State of New Mexico
Oil Conservation Division

Incident ID	nAPP2116049360
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?	< 50 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2116049360
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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: Nikki Green Title: Sr. Environmental Representative

Signature: Nikki Green Date: 1/10/2022

email: nikki.green@cdevinc.com Telephone: 432-634-8722

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2116049360
District RP	
Facility ID	
Application ID	

Remediation Plan

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

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Nikki Green Title: Sr. Environmental Representative

Signature: Nikki Green Date: 1/10/2022

email: nikki.green@coleveinc.com Telephone: 432-634-8722

OCD Only

Received by: Chad Hensley Date: 02/01/2022

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

Signature: Chad Hensley Date: 02/01/2022

January 5, 2022

Mike Bratcher
Incidents Group Supervisor
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
1220 South St. Francis Drive
Santa Fe, NM 875050
PH #: 575-626-0857
Mike.Bratcher@state.nm.us

Re: Soil Investigation Summary and Proposed Remediation Workplan
Tour Bus 23 State 503H & 504H CTB Release (nAPP2116049360)
GPS: N 32.38390° W 103.44223°
Unit Letter "C", Section 23, Township 22 South, Range 34 East
Lea County, New Mexico

Dear Mr. Bratcher,

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Centennial Resource Development, Inc. (Centennial), has prepared this Soil Investigation Summary and Proposed Remediation Workplan (Workplan) for the Tour Bus 23 State 503H & 504H CTB Release Site (Release Site). The purpose of this Workplan is to propose remediation activities designed to advance the Tour Bus 23 State 503H & 504H CTB Release Site toward a New Mexico Oil and Conservation District (NMOCD) approved Site Closure Status. The legal description of the Release Site is Unit Letter "C", Section 23, Township 22 South, Range 34 East, in Lea County, New Mexico. The GPS coordinates for the site are N 32.38390° W 103.44223°. A Site Location Map and Site Details and Soil Sample Location Map are provided as Figure 1 and Figure 2, respectively.

On June 8, 2021, a crude oil release occurred at the Tour Bus 23 State 503H & 504H CTB. The release was the result of a fire caused by a malfunctioning transfer pump. On January 8, 2021, Centennial reported the release to the NMOCD District 1 Office located in Hobbs, New Mexico and the release was assigned the incident number nAPP2116049360. A Release Notification and Corrective Action Form (Form C-141) was subsequently submitted to the NMOCD on June 16, 2021. The release was reported as approximately two (2) gallons of crude oil released with approximately zero (0) gallons of crude oil recovered, resulting in a net loss of approximately two (2) gallons of crude oil. A copy of the NMOCD Release Notification and Corrective Action Form C-141 is attached to this Workplan.

A search of the groundwater database maintained by the United States Geological Survey (USGS) did not identify any registered water wells within a quarter (1/4) mile of the Tour Bus 23 State 503H & 504H CTB Release Site. A further search of the USGS database identified the closest registered water well is USGS Well #: 322231103262601 located approximately three tenths (0.3) of a mile southeast 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). No water wells were observed within one-thousand feet of the Release Site. No surface water was observed within one thousand (1,000) feet of the release. Based on the NMOCD site classification system, the following soil remediation levels will be assigned to the Release Site as a result of this criterion.

Based on the NMOCD Site Classification criteria, the Release Site remediation levels are 10 mg/Kg for benzene, 50 mg/Kg for benzene, toluene, ethylbenzene and xylenes (BTEX), 100 mg/Kg for total petroleum hydrocarbons (TPH), and 600 mg/Kg for chloride concentrations.

On October 27, 2021, Etech utilized a hand auger to collect thirteen (13) delineation soil samples (Auger Hole 1 @ 0-6", Auger Hole 1 @ 6-12" , Auger Hole 2 @ 0-6", Auger Hole 2 @ 6-12", Auger Hole 2 @ 12-18", Auger Hole 2 @ 18-24", Auger Hole 2 @ 24-30", Auger Hole 2 @ 30-36", Auger Hole 2 @ 36-42", Auger Hole 3 @ 0-6", Auger Hole 3 @ 6-12", Auger Hole 4 @ 0-6", and Auger Hole 4 @ 6-12") from within the release area. The soil samples were submitted to Permian Basin Environmental Lab, LP. in Midland, Texas for determination of concentrations of BTEX using Method SW 846-8021B, TPH using Method SW 846-8015M and Chloride using Method E-300.0. The analytical results are provided as an attachment (Table 1 Concentrations of Benzene, BTEX, TPH, and Chloride in Soil).

Based on the analytical results of the soil samples collected on October 27, 2021, Etech proposes the following field activities designed to remediate the Tour Bus 23 State 503H & 504H CTB Release:

- The areas represented by sample points Auger Hole 1, Auger Hole 3, and Auger Hole 4 will be remediated in place to address any surface impact.
- The area represented by sample point Auger Hole 2, will be excavated utilizing a hydro-vac and manual methods to a depth of approximately forty-two (42) inches bgs or until excavation activities can no longer be conducted in a manner that protects the integrity of the production equipment.
- Excavated soil and hydro-vac cuttings will be stockpiled adjacent to the excavation pending disposal.
- Confirmation soil samples will be collected every two hundred (200) square feet from the base and sidewalls of the excavated area. Samples will be submitted for BTEX, TPH and chloride analysis.
- Upon receipt of analytical results below NMOCD remediation levels, Etech will backfill the excavation with locally purchased non-impacted "like" soil or caliche. In addition, impacted soil will be transported under proper manifest to an NMOCD approved disposal facility.
- Prepare and submit a "Remediation Summary and Site Closure Request" to the NMOCD.

