00101	"	0.101	ND	90.8	80-120	3.21	20	
Xylene (p/m)	0.162	0.00202	"	0.202	ND	80.4	80-120	3.54	20	
Xylene (o)	0.0819	0.00101	"	0.101	ND	81.1	80-120	4.16	20	
Surrogate: 1,4-Difluorobenzene	0.124		"	0.121		103	75-125			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.121		100	75-125			

Batch P0F0308 - General Preparation (GC)

Blank (P0F0308-BLK1)		Prepared & Analyzed: 06/03/20								
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00500	"							
Ethylbenzene	ND	0.00500	"							
Xylene (p/m)	ND	0.00500	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120	101	75-125				
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120	99.5	75-125				

Permian Basin Environmental Lab, L.P.

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E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 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 P0F0308 - General Preparation (GC)										
LCS (P0F0308-BS1)				Prepared &	Analyzed:	06/03/20				
Benzene	0.0934	0.00100	mg/kg wet	0.100		93.4	70-130			
Toluene	0.0920	0.00500	"	0.100		92.0	70-130			
Ethylbenzene	0.104	0.00500	"	0.100		104	70-130			
Xylene (p/m)	0.202	0.00500	"	0.200		101	70-130			
Xylene (o)	0.103	0.00100	"	0.100		103	70-130			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	75-125			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.6	75-125			
LCS Dup (P0F0308-BSD1)				Prepared &	Analyzed:	06/03/20				
Benzene	0.0972	0.00100	mg/kg wet	0.100		97.2	70-130	3.93	20	
Toluene	0.0971	0.00500	"	0.100		97.1	70-130	5.39	20	
Ethylbenzene	0.104	0.00500	"	0.100		104	70-130	0.355	20	
Xylene (p/m)	0.208	0.00500	"	0.200		104	70-130	3.27	20	
Xylene (o)	0.106	0.00100	"	0.100		106	70-130	3.63	20	
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	75-125			
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		97.9	75-125			
Calibration Blank (P0F0308-CCB1)				Prepared &	Analyzed:	06/03/20				
Benzene	0.00		mg/kg wet							
Toluene	0.720		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.370		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.8	75-125			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.2	75-125			
Calibration Blank (P0F0308-CCB2)				Prepared &	Analyzed:	06/03/20				
Benzene	0.00		mg/kg wet							
Toluene	0.500		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.540		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.7	75-125			

Permian Basin Environmental Lab, L.P.

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E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 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.

	D. I.	Reporting	TT '	Spike	Source	0/DEC	%REC	DDD	RPD	NI 4
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0F0308 - General Preparation (GC	(1)									
Calibration Blank (P0F0308-CCB3)				Prepared: (	06/03/20 A1	nalyzed: 06	/04/20			
Benzene	0.420		mg/kg wet							
Toluene	4.92		"							
Ethylbenzene	1.36		"							
Xylene (p/m)	3.58		"							
Xylene (o)	0.920		"							
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.2	75-125			
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.4	75-125			
Calibration Check (P0F0308-CCV1)				Prepared &	Analyzed:	06/03/20				
Benzene	0.0958	0.00100	mg/kg wet	0.100		95.8	80-120			
Toluene	0.0935	0.00500	"	0.100		93.5	80-120			
Ethylbenzene	0.0972	0.00500	"	0.100		97.2	80-120			
Xylene (p/m)	0.199	0.00500	"	0.200		99.6	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.1	75-125			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		102	75-125			
Calibration Check (P0F0308-CCV2)				Prepared &	Analyzed:	06/03/20				
Benzene	0.0994	0.00100	mg/kg wet	0.100	-	99.4	80-120			
Toluene	0.0918	0.00500	"	0.100		91.8	80-120			
Ethylbenzene	0.0937	0.00500	"	0.100		93.7	80-120			
Xylene (p/m)	0.191	0.00500	"	0.200		95.7	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.9	75-125			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		101	75-125			
Calibration Check (P0F0308-CCV3)				Prepared: (	06/03/20 A1	nalyzed: 06	/04/20			
Benzene	0.0958	0.00100	mg/kg wet	0.100		95.8	80-120			
Toluene	0.0998	0.00500	"	0.100		99.8	80-120			
Ethylbenzene	0.0968	0.00500	"	0.100		96.8	80-120			
Xylene (p/m)	0.192	0.00500	"	0.200		96.0	80-120			

0.103

0.113

0.118

0.00100

Permian Basin Environmental Lab, L.P.

Xylene (o)

Surrogate: 4-Bromofluorobenzene

Surrogate: 1,4-Difluorobenzene

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103

94.2

98.5

80-120

75-125

75-125

0.100

0.120

0.120

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

Project Number: CDEVID\_11162019

Odessa TX, 79765

13000 West County Road 100

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 P0F0308 - General Preparation (	$\mathbf{GC}$	)
---------------------------------------	---------------	---

Matrix Spike (P0F0308-MS1)	P0F0308-MS1) Source: 0F				06/03/20 An	alyzed: 06	6/04/20			
Benzene	0.0736	0.00100 mg/l	kg dry	0.100	ND	73.6	80-120			QM-07
Toluene	0.0836	0.00500	"	0.100	0.000640	82.9	80-120			
Ethylbenzene	0.0847	0.00500	"	0.100	0.000910	83.8	80-120			
Xylene (p/m)	0.151	0.00500	"	0.200	0.00602	72.4	80-120			QM-07
Xylene (o)	0.0773	0.00100	"	0.100	0.00221	75.1	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.8	75-125			
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		89.4	75-125			
Matrix Spike Dup (P0F0308-MSD1)	Sour	ce: 0F01002-18		Prepared:	06/03/20 An	alyzed: 06	6/04/20			
Benzene	0.0782	0.00100 mg/l	kg dry	0.100	ND	78.2	80-120	6.02	20	QM-07
Toluene	0.0867	0.00500	"	0.100	0.000640	86.0	80-120	3.66	20	