Etech is prepared to begin the activities outlined in this Proposed Remediation Workplan upon NMOCD approval.

If you have any questions, or if additional information is required, please feel free to call me at 432-563-2200 (office) or 432-653-6248 (cell).

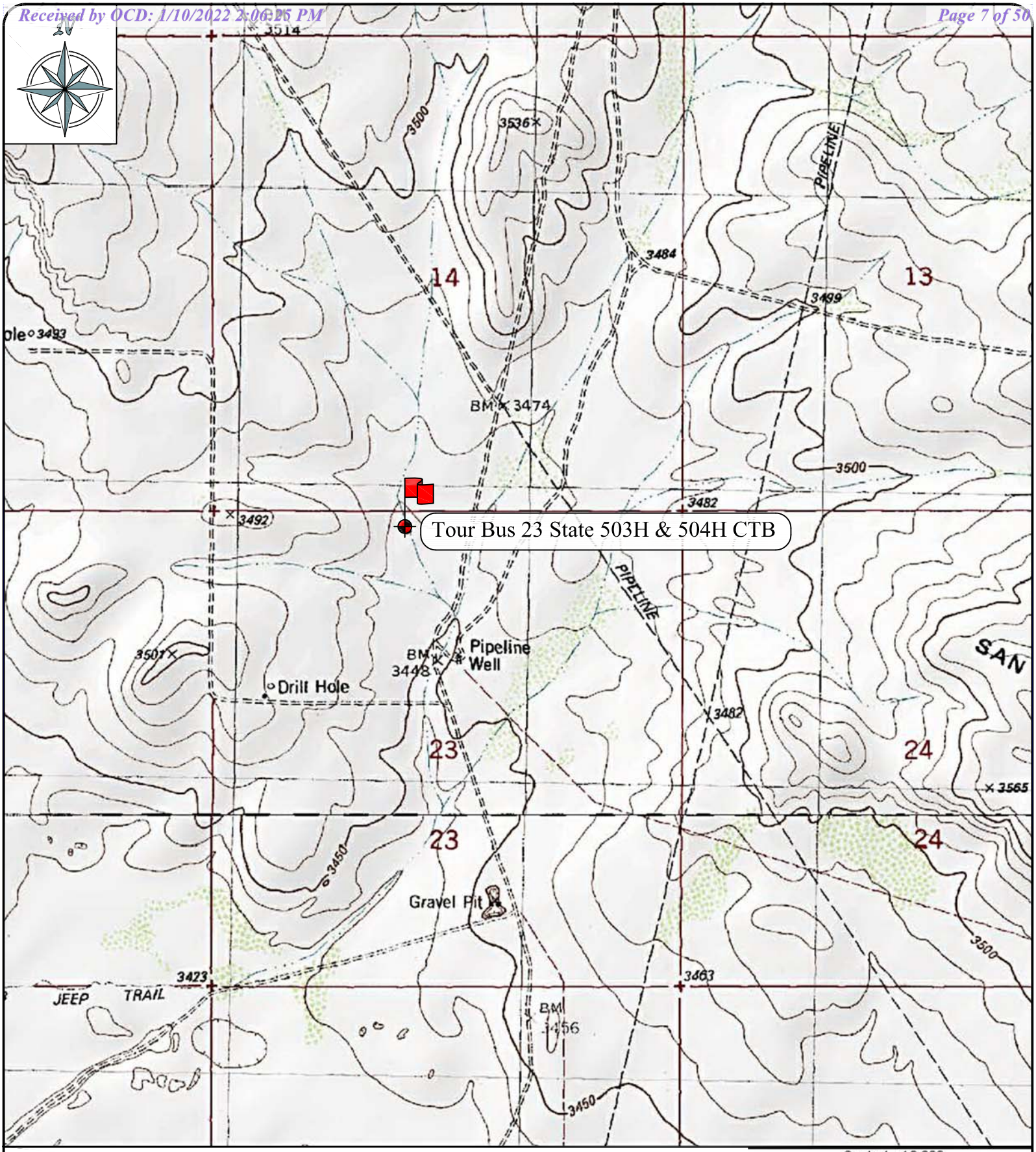
Thank you,

Wesley A. Desilets
Project Manager
Etech Environmental & Safety Solutions, Inc.

Attachments:

Figure 1 - Site Location Map
Figure 2 - Site Details and Soil Sample Location Map
Table 1 - Concentrations of Benzene, BTEX, TPH and Chloride in Soil
Photographic Documentation
Laboratory Analytical Results
Release Notification and Corrective Action (Form C-141)

cc: File



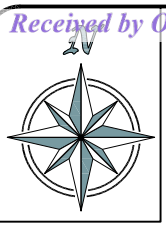
Site - Tour Bus 23 State 503H & 504H CTB
Site Location Map
Centennial Resource Development, Inc.
Lea County, NM
N 32.38390°, W 103.44223°

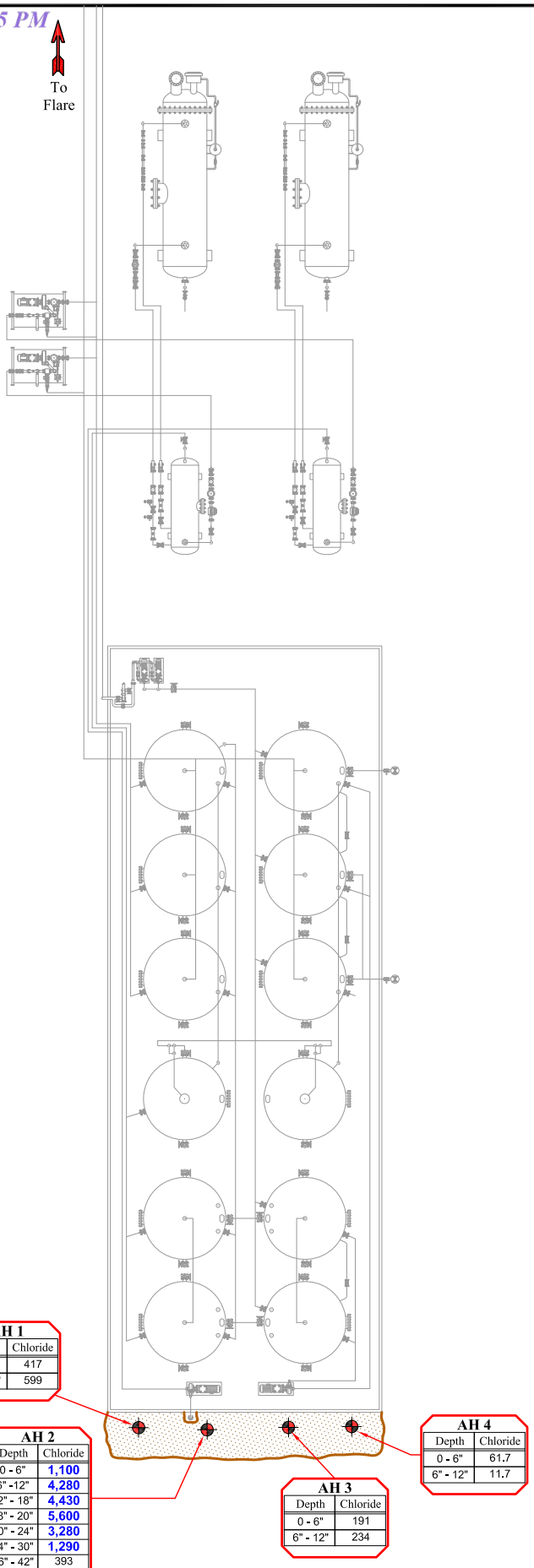
Legend
= Site Location

eTECH Environmental & Safety Solutions, Inc.

CDEV ID No.: 13401

Figure 1





Site - Tour Bus 23 State 503H & 504H CTB
Site Details & Soil Sample Location Map
Centennial Resource Development, Inc.
Lea County, NM
N 32.38390°, W 103.44223°

Legend

= Sample Locations
= Impacted Area
Bold = Chloride concentration above regulatory limits

0 30 60
Scale: 1:30 ft

eTECH Environmental & Safety Solutions, Inc.

CDEV ID No.: 13401

Figure 2

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL
DELINEATION SAMPLE RESULTS

CENTENNIAL RESOURCE DEVELOPMENT, INC.

TOUR BUS 23 STATE 503H 504H CTB FIRE RELEASE SITE

LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/Kg

SAMPLE LOCATION	SAMPLE DATE	METHODS: SW 846-8021B						METHOD: SW 8015M					E 300.0
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C_6-C_{12}	TPH DRO C_{12}-C_{28}	TPH ORO C_{28}-C_{35}	TOTAL TPH C_6-C_{35}	CHLORIDE
Limits		**10 mg/Kg**						**50 mg/Kg**				**100 mg/Kg**	**600 mg/Kg**
Auger Hole Sample Results													
Auger Hole 1 @ 0-6"	10/27/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	417
Auger Hole 1 @ 6-12"	10/27/2021	-	-	-	-	-	-	-	-	-	-	-	599
Auger Hole 2 @ 0-6"	10/27/2021	ND	ND	ND	ND	ND	ND	ND	ND	28.3	ND	28.3	**1,100**
Auger Hole 2 @ 6-12"	10/27/2021	-	-	-	-	-	-	-	-	-	-	-	**4,280**
Auger Hole 2 @ 12-18"	10/27/2021	-	-	-	-	-	-	-	-	-	-	-	**4,430**
Auger Hole 2 @ 18-24"	10/27/2021	-	-	-	-	-	-	-	-	-	-	-	**5,600**
Auger Hole 2 @ 24-30"	10/27/2021	-	-	-	-	-	-	-	-	-	-	-	**3,280**
Auger Hole 2 @ 30-36"	10/27/2021	-	-	-	-	-	-	-	-	-	-	-	**1,290**
Auger Hole 2 @ 36-42"	10/27/2021	-	-	-	-	-	-	-	-	-	-	-	393
Auger Hole 3 @ 0-6"	10/27/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	391
Auger Hole 3 @ 6-12"	10/27/2021	-	-	-	-	-	-	-	-	-	-	-	234
Auger Hole 4 @ 0-6"	10/27/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	61.7
Auger Hole 4 @ 0-6"	10/27/2021	-	-	-	-	-	-	-	-	-	-	-	11.7