Benzene	0.0782	0.00100	mg/kg dry	0.100	ND	78.2	80-120	6.02	20	QM-07
Toluene	0.0867	0.00500	"	0.100	0.000640	86.0	80-120	3.66	20	
Ethylbenzene	0.0918	0.00500	"	0.100	0.000910	90.9	80-120	8.17	20	
Xylene (p/m)	0.166	0.00500	"	0.200	0.00602	79.8	80-120	9.66	20	QM-07
Xylene (o)	0.0849	0.00100	"	0.100	0.00221	82.7	80-120	9.62	20	
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		95.4	75-125			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.7	75-125			

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project 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 P0F0202 - *** DEFAULT PREP ***										
Blank (P0F0202-BLK1)				Prepared &	: Analyzed:	06/02/20				
% Moisture	ND	0.1	%							
Duplicate (P0F0202-DUP1)	Sour	rce: 0E29015-	02	Prepared &	: Analyzed:	06/02/20				
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P0F0202-DUP2)	Sour	ce: 0E29017-	20	Prepared &	: Analyzed:	06/02/20				
% Moisture	8.0	0.1	%		8.0			0.00	20	
Duplicate (P0F0202-DUP3)	Sour	rce: 0F01002-	21	Prepared &	: Analyzed:	06/02/20				
% Moisture	1.0	0.1	%		1.0			0.00	20	
Batch P0F0512 - *** DEFAULT PREP ***										
Blank (P0F0512-BLK1)				Prepared: 0	)6/05/20 Aı	nalyzed: 06	5/06/20			
Chloride	ND	1.00	mg/kg wet							
LCS (P0F0512-BS1)				Prepared: 0	)6/05/20 Ai	nalyzed: 06	5/06/20			
Chloride	416	1.00	mg/kg wet	400		104	80-120			
LCS Dup (P0F0512-BSD1)				Prepared: 0	)6/05/20 At	nalyzed: 06	5/06/20			
Chloride	409	1.00	mg/kg wet	400		102	80-120	1.51	20	
Calibration Blank (P0F0512-CCB1)				Prepared: 0	)6/05/20 At	nalyzed: 06	5/06/20			
Chloride	0.00		mg/kg wet	<del>-</del>						
Calibration Blank (P0F0512-CCB2)				Prepared: 0	)6/05/20 Aı	nalyzed: 06	5/08/20			
Chloride	0.00		mg/kg wet							

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100 Project Number: CDEVID\_11162019

Odessa TX, 79765 Project Manager: Matt Green

Fax: (432) 563-2213

## 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
Analyte	Result	Lillit	Ollits	Level	Result	/UKEC	Lillits	KrD	Lillit	ivotes
Batch P0F0512 - *** DEFAULT PREP ***										
Calibration Check (P0F0512-CCV1)				Prepared: (	06/05/20 A	nalyzed: 06	/06/20			
Chloride	20.1		mg/kg	20.0		101	0-200			
Calibration Check (P0F0512-CCV2)				Prepared: (	06/05/20 A:	nalyzed: 06	/08/20			
Chloride	21.6		mg/kg	20.0		108	0-200			
Calibration Check (P0F0512-CCV3)				Prepared: (	06/05/20 A:	nalyzed: 06	/08/20			
Chloride	21.9		mg/kg	20.0		109	0-200			
Matrix Spike (P0F0512-MS1)	Sour	ce: 0E29016	-01	Prepared: (	06/05/20 A:	nalyzed: 06	/06/20			
Chloride	9470	57.5	mg/kg dry	5750	3920	96.6	80-120			
Matrix Spike (P0F0512-MS2)	Sour	ce: 0E29017	-14	Prepared: (	06/05/20 A:	nalyzed: 06	/08/20			
Chloride	3890	10.6	mg/kg dry	1060	2780	104	80-120			
Matrix Spike Dup (P0F0512-MSD1)	Sour	ce: 0E29016	-01	Prepared: (	06/05/20 A:	nalyzed: 06	/06/20			
Chloride	9260	57.5	mg/kg dry	5750	3920	92.9	80-120	2.25	20	
Matrix Spike Dup (P0F0512-MSD2)	Sour	ce: 0E29017	-14	Prepared: (	06/05/20 A:	nalyzed: 06	/08/20			
Chloride	3930	10.6	mg/kg dry	1060	2780	108	80-120	1.07	20	
Batch P0F0513 - *** DEFAULT PREP ***										
Blank (P0F0513-BLK1)				Prepared: (	06/05/20 A	nalyzed: 06	/08/20			
Chloride	ND	1.00	mg/kg wet							
LCS (P0F0513-BS1)				Prepared: (	06/05/20 A	nalyzed: 06	/08/20			
Chloride	434	1.00	mg/kg wet	400		108	80-120			

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

## General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source	0/275	%REC	222	RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0F0513 - *** DEFAULT PREP ***										
LCS Dup (P0F0513-BSD1)				Prepared: (	06/05/20 Aı	nalyzed: 06	/08/20			
Chloride	441	1.00	mg/kg wet	400		110	80-120	1.66	20	
Calibration Blank (P0F0513-CCB1)				Prepared: (	06/05/20 A1	nalyzed: 06	/08/20			
Chloride	0.00		mg/kg wet							
Calibration Blank (P0F0513-CCB2)				Prepared: (	06/05/20 Aı	nalyzed: 06	/08/20			
Chloride	0.00		mg/kg wet							
Calibration Check (P0F0513-CCV1)				Prepared: (	06/05/20 Aı	nalyzed: 06	/08/20			
Chloride	21.9		mg/kg	20.0		109	0-200			
Calibration Check (P0F0513-CCV2)				Prepared: (	06/05/20 Aı	nalyzed: 06	/08/20			
Chloride	22.4		mg/kg	20.0		112	0-200			
Calibration Check (P0F0513-CCV3)				Prepared: (	06/05/20 Aı	nalyzed: 06	/08/20			
Chloride	21.4		mg/kg	20.0		107	0-200			
Matrix Spike (P0F0513-MS1)	Sour	ce: 0F01002	2-08	Prepared: (	06/05/20 Aı	nalyzed: 06	/08/20			
Chloride	5640	5.10	mg/kg dry	510	4570	210	80-120			
Matrix Spike (P0F0513-MS2)	Sour	ce: 0F01002	2-20	Prepared: (	06/05/20 Aı	nalyzed: 06	/08/20			
Chloride	14900	26.0	mg/kg dry	2600	11500	130	80-120			
Matrix Spike Dup (P0F0513-MSD1)	Sour	ce: 0F01002	-08	Prepared: (	06/05/20 Aı	nalyzed: 06	/08/20			
Chloride	5240	5.10	mg/kg dry	510	4570	132	80-120	7.33	20	
Matrix Spike Dup (P0F0513-MSD2)	Sour	ce: 0F01002	-20	Prepared: (	06/05/20 Aı	nalyzed: 06	/08/20			
Chloride	14000	26.0	mg/kg dry	2600	11500	95.2	80-120	6.35	20	

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100 Project Number: CDEVID\_11162019

Odessa TX, 79765 Project Manager: Matt Green

Fax: (432) 563-2213

## 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 P0F0109 - TX 1005										
Blank (P0F0109-BLK1)				Prepared: (	06/01/20 Ar	nalyzed: 06	/04/20			
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	148		"	160		92.7	70-130			
Surrogate: o-Terphenyl	83.0		"	80.0		104	70-130			
LCS (P0F0109-BS1)				Prepared: (	06/01/20 Ar	nalyzed: 06	/04/20			
C6-C12	1660	25.0	mg/kg wet	1800		92.4	75-125			
>C12-C28	1990	25.0	"	1800		110	75-125			
Surrogate: 1-Chlorooctane	179		"	160		112	70-130			
Surrogate: o-Terphenyl	80.8		"	80.0		101	70-130			
LCS Dup (P0F0109-BSD1)				Prepared: (	06/01/20 Ar	nalyzed: 06	/04/20			
C6-C12	1660	25.0	mg/kg wet	1800		92.3	75-125	0.170	20	
>C12-C28	2010	25.0	"	1800		112	75-125	1.14	20	
Surrogate: 1-Chlorooctane	185		"	160		116	70-130			
Surrogate: o-Terphenyl	74.6		"	80.0		93.2	70-130			
Calibration Blank (P0F0109-CCB1)				Prepared: (	06/01/20 Ar	nalyzed: 06	/04/20			
C6-C12	16.0		mg/kg wet							
>C12-C28	13.6		"							
Surrogate: 1-Chlorooctane	156		"	160		97.5	70-130			
Surrogate: o-Terphenyl	86.8		"	80.0		108	70-130			
Calibration Check (P0F0109-CCV1)				Prepared: (	06/01/20 Ar	nalyzed: 06	/04/20			
C6-C12	811	25.0	mg/kg wet	800		101	85-115			
>C12-C28	886	25.0	"	800		111	85-115			
Surrogate: 1-Chlorooctane	157		"	160		98.2	70-130			
Surrogate: o-Terphenyl	74.4		"	80.0		93.1	70-130			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc.