Bold and Yellow Highlighted indicates Analyte Above NMOCD Regulatory Limit **"ND" denotes analyte not detected above laboratory method detection limit.** **"-" denotes analyte not analyzed.**

Project Name: *Tour Bus 23 State 503H & 504H CTB* ***Photographic Documentation***
Project No: *14335*

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

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

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

PBELAB

Analytical Report Rev. 2

Prepared for:

Tim McMinn

E Tech Environmental & Safety Solutions, Inc.

13000 West County Road 100

Odessa, TX 79765

Project: Tour Bus 23 State 503 504 CTB Fire

Project Number: 14335

Location: Lea County, NM

Lab Order Number: 1J28004

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 12/14/21

E Tech Environmental & Safety Solutions, Inc.	Project: Tour Bus 23 State 503 504 CTB Fire
13000 West County Road 100	Project Number: 14335
Odessa TX, 79765	Project Manager: Tim McMinn

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Auger Hole 1 @ 0"-6"	1J28004-01	Soil	10/27/21 11:00	10-28-2021 09:32
Auger Hole 1 @ 6"-12"	1J28004-02	Soil	10/27/21 11:02	10-28-2021 09:32
Auger Hole 2 @ 0"-6"	1J28004-03	Soil	10/27/21 11:04	10-28-2021 09:32
Auger Hole 2 @ 6"-12"	1J28004-04	Soil	10/27/21 11:06	10-28-2021 09:32
Auger Hole 2 @ 12"-18"	1J28004-05	Soil	10/27/21 11:08	10-28-2021 09:32
Auger Hole 2 @ 18"-24"	1J28004-06	Soil	10/27/21 11:10	10-28-2021 09:32
Auger Hole 2 @ 24"-30"	1J28004-07	Soil	10/27/21 11:12	10-28-2021 09:32
Auger Hole 2 @ 30"-36"	1J28004-08	Soil	10/27/21 11:14	10-28-2021 09:32
Auger Hole 2 @ 36"-42"	1J28004-09	Soil	10/27/21 11:16	10-28-2021 09:32
Auger Hole 3 @ 0"-6"	1J28004-11	Soil	10/27/21 11:20	10-28-2021 09:32
Auger Hole 3 @ 6"-12"	1J28004-12	Soil	10/27/21 11:22	10-28-2021 09:32
Auger Hole 4 @ 0"-6"	1J28004-13	Soil	10/27/21 11:24	10-28-2021 09:32
Auger Hole 4 @ 6"-12"	1J28004-14	Soil	10/27/21 11:26	10-28-2021 09:32

Auger Hole 4 was mistakenly left off of the Final report. This revised report has that sample present.

Per Client request on 12-14-21 Chloride analysis was reported for the following samples: Auger Hole 1 6-12" (1J28004-02), Auger Hole 3 6-12" (1J28004-12), Auger Hole 4 6-12" (1J28004-14). Client also requested the project name to be revised with the removal of "Flare" following the naming convention present on the COC. The revised report is attached below as well as all corresponding documentation.

E Tech Environmental & Safety Solutions, Inc.	Project: Tour Bus 23 State 503 504 CTB Fire
13000 West County Road 100	Project Number: 14335
Odessa TX, 79765	Project Manager: Tim McMinn

Auger Hole 1 @ 0''-6''

1J28004-01 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00112	mg/kg dry	1	P1J2804	10/28/21 10:45	10/29/21 04:20	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P1J2804	10/28/21 10:45	10/29/21 04:20	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P1J2804	10/28/21 10:45	10/29/21 04:20	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P1J2804	10/28/21 10:45	10/29/21 04:20	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P1J2804	10/28/21 10:45	10/29/21 04:20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*106 %*		*80-120*		*P1J2804*	*10/28/21 10:45*	*10/29/21 04:20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene	*107 %*		*80-120*		*P1J2804*	*10/28/21 10:45*	*10/29/21 04:20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**417**	1.12	mg/kg dry	1	P1J2802	10/28/21 10:28	10/28/21 20:50	EPA 300.0	
% Moisture	**11.0**	0.1	%	1	P1J2902	10/29/21 10:01	10/29/21 10:27	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	28.1	mg/kg dry	1	P1J2901	10/29/21 12:00	10/30/21 00:40	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P1J2901	10/29/21 12:00	10/30/21 00:40	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P1J2901	10/29/21 12:00	10/30/21 00:40	TPH 8015M	
Surrogate: 1-Chlorooctane	*78.2 %*		*70-130*		*P1J2901*	*10/29/21 12:00*	*10/30/21 00:40*	*TPH 8015M*	
Surrogate: o-Terphenyl	*81.6 %*		*70-130*		*P1J2901*	*10/29/21 12:00*	*10/30/21 00:40*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	10/29/21 12:00	10/30/21 00:40	calc	