13000 West County Road 100

Project: Merchant Livestock 25 SC 2H

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 P0F0109 - TX 1005										
Duplicate (P0F0109-DUP1)	Sou	rce: 0F01002	-17	Prepared: (	06/01/20 Aı	nalyzed: 06	5/05/20			
C6-C12	23.5	25.5	mg/kg dry		18.9			21.3	20	
>C12-C28	14.9	25.5	"		17.2			14.2	20	
Surrogate: 1-Chlorooctane	149		"	163		91.1	70-130			
Surrogate: o-Terphenyl	86.6		"	81.6		106	70-130			
Batch P0F0208 - TX 1005										
Blank (P0F0208-BLK1)				Prepared: (	06/02/20 Aı	nalyzed: 06	5/05/20			
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	157		"	160		98.1	70-130			
Surrogate: o-Terphenyl	86.2		"	80.0		108	70-130			
LCS (P0F0208-BS1)				Prepared: (	06/02/20 Aı	nalyzed: 06	0/05/20			
C6-C12	1830	25.0	mg/kg wet	1800		102	75-125			
>C12-C28	2140	25.0	"	1800		119	75-125			
Surrogate: 1-Chlorooctane	202		"	160		126	70-130			
Surrogate: o-Terphenyl	82.5		"	80.0		103	70-130			
LCS Dup (P0F0208-BSD1)				Prepared: (	06/02/20 Aı	nalyzed: 06	5/05/20			
C6-C12	1810	25.0	mg/kg wet	1800		100	75-125	1.07	20	
>C12-C28	2130	25.0	"	1800		119	75-125	0.455	20	
Surrogate: 1-Chlorooctane	195		"	160		122	70-130			
Surrogate: o-Terphenyl	79.9		"	80.0		99.9	70-130			
Calibration Blank (P0F0208-CCB1)				Prepared: (	06/02/20 Aı	nalyzed: 06	5/05/20			
C6-C12	19.1		mg/kg wet							
>C12-C28	10.6		"							
Surrogate: 1-Chlorooctane	153		"	160		95.6	70-130			
Surrogate: o-Terphenyl	84.2		"	80.0		105	70-130			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 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 P0F0208 - TX 1005										
Calibration Blank (P0F0208-CCB2)				Prepared: (	06/02/20 A	nalyzed: 06	5/05/20			
C6-C12	20.7		mg/kg wet							
>C12-C28	16.8		"							
Surrogate: 1-Chlorooctane	136		"	160		85.3	70-130			
Surrogate: o-Terphenyl	75.3		"	80.0		94.2	70-130			
Calibration Check (P0F0208-CCV1)				Prepared: (	06/02/20 A	nalyzed: 06	5/05/20			
C6-C12	861	25.0	mg/kg wet	800		108	85-115			
>C12-C28	918	25.0	"	800		115	85-115			
Surrogate: 1-Chlorooctane	165		"	160		103	70-130			
Surrogate: o-Terphenyl	79.0		"	80.0		98.7	70-130			
Calibration Check (P0F0208-CCV2)				Prepared: (	06/02/20 A	nalyzed: 06	5/05/20			
C6-C12	823	25.0	mg/kg wet	800		103	85-115			
>C12-C28	871	25.0	"	800		109	85-115			
Surrogate: 1-Chlorooctane	157		"	160		98.4	70-130			
Surrogate: o-Terphenyl	75.0		"	80.0		93.7	70-130			
Calibration Check (P0F0208-CCV3)				Prepared: (	06/02/20 A	nalyzed: 06	5/05/20			
C6-C12	541	25.0	mg/kg wet	500		108	85-115			
>C12-C28	561	25.0	"	500		112	85-115			
Surrogate: 1-Chlorooctane	130		"	160		81.5	70-130			
Surrogate: o-Terphenyl	70.8		"	80.0		88.5	70-130			
Duplicate (P0F0208-DUP1)	Sou	rce: 0F02001	1-04	Prepared: (	06/02/20 A	nalyzed: 06	5/05/20			
C6-C12	14.0	25.5	mg/kg dry		14.2			1.45	20	
>C12-C28	12.5	25.5	"		11.8			5.69	20	
Surrogate: 1-Chlorooctane	148		"	163		90.8	70-130			
Surrogate: o-Terphenyl	84.8		"	81.6		104	70-130			

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. Project: Merchant Livestock 25 SC 2H

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

ecovery.

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

	Drew	Darron			
Report Approved By:			Date:	0/1/2020	

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.

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AB #/(lab use	FIFI D CODE		Beginning De	Ending Depti	Date Sample	Time Sample	Fleid Filtered	Total #. of Conta	Ice	HNO <sub>3</sub>	HCI	H₂SO₄	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>		None	Other ( Specify	DW=Dnnking Wate	GW = Groundwate	NP=Non-Potable	TPH: 418.	TPH: TX 1005	Cations (Ca, Mg	Anions (Cl, SO4	SAR / ESP / CE		Metals: As Ag E	Volatilas	Semivolatiles	BTEX 8021B/50	RCI	A A C 80 7	N.O.R.M.	Chlorides É	Web.		DIIQU TAT ~		Standard TA
— L	D-12 SSW-12 @ 3'				5/29/2020	750			×			1		+	-	1			S.		×				+-	+	<del> </del>			×				×			+	+-	×
2	C-17 SSW @ 5'				5/29/2020	810			×				†	+	-	1	<u> </u>	.	တ	_	×	1			+	╄	<b> </b>		П	×	+^	+	, a.,	×	TV.	1	+	1	×
ડ	C-6 NSW @ 5				5/29/2020	813	1		×						+	-			ြဟ		×		Т	1	+	+	4			ī×	+	-		×		+	+	-	$  \times  $
<b>Q</b>	CBH-18 @ 7'				5/29/2020	821			×					+	+	1_			တ		×		T	<b>—</b>	+	+-	4	$\perp$	T	×	+^	+		×		+	+		$\sim$
(A	C-18 ESW @ 5				5/29/2020	822			×				$\top$	+	+	4.			S		$    \times  $	1		十	+	+				: 1×	+	_		∢  ×	1	+	+	+	:  ×
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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: Merchant Livestock 25 SC 2H Project Number: CDEVID\_11162019 Location: Lea County, New Mexico

Lab Order Number: 0F09010



**Current Certification** 

Report Date: 09/01/20

E Tech Environmental & Safety Solutions, Inc. Project: Merchant Livestock 25 SC 2H

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
B-7 WSW @ 5'	0F09010-01	Soil	06/03/20 07:00	06-09-2020 21:29

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

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

B-7 WSW @ 5' 0F09010-01 (Soil)

		Reporting						
Analyte	Result	Limit Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

#### Permian Basin Environmental Lab, L.P.

Chloride	654	25.8 mg/kg dry	25	P0F1211	06/12/20 21:16	06/16/20 00:11	EPA 300.0
% Moisture	3.0	0.1 %	1	P0F1101	06/11/20 10:06	06/11/20 10:12	ASTM D2216