E Tech Environmental & Safety Solutions, Inc.	Project: Tour Bus 23 State 503 504 CTB Fire
13000 West County Road 100	Project Number: 14335
Odessa TX, 79765	Project Manager: Tim McMinn

Auger Hole 1 @ 6"-12"

1J28004-02 (Soil)

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloride	**599**	5.56	mg/kg dry	5	P1K0102	11/01/21 10:15	11/01/21 11:40	EPA 300.0	
% Moisture	**10.0**	0.1	%	1	P1J2902	10/29/21 10:01	10/29/21 10:27	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc.	Project: Tour Bus 23 State 503 504 CTB Fire
13000 West County Road 100	Project Number: 14335
Odessa TX, 79765	Project Manager: Tim McMinn

Auger Hole 2 @ 0''-6''

1J28004-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P1J2804	10/28/21 10:45	10/29/21 05:02	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P1J2804	10/28/21 10:45	10/29/21 05:02	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P1J2804	10/28/21 10:45	10/29/21 05:02	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P1J2804	10/28/21 10:45	10/29/21 05:02	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P1J2804	10/28/21 10:45	10/29/21 05:02	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*99.5 %*		*80-120*		*P1J2804*	*10/28/21 10:45*	*10/29/21 05:02*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene	*104 %*		*80-120*		*P1J2804*	*10/28/21 10:45*	*10/29/21 05:02*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1100**	5.38	mg/kg dry	5	P1K0102	11/01/21 10:15	11/01/21 12:26	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P1J2902	10/29/21 10:01	10/29/21 10:27	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P1J2901	10/29/21 12:00	10/30/21 01:26	TPH 8015M	
>C12-C28	**28.3**	26.9	mg/kg dry	1	P1J2901	10/29/21 12:00	10/30/21 01:26	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P1J2901	10/29/21 12:00	10/30/21 01:26	TPH 8015M	
Surrogate: 1-Chlorooctane	*83.7 %*		*70-130*		*P1J2901*	*10/29/21 12:00*	*10/30/21 01:26*	*TPH 8015M*	
Surrogate: o-Terphenyl	*87.0 %*		*70-130*		*P1J2901*	*10/29/21 12:00*	*10/30/21 01:26*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**28.3**	26.9	mg/kg dry	1	[CALC]	10/29/21 12:00	10/30/21 01:26	calc	

E Tech Environmental & Safety Solutions, Inc.	Project: Tour Bus 23 State 503 504 CTB Fire
13000 West County Road 100	Project Number: 14335
Odessa TX, 79765	Project Manager: Tim McMinn

Auger Hole 2 @ 6"-12"

1J28004-04 (Soil)

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloride	**4280**	11.4	mg/kg dry	10	P1K0102	11/01/21 10:15	11/01/21 12:41	EPA 300.0	
% Moisture	**12.0**	0.1	%	1	P1J2902	10/29/21 10:01	10/29/21 10:27	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc.	Project: Tour Bus 23 State 503 504 CTB Fire
13000 West County Road 100	Project Number: 14335
Odessa TX, 79765	Project Manager: Tim McMinn

Auger Hole 2 @ 12''-18''

1J28004-05 (Soil)

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloride	**4430**	11.5	mg/kg dry	10	P1K0102	11/01/21 10:15	11/01/21 12:57	EPA 300.0	
% Moisture	**13.0**	0.1	%	1	P1J2902	10/29/21 10:01	10/29/21 10:27	ASTM D2216	

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Auger Hole 2 @ 18''-24''

1J28004-06 (Soil)

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloride	**5600**	11.2	mg/kg dry	10	P1K0102	11/01/21 10:15	11/01/21 13:12	EPA 300.0	
% Moisture	**11.0**	0.1	%	1	P1J2902	10/29/21 10:01	10/29/21 10:27	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc.	Project: Tour Bus 23 State 503 504 CTB Fire
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Odessa TX, 79765	Project Manager: Tim McMinn

Auger Hole 2 @ 24''-30''

1J28004-07 (Soil)

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloride	**3280**	11.0	mg/kg dry	10	P1K0102	11/01/21 10:15	11/01/21 13:27	EPA 300.0	
% Moisture	**9.0**	0.1	%	1	P1J2902	10/29/21 10:01	10/29/21 10:27	ASTM D2216	

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Auger Hole 2 @ 30''-36''

1J28004-08 (Soil)

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloride	**1290**	5.38	mg/kg dry	5	P1K0102	11/01/21 10:15	11/01/21 13:43	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P1J2902	10/29/21 10:01	10/29/21 10:27	ASTM D2216	

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Auger Hole 2 @ 36''-42''

1J28004-09 (Soil)