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

Project Number: CDEVID\_11162019

13000 West County Road 100 Odessa TX, 79765

Project 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 P0F1101 - *** DEFAULT PREP ***										
Blank (P0F1101-BLK1)				Prepared &	Analyzed:	06/11/20				
% Moisture	ND	0.1	%							
Duplicate (P0F1101-DUP1)	Sou	rce: 0F09013-	13	Prepared &	analyzed:	06/11/20				
% Moisture	7.0	0.1	%		7.0			0.00	20	
Duplicate (P0F1101-DUP2)	Sou	rce: 0F09016-	04	Prepared &	z Analyzed:	06/11/20				
% Moisture	6.0	0.1	%		7.0			15.4	20	
Duplicate (P0F1101-DUP3)	Sou	rce: 0F09018-	09	Prepared &	Analyzed:	06/11/20				
% Moisture	14.0	0.1	%		13.0			7.41	20	
Duplicate (P0F1101-DUP4)	Sou	rce: 0F09020-	12	Prepared &	Analyzed:	06/11/20				
% Moisture	1.0	0.1	%		1.0			0.00	20	
Duplicate (P0F1101-DUP5)	Sou	rce: 0F09022-	03	Prepared &	z Analyzed:	06/11/20				
% Moisture	7.0	0.1	%		8.0			13.3	20	
Duplicate (P0F1101-DUP6)	Sou	rce: 0F09022-	30	Prepared &	Analyzed:	06/11/20				
% Moisture	2.0	0.1	%		2.0			0.00	20	
<b>Duplicate (P0F1101-DUP7)</b>	Sou	rce: 0F10005-	02	Prepared &	analyzed:	06/11/20				
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P0F1101-DUP8)	Sou	rce: 0F10008-	10	Prepared &	Analyzed:	06/11/20				
% Moisture	6.0	0.1	%		6.0			0.00	20	
Batch P0F1211 - *** DEFAULT PREP ***										
LCS (P0F1211-BS1)				Prepared: (	06/12/20 A	nalyzed: 06	/15/20			
Chloride	403	1.00	mg/kg wet	400		101	80-120			

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100 Project Number: CDEVID\_11162019

Odessa TX, 79765 Project 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 P0F1211 - *** DEFAULT PREP ***										
LCS Dup (P0F1211-BSD1)				Prepared: (	06/12/20 A	nalyzed: 06	/15/20			
Chloride	409	1.00	mg/kg wet	400		102	80-120	1.40	20	
Calibration Blank (P0F1211-CCB2)				Prepared: (	06/12/20 A	nalyzed: 06	/16/20			
Chloride	0.00		mg/kg wet							
Calibration Check (P0F1211-CCV1)				Prepared: (	06/12/20 A	nalyzed: 06	/15/20			
Chloride	20.0	·	mg/kg	20.0	·	100	0-200		·	
Calibration Check (P0F1211-CCV2)				Prepared: (	06/12/20 A	nalyzed: 06	/16/20			
Chloride	20.2		mg/kg	20.0		101	0-200			
Matrix Spike (P0F1211-MS1)	Sour	ce: 0F09010	<b>)-01</b>	Prepared: (	06/12/20 A	nalyzed: 06	/16/20			
Chloride	3000	25.8	mg/kg dry	2580	654	91.1	80-120			
Matrix Spike (P0F1211-MS2)	Sour	ce: 0F09013	<b>3-07</b>	Prepared: (	06/12/20 A	nalyzed: 06	/16/20			
Chloride	16700	52.6	mg/kg dry	5260	10700	114	80-120			
Matrix Spike Dup (P0F1211-MSD1)	Sour	rce: 0F09010	)-01	Prepared: (	06/12/20 A	nalyzed: 06	/16/20			
Chloride	3140	25.8	mg/kg dry	2580	654	96.4	80-120	4.46	20	
Matrix Spike Dup (P0F1211-MSD2)	Sour	rce: 0F09013	3-07	Prepared: (	06/12/20 A	nalyzed: 06	/16/20			
Chloride	16500	52.6	mg/kg dry	5260	10700	110	80-120	1.43	20	

E Tech Environmental & Safety Solutions, Inc.

Project: Merchant Livestock 25 SC 2H

13000 West County Road 100

Project Number: CDEVID\_11162019

Odessa TX, 79765

Project Manager: Matt Green

#### **Notes and Definitions**

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

	Bren Barron		
Report Approved By:		Date:	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.

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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 25 SC 2H

Project Number: 12175 Location: NM

Lab Order Number: 0F26014



**Current Certification** 

Report Date: 09/01/20

E Tech Environmental & Safety Solutions, Inc. Project: Centennial Merchant Livestock 25 SC 2H

13000 West County Road 100Project Number:12175Odessa TX, 79765Project Manager:Matt Green

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B-7 WSW @ 5'	0F26014-01	Soil	06/23/20 14:00	06-26-2020 09:42
E-4 BH @ 3'	0F26014-02	Soil	06/22/20 09:50	06-26-2020 09:42
E-NSW-2 @ 2'	0F26014-03	Soil	06/22/20 10:00	06-26-2020 09:42
E-5 BH @ 4'	0F26014-04	Soil	06/22/20 10:15	06-26-2020 09:42
B-1 NSW @ 2.5'	0F26014-05	Soil	06/16/20 13:00	06-26-2020 09:42
A-1 NSW @ 3.5'	0F26014-06	Soil	06/23/20 14:00	06-26-2020 09:42

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

13000 West County Road 100Project Number:12175Odessa TX, 79765Project Manager:Matt Green

Fax: (432) 563-2213

### B-7 WSW @ 5' 0F26014-01 (Soil)

	]	Reporting						
Analyte	Result	Limit Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

#### Permian Basin Environmental Lab, L.P.

Chloride	329	10.6 mg/kg dry	10	P0F2909	06/29/20 16:08	06/30/20 18:39	EPA 300.0
% Moisture	6.0	0.1 %	1	P0F2701	06/27/20 10:22	06/29/20 09:44	ASTM D2216

E Tech Environmental & Safety Solutions, Inc.