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloride	**393**	1.08	mg/kg dry	1	P1K0102	11/01/21 10:15	11/01/21 13:58	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P1J2902	10/29/21 10:01	10/29/21 10:27	ASTM D2216	

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Auger Hole 3 @ 0''-6''

1J28004-11 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00111	mg/kg dry	1	P1J2804	10/28/21 10:45	10/29/21 08:57	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P1J2804	10/28/21 10:45	10/29/21 08:57	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P1J2804	10/28/21 10:45	10/29/21 08:57	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P1J2804	10/28/21 10:45	10/29/21 08:57	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P1J2804	10/28/21 10:45	10/29/21 08:57	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		*P1J2804*	*10/28/21 10:45*	*10/29/21 08:57*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*104 %*	*80-120*		*P1J2804*	*10/28/21 10:45*	*10/29/21 08:57*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**391**	1.11	mg/kg dry	1	P1K0102	11/01/21 10:15	11/01/21 14:29	EPA 300.0	
% Moisture	**10.0**	0.1	%	1	P1J2902	10/29/21 10:01	10/29/21 10:27	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.8	mg/kg dry	1	P1K0105	11/01/21 10:00	11/01/21 20:50	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P1K0105	11/01/21 10:00	11/01/21 20:50	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P1K0105	11/01/21 10:00	11/01/21 20:50	TPH 8015M	
Surrogate: 1-Chlorooctane		*84.6 %*	*70-130*		*P1K0105*	*11/01/21 10:00*	*11/01/21 20:50*	*TPH 8015M*	
Surrogate: o-Terphenyl		*89.2 %*	*70-130*		*P1K0105*	*11/01/21 10:00*	*11/01/21 20:50*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	11/01/21 10:00	11/01/21 20:50	calc	

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Auger Hole 3 @ 6"-12"

1J28004-12 (Soil)

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloride	**234**	1.09	mg/kg dry	1	P1K0102	11/01/21 10:15	11/01/21 15:14	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P1J2902	10/29/21 10:01	10/29/21 10:27	ASTM D2216	

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Auger Hole 4 @ 0''-6''

1J28004-13 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P1J2804	10/28/21 10:45	10/29/21 09:39	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P1J2804	10/28/21 10:45	10/29/21 09:39	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P1J2804	10/28/21 10:45	10/29/21 09:39	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P1J2804	10/28/21 10:45	10/29/21 09:39	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P1J2804	10/28/21 10:45	10/29/21 09:39	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	*105 %*		*80-120*		*P1J2804*	*10/28/21 10:45*	*10/29/21 09:39*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene	*99.5 %*		*80-120*		*P1J2804*	*10/28/21 10:45*	*10/29/21 09:39*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**61.7**	1.08	mg/kg dry	1	P1K0102	11/01/21 10:15	11/01/21 16:00	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P1J2902	10/29/21 10:01	10/29/21 10:27	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P1K0105	11/01/21 10:00	11/01/21 21:37	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P1K0105	11/01/21 10:00	11/01/21 21:37	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P1K0105	11/01/21 10:00	11/01/21 21:37	TPH 8015M	
Surrogate: 1-Chlorooctane	*83.4 %*		*70-130*		*P1K0105*	*11/01/21 10:00*	*11/01/21 21:37*	*TPH 8015M*	
Surrogate: o-Terphenyl	*87.0 %*		*70-130*		*P1K0105*	*11/01/21 10:00*	*11/01/21 21:37*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	11/01/21 10:00	11/01/21 21:37	calc	

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Auger Hole 4 @ 6"-12"

1J28004-14 (Soil)

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**11.7**	1.11	mg/kg dry	1	P1K0102	11/01/21 10:15	11/01/21 16:16	EPA 300.0	
% Moisture	**10.0**	0.1	%	1	P1J2902	10/29/21 10:01	10/29/21 10:27	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc.	Project: Tour Bus 23 State 503 504 CTB Fire
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Odessa TX, 79765	Project Manager: Tim McMinn

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 P1J2804 - * DEFAULT PREP *** **										
Blank (P1J2804-BLK1)				Prepared: 10/28/21 Analyzed: 10/29/21						
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	*0.126*		*"*	*0.122*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.121*		*"*	*0.122*		*99.7*	*80-120*			
LCS (P1J2804-BS1)				Prepared: 10/28/21 Analyzed: 10/29/21						
Benzene	0.0936	0.00100	mg/kg wet	0.0949		98.7	70-130			
Toluene	0.0921	0.00100	"	0.0949		97.1	70-130			
Ethylbenzene	0.0995	0.00100	"	0.0949		105	70-130			
Xylene (p/m)	0.199	0.00200	"	0.190		105	70-130			
Xylene (o)	0.0876	0.00100	"	0.0949		92.4	70-130			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.114*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.114*		*99.0*	*80-120*			
LCS Dup (P1J2804-BSD1)				Prepared: 10/28/21 Analyzed: 10/29/21						
Benzene	0.0967	0.00100	mg/kg wet	0.0982		98.4	70-130	0.233	20	
Toluene	0.0951	0.00100	"	0.0982		96.8	70-130	0.289	20	
Ethylbenzene	0.103	0.00100	"	0.0982		104	70-130	0.392	20	
Xylene (p/m)	0.206	0.00200	"	0.196		105	70-130	0.238	20	
Xylene (o)	0.0913	0.00100	"	0.0982		93.0	70-130	0.669	20	
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.118*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.118*		*"*	*0.118*		*100*	*80-120*			
Calibration Blank (P1J2804-CCB1)				Prepared: 10/28/21 Analyzed: 10/29/21						
Benzene	0.00		mg/kg wet							
Toluene	0.490		"							
Ethylbenzene	0.290		"							
Xylene (p/m)	0.470		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.116*		*"*	*0.120*		*97.0*	*80-120*			

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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 P1J2804 - * DEFAULT PREP *** **										
Calibration Blank (P1J2804-CCB2)				Prepared: 10/28/21 Analyzed: 10/29/21						
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.126*		"	*0.120*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.118*		"	*0.120*		*98.5*	*80-120*			
Calibration Blank (P1J2804-CCB3)				Prepared: 10/28/21 Analyzed: 10/29/21						
Benzene	0.00		mg/kg wet							
Toluene	0.380		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.380		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.126*		"	*0.120*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.124*		"	*0.120*		*103*	*80-120*			
Calibration Check (P1J2804-CCV1)				Prepared: 10/28/21 Analyzed: 10/29/21						
Benzene	0.0994	0.00100	mg/kg wet	0.100		99.4	80-120			
Toluene	0.0988	0.00100	"	0.100		98.8	80-120			
Ethylbenzene	0.0986	0.00100	"	0.100		98.6	80-120			
Xylene (p/m)	0.213	0.00200	"	0.200		106	80-120			
Xylene (o)	0.0961	0.00100	"	0.100		96.1	80-120			
Surrogate: 1,4-Difluorobenzene	*0.122*		"	*0.120*		*102*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.113*		"	*0.120*		*94.1*	*75-125*			
Calibration Check (P1J2804-CCV2)				Prepared: 10/28/21 Analyzed: 10/29/21						
Benzene	0.111	0.00100	mg/kg wet	0.100		111	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.233	0.00200	"	0.200		116	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	*0.124*		"	*0.120*		*103*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.126*		"	*0.120*		*105*	*75-125*			

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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 P1J2804 - * DEFAULT PREP *** **										
Calibration Check (P1J2804-CCV3)				Prepared: 10/28/21 Analyzed: 10/29/21						
Benzene	0.111	0.00100	mg/kg wet	0.100		111	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.233	0.00200	"	0.200		116	80-120			
Xylene (o)	0.111	0.00100	"	0.100		111	80-120			
Surrogate: 1,4-Difluorobenzene	*0.127*		"	*0.120*		*106*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.126*		"	*0.120*		*105*	*75-125*			
Matrix Spike (P1J2804-MS1)		**Source: 1J28002-01**		Prepared: 10/28/21 Analyzed: 10/29/21						
Benzene	0.0547	0.00103	mg/kg dry	0.103	0.00809	45.3	80-120			QM-07
Toluene	0.271	0.00103	"	0.103	1.09	NR	80-120			QM-07
Ethylbenzene	0.212	0.00103	"	0.103	0.690	NR	80-120			QM-07
Xylene (p/m)	1.93	0.00206	"	0.206	10.5	NR	80-120			QM-07
Xylene (o)	0.511	0.00103	"	0.103	2.46	NR	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	*0.132*		"	*0.123*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.464*		"	*0.123*		*376*	*80-120*			*S-GC*
Matrix Spike Dup (P1J2804-MSD1)		**Source: 1J28002-01**		Prepared: 10/28/21 Analyzed: 10/29/21						
Benzene	0.0542	0.00103	mg/kg dry	0.104	0.00809	44.5	80-120	1.93	20	QM-07
Toluene	0.187	0.00103	"	0.104	1.09	NR	80-120	NR	20	QM-07
Ethylbenzene	0.145	0.00103	"	0.104	0.690	NR	80-120	NR	20	QM-07
Xylene (p/m)	1.41	0.00206	"	0.207	10.5	NR	80-120	NR	20	QM-07
Xylene (o)	0.354	0.00103	"	0.104	2.46	NR	80-120	NR	20	QM-07
Surrogate: 4-Bromofluorobenzene	*0.0843*		"	*0.124*		*67.7*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.149*		"	*0.124*		*120*	*80-120*			