Project: Centennial Merchant Livestock 25 SC 2H

13000 West County Road 100Project Number:12175Odessa TX, 79765Project Manager:Matt Green

#### E-4 BH @ 3' 0F26014-02 (Soil)

		Reporting						
Analyte	Result	Limit Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

#### Permian Basin Environmental Lab, L.P.

Chloride	145	1.00 mg/kg dry	1	P0F2909	06/29/20 16:08	06/30/20 18:55	EPA 300.0
% Moisture	ND	0.1 %	1	P0F2701	06/27/20 10:22	06/29/20 09:44	ASTM D2216

13000 West County Road 100Project Number:12175Odessa TX, 79765Project Manager:Matt Green

Fax: (432) 563-2213

E-NSW-2 @ 2' 0F26014-03 (Soil)

								1
		Reporting						
Analyte	Result	Limit Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

#### Permian Basin Environmental Lab, L.P.

Chloride	352	1.02 mg/kg dry	1	P0F2909	06/29/20 16:08	06/30/20 19:11	EPA 300.0
% Moisture	2.0	0.1 %	1	P0F2701	06/27/20 10:22	06/29/20 09:44	ASTM D2216

E Tech Environmental & Safety Solutions, Inc. Project: Centennial Merchant Livestock 25 SC 2H

13000 West County Road 100Project Number:12175Odessa TX, 79765Project Manager:Matt Green

E-5 BH @ 4' 0F26014-04 (Soil)

	]	Reporting						
Analyte	Result	Limit Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

#### Permian Basin Environmental Lab, L.P.

Chloride	62.9	5.21 mg/kg dry	5	P0F2909	06/29/20 16:08	06/30/20 19:26	EPA 300.0
% Moisture	4.0	0.1 %	1	P0F2701	06/27/20 10:22	06/29/20 09:44	ASTM D2216

E Tech Environmental & Safety Solutions, Inc. Project: Centennial Merchant Livestock 25 SC 2H

13000 West County Road 100Project Number:12175Odessa TX, 79765Project Manager:Matt Green

B-1 NSW @ 2.5' 0F26014-05 (Soil)

Reporting

Analyte Result Limit Units Dilution Batch Prepared Analyzed Method Notes

#### Permian Basin Environmental Lab, L.P.

Chloride	1060	1.06 mg/kg dry	1	P0F2909	06/29/20 16:08	06/30/20 19:42	EPA 300.0
% Moisture	6.0	0.1 %	1	P0F2701	06/27/20 10:22	06/29/20 09:44	ASTM D2216

E Tech Environmental & Safety Solutions, Inc.

Project: Centennial Merchant Livestock 25 SC 2H

13000 West County Road 100Project Number:12175Odessa TX, 79765Project Manager:Matt Green

A-1 NSW @ 3.5' 0F26014-06 (Soil)

Reporting

Analyte Result Limit Units Dilution Batch Prepared Analyzed Method Notes

#### Permian Basin Environmental Lab, L.P.

**General Chemistry Parameters by EPA / Standard Methods** 

Chloride	35.1	1.06 mg/kg dry	1	P0F2909	06/29/20 16:08	06/30/20 19:58	EPA 300.0
% Moisture	6.0	0.1 %	1	P0F2701	06/27/20 10:22	06/29/20 09:44	ASTM D2216

Permian Basin Environmental Lab, L.P.

E Tech Environmental & Safety Solutions, Inc. Project: Centennial Merchant Livestock 25 SC 2H

13000 West County Road 100Project Number:12175Odessa TX, 79765Project Manager:Matt Green

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

	D. I	Reporting	TT '	Spike	Source	0/DEC	%REC	DDD	RPD	N
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0F2701 - *** DEFAULT PREP ***										
Blank (P0F2701-BLK1)				Prepared:	06/27/20 A	nalyzed: 06	5/29/20			
% Moisture	ND	0.1	%							
Duplicate (P0F2701-DUP1)	Sou	rce: 0F26003-	14	Prepared:	06/27/20 A	nalyzed: 06	5/29/20			
% Moisture	ND	0.1	%		ND				20	
Duplicate (P0F2701-DUP2)	Sou	rce: 0F26010-	11	Prepared:	06/27/20 A	nalyzed: 06	5/29/20			
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P0F2701-DUP3)	Sou	rce: 0F26010-	38	Prepared:	06/27/20 A	nalyzed: 06	5/29/20			
% Moisture	3.0	0.1	%		3.0			0.00	20	
Duplicate (P0F2701-DUP4)	Sou	rce: 0F26015-	11	Prepared:	06/27/20 A	nalyzed: 06	5/29/20			
% Moisture	ND	0.1	%		ND				20	
Batch P0F2909 - *** DEFAULT PREP ***										
Blank (P0F2909-BLK1)				Prepared:	06/29/20 A	nalyzed: 06	5/30/20			
Chloride	ND	1.00	mg/kg wet							
LCS (P0F2909-BS1)				Prepared:	06/29/20 A	nalyzed: 06	5/30/20			
Chloride	500	1.00	mg/kg wet	500		100	80-120			
LCS Dup (P0F2909-BSD1)				Prepared:	06/29/20 A	nalyzed: 06	5/30/20			
Chloride	498	1.00	mg/kg wet	500		99.7	80-120	0.306	20	
Calibration Blank (P0F2909-CCB1)				Prepared:	06/29/20 A	nalyzed: 06	5/30/20			
Chloride	0.00		mg/kg wet							

13000 West County Road 100Project Number:12175Odessa TX, 79765Project Manager:Matt Green

Fax: (432) 563-2213

## 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 P0F2909 - *** DEFAULT PREP ***										
Calibration Blank (P0F2909-CCB2)				Prepared: (	06/29/20 A	nalyzed: 06	5/30/20			
Chloride	0.00		mg/kg wet							
Calibration Check (P0F2909-CCV1)				Prepared: (	06/29/20 A	nalyzed: 06	5/30/20			
Chloride	19.3		mg/kg	20.0		96.3	0-200			
Calibration Check (P0F2909-CCV2)				Prepared: (	06/29/20 A	nalyzed: 06	5/30/20			
Chloride	19.8		mg/kg	20.0		99.2	0-200			
Calibration Check (P0F2909-CCV3)				Prepared: (	06/29/20 A	nalyzed: 07	7/01/20			
Chloride	20.4		mg/kg	20.0		102	0-200			
Matrix Spike (P0F2909-MS1)	Sou	rce: 0F26012	-05	Prepared: (	06/29/20 A	nalyzed: 06	5/30/20			
Chloride	2740	5.10	mg/kg dry	510	2300	84.9	80-120			
Matrix Spike (P0F2909-MS2)	Sou	rce: 0F26017	<b>'-03</b>	Prepared: (	06/29/20 A	nalyzed: 06	5/30/20			
Chloride	647	1.06	mg/kg dry	532	63.7	110	80-120			
Matrix Spike Dup (P0F2909-MSD1)	Sou	rce: 0F26012	2-05	Prepared: (	06/29/20 A	nalyzed: 06	5/30/20			
Chloride	2150	5.10	mg/kg dry	510	2300	NR	80-120	24.2	20	QM-05
Matrix Spike Dup (P0F2909-MSD2)	Sour	rce: 0F26017	-03	Prepared: (	06/29/20 A	nalyzed: 06	5/30/20			
Chloride	663	1.06	mg/kg dry	532	63.7	113	80-120	2.38	20	

E Tech Environmental & Safety Solutions, Inc. Project: Centennial Merchant Livestock 25 SC 2H

13000 West County Road 100 Project Number: 12175
Odessa TX, 79765 Project Manager: Matt Green

**Notes and Definitions** 

ROI Received on Ice

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

	Drew	Darron			
Report Approved By:			Date:	0/1/2020	

Brent Barron, Laboratory Director/Technical Director

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

Permian Basin Environmental Lab, L.P.

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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 25 SC 2H

Project Number: 12175 Location: Lea County, NM

Lab Order Number: 0G30013



**Current Certification** 

Report Date: 09/01/20

E Tech Environmental & Safety Solutions, Inc. Project: Centennial Merchant Livestock 25 SC 2H

13000 West County Road 100Project Number:12175Odessa TX, 79765Project Manager:Matt Green

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B-1 NSW @ 2.5'	0G30013-01	Soil	07/27/20 09:00	07-30-2020 15:34

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

13000 West County Road 100Project Number:12175Odessa TX, 79765Project Manager:Matt Green

Fax: (432) 563-2213

#### B-1 NSW @ 2.5' 0G30013-01 (Soil)

			Reporting						
١.	Analyte	Result	Limit Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

#### Permian Basin Environmental Lab, L.P.

Chloride	192	1.08 mg/kg dry	1	P0H0704	08/07/20 11:14	08/08/20 00:31	EPA 300.0
% Moisture	7.0	0.1 %	1	P0H0402	08/04/20 09:46	08/04/20 09:52	ASTM D2216

13000 West County Road 100Project Number:12175Odessa TX, 79765Project Manager:Matt Green

Fax: (432) 563-2213

## 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 ***										
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 &	: 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)	Sou	rce: 0H03011-	03	Prepared &	: Analyzed:	08/04/20				
% Moisture	6.0	0.1	%	*	6.0			0.00	20	

13000 West County Road 100Project Number:12175Odessa TX, 79765Project Manager:Matt Green

Fax: (432) 563-2213

## 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 P0H0704 - *** DEFAULT PREP ***										
LCS (P0H0704-BS1)				Prepared &	Analyzed:	08/07/20				
Chloride	409	1.00	mg/kg wet	400		102	80-120			
LCS Dup (P0H0704-BSD1)				Prepared &	z Analyzed:	08/07/20				
Chloride	411	1.00	mg/kg wet	400		103	80-120	0.415	20	
Calibration Check (P0H0704-CCV1)				Prepared &	Analyzed:	08/07/20				
Chloride	20.1		mg/kg	20.0		101	0-200			
Calibration Check (P0H0704-CCV2)				Prepared: (	08/07/20 A	nalyzed: 08	/08/20			
Chloride	19.9		mg/kg	20.0		99.7	0-200			
Calibration Check (P0H0704-CCV3)				Prepared: (	08/07/20 A	nalyzed: 08	3/08/20			
Chloride	20.4		mg/kg	20.0		102	0-200			
Matrix Spike (P0H0704-MS1)	Sour	rce: 0G30010	0-05	Prepared: (	08/07/20 A	nalyzed: 08	3/08/20			
Chloride	1100	1.03	mg/kg dry	515	785	61.7	80-120			QM-05
Matrix Spike (P0H0704-MS2)	Sou	rce: 0G30014	4-01	Prepared: (	08/07/20 A	nalyzed: 08	3/08/20			
Chloride	548	1.11	mg/kg dry	556	21.2	94.8	80-120			
Matrix Spike Dup (P0H0704-MSD1)	Sou	rce: 0G30010	)-05	Prepared: (	08/07/20 A	nalyzed: 08	/08/20			
Chloride	1190	1.03	mg/kg dry	515	785	79.2	80-120	7.85	20	QM-05
Matrix Spike Dup (P0H0704-MSD2)	Sou	rce: 0G30014	4-01	Prepared: (	08/07/20 A	nalyzed: 08	3/08/20			
Chloride	542	1.11	mg/kg dry	556	21.2	93.7	80-120	1.12	20	

E Tech Environmental & Safety Solutions, Inc. Project: Centennial Merchant Livestock 25 SC 2H

13000 West County Road 100 Project Number: 12175
Odessa TX, 79765 Project Manager: Matt Green

**Notes and Definitions** 

ROI Received on Ice

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

	Drew	Darron			
Report Approved By:			Date:	0/1/2020	

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.

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<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 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

Responsible Party

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 C	entennial Resour	ces Developmen	t C	OGRID 372165					
Contact Nam	e Zane	Kurtz		C	Contact Telephone 432-701-5672					
Contact emai	l zane	.kurtz@cdevinc.c	com	Iı	ncident# (	assigned by O	CD)			
Contact mail Midland, Te			ois Ave, Suite 50	00,						
Location of Release Source										
Latitude 32.	Latitude 32.36974 Longitude -103.42675 (NAD 83 in decimal degrees to 5 decimal places)									
Site Name: N	Ierchant L	ivestock 24 State	Com 2H	Si	ite Type	Oil Well a	and Tank Batte	ery		
Date Release	Discovered:	November 16, 2	2019	A	PI# (if appl	icable): <b>30-</b> 0	025-413470000			
Unit Letter	Section	Township	Range		Count	<u>у</u>				
N	24	22S	34E	Lea						
	Surface Owner: State Federal Tribal Private (Name:  Nature and Volume of Release  Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)									
Crude Oil		Volume Release	ed (bbls) 3		Volume Recovered (bbls) 2					
⊠ Produced	Water	Volume Release				Volume Recovered (bbls) 1000				
		Is the concentrat produced water	tion of dissolved >10,000 mg/l?	chloride in	the Yes No					
Condensat	te	Volume Release	d (bbls)			Volume Re	covered (bbls)			
☐ Natural Ga	as	Volume Release	d (Mcf)			Volume Recovered (Mcf)				
Other (describe) Volume/Weight Released (provide units)					Volume/Weight Recovered (provide units)					
Cause of Rele containment.	ase: Chec Then it ov	k valve on the wa er ran the contai	ater transfer pui inment and ran	mp failed a south of th	and caused the battery	I transfer p and into the	ump to spill ou e pasture area.	t and fill lined		
						***************************************				

### State of New Mexico Oil Conservation Division

Incident ID	
District RP	
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 responsible party consider this a major release?  The release was over 25 bbls and the release ran off the pad and into pasture.
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
	Initial Response
The responsible p	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury
<ul><li>☑ Released materials ha</li><li>☑ All free liquids and re</li></ul>	rase has been stopped.  Is been secured to protect human health and the environment.  It is been contained via the use of berms or dikes, absorbent pads, or other containment devices.  It is coverable materials have been removed and managed appropriately.  It is above have not been undertaken, explain why:
	AC the responsible party may commence remediation immediately after discovery of a release. If remediation
has begun, please attach a within a lined containmen	n narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred t area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
regulations all operators are republic health or the environmedialed to adequately investigations.	mation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger them. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have the and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name:Zai	ne KurtzSr. Environmental Analyst
Signature:	Date:11-19-2019
email:zane.kurtz(	@cdevinc.com
OCD Only	
Received by:	Date:

## 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?					
Are the lateral extents of the release overlying an unstable area such as karst geology?					
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No				
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	☐ Yes ☐ No				
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.					
Characterization Report Checklist: Each of the following items must be included in the report.					
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.  Field data  Data table of soil contaminant concentration data  Depth to water determination  Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release  Boring or excavation logs					
Photographs including date and GIS information Topographic/Aerial maps Laboratory data including chain of custody					

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

### State of New Mexico Oil Conservation Division

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District RP	
Facility ID	
Application ID	

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

### 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.					
<ul> <li>□ Detailed description of proposed remediation technique</li> <li>□ Scaled sitemap with GPS coordinates showing delineation points</li> <li>□ Estimated volume of material to be remediated</li> <li>□ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC</li> <li>□ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)</li> </ul>						
Deferral Requests Only: Each of the following items must be co	infirmed as part of any request for deferral of remediation					
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 healt	Contamination does not cause an imminent risk to human health, the environment, or groundwater.					
I hereby certify that the information given above is true and complerules 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 investigate surface water, human health or the environment. In addition, OCD responsibility for compliance with any other federal, state, or local	e 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						
Received by:	Date:					
Approved Approved with Attached Conditions of	Approval Denied Deferral Approved					
Signature:	Date:					

### State of New Mexico Oil Conservation Division

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

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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.

A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC	
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office	
☐ Laboratory analyses of final sampling (Note: appropriate ODC	District office must be notified 2 days prior to final sampling)	
Description of remediation activities		
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and remhuman health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regulat restore, reclaim, and re-vegetate the impacted surface area to the con accordance with 19.15.29.13 NMAC including notification to the OC Printed Name:  Signature:	nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially aditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete.  Title:	
OCD Only		
Received by:	Date:	
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.		
Closure Approved by:	Date:	
Printed Name:	Title:	

## State of New Mexico Oil Conservation Division

Incident ID	nRH2003 535484
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				
E 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: Samon Hohensee Title: St. Environmental Analyst  Date: 12-23-20  Title: St. Environmental Analyst  Title: Mon. hohensee Cdevinc.com  Telephone: 432-241-4283				
OCD Only				
Received by: Robert Hamlet Date: 4/20/2021				
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: Robert Hamlet Date: 4/20/2021				
Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced				

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

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 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 13057

#### **CONDITIONS OF APPROVAL**

Operator:			OGRID:	Action Number:	Action Type:
CENTENNIAL RESOURCE PRODUCTION	1001 17th Street, Suite 1800	Denver, CO80202	372165	13057	C-141

OCD Reviewer	Condition
rhamlet	We have received your closure report and final C-141 for Incident #NRH2003535484 MERCHANT LIVESTOCK 24 STATE COM 2H, thank you. This closure is approved.