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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 P1J2802 - * DEFAULT PREP *** **										
Blank (P1J2802-BLK1)				Prepared & Analyzed: 10/28/21						
Chloride	ND	1.00	mg/kg wet							
LCS (P1J2802-BS1)				Prepared & Analyzed: 10/28/21						
Chloride	433	1.00	mg/kg wet	400		108	90-110			
LCS Dup (P1J2802-BSD1)				Prepared & Analyzed: 10/28/21						
Chloride	433	1.00	mg/kg wet	400		108	90-110	0.0670	10	
Calibration Blank (P1J2802-CCB1)				Prepared & Analyzed: 10/28/21						
Chloride	0.00		mg/kg wet							
Calibration Blank (P1J2802-CCB2)				Prepared & Analyzed: 10/28/21						
Chloride	0.00		mg/kg wet							
Calibration Check (P1J2802-CCV1)				Prepared & Analyzed: 10/28/21						
Chloride	21.0		mg/kg	20.0		105	90-110			
Calibration Check (P1J2802-CCV2)				Prepared & Analyzed: 10/28/21						
Chloride	21.1		mg/kg	20.0		105	90-110			
Calibration Check (P1J2802-CCV3)				Prepared & Analyzed: 10/28/21						
Chloride	21.2		mg/kg	20.0		106	90-110			
Matrix Spike (P1J2802-MS1)		**Source: 1J28003-01**		Prepared & Analyzed: 10/28/21						
Chloride	45300	104	mg/kg dry	10400	34900	99.7	80-120			
Matrix Spike (P1J2802-MS2)		**Source: 1J28006-04**		Prepared & Analyzed: 10/28/21						
Chloride	887	1.14	mg/kg dry	568	415	83.0	80-120			

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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 P1J2802 - * DEFAULT PREP *** **										
Matrix Spike Dup (P1J2802-MSD1)	**Source: 1J28003-01**			Prepared & Analyzed: 10/28/21						
Chloride	45300	104	mg/kg dry	10400	34900	99.6	80-120	0.0161	20	
Matrix Spike Dup (P1J2802-MSD2)	**Source: 1J28006-04**			Prepared & Analyzed: 10/28/21						
Chloride	811	1.14	mg/kg dry	568	415	69.7	80-120	8.89	20	QM-07
Batch P1J2902 - * DEFAULT PREP *** **										
Blank (P1J2902-BLK1)				Prepared & Analyzed: 10/29/21						
% Moisture	ND	0.1	%							
Duplicate (P1J2902-DUP1)	**Source: 1J28004-02**			Prepared & Analyzed: 10/29/21						
% Moisture	10.0	0.1	%		10.0			0.00	20	
Duplicate (P1J2902-DUP2)	**Source: 1J28004-12**			Prepared & Analyzed: 10/29/21						
% Moisture	8.0	0.1	%		8.0			0.00	20	
Batch P1K0102 - * DEFAULT PREP *** **										
Blank (P1K0102-BLK1)				Prepared & Analyzed: 11/01/21						
Chloride	ND	1.00	mg/kg wet							
LCS (P1K0102-BS1)				Prepared & Analyzed: 11/01/21						
Chloride	391	1.00	mg/kg wet	400		97.7	90-110			
LCS Dup (P1K0102-BSD1)				Prepared & Analyzed: 11/01/21						
Chloride	390	1.00	mg/kg wet	400		97.6	90-110	0.141	10	

E Tech Environmental & Safety Solutions, Inc.	Project: Tour Bus 23 State 503 504 CTB Fire
13000 West County Road 100	Project Number: 14335
Odessa TX, 79765	Project Manager: Tim McMinn

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 P1K0102 - * DEFAULT PREP *** **										
Calibration Blank (P1K0102-CCB1)				Prepared & Analyzed: 11/01/21						
Chloride	-0.0720		mg/kg wet							
Calibration Blank (P1K0102-CCB2)				Prepared & Analyzed: 11/01/21						
Chloride	-0.0800		mg/kg wet							
Calibration Check (P1K0102-CCV1)				Prepared & Analyzed: 11/01/21						
Chloride	19.8		mg/kg	20.0		98.9	90-110			
Calibration Check (P1K0102-CCV2)				Prepared & Analyzed: 11/01/21						
Chloride	20.3		mg/kg	20.0		102	90-110			
Matrix Spike (P1K0102-MS1)		**Source: 1J28004-02**		Prepared & Analyzed: 11/01/21						
Chloride	1140	5.56	mg/kg dry	556	599	97.8	80-120			
Matrix Spike (P1K0102-MS2)		**Source: 1J28004-12**		Prepared & Analyzed: 11/01/21						
Chloride	727	1.09	mg/kg dry	543	234	90.8	80-120			
Matrix Spike Dup (P1K0102-MSD1)		**Source: 1J28004-02**		Prepared & Analyzed: 11/01/21						
Chloride	1130	5.56	mg/kg dry	556	599	95.1	80-120	1.32	20	
Matrix Spike Dup (P1K0102-MSD2)		**Source: 1J28004-12**		Prepared & Analyzed: 11/01/21						
Chloride	721	1.09	mg/kg dry	543	234	89.6	80-120	0.867	20	

E Tech Environmental & Safety Solutions, Inc.	Project: Tour Bus 23 State 503 504 CTB Fire
13000 West County Road 100	Project Number: 14335
Odessa TX, 79765	Project Manager: Tim McMinn

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - 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 P1J2901 - TX 1005										
Blank (P1J2901-BLK1)				Prepared & Analyzed: 10/29/21						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*102*		*"*	*100*		*102*	*70-130*			
Surrogate: o-Terphenyl	*52.7*		*"*	*50.0*		*105*	*70-130*			
LCS (P1J2901-BS1)				Prepared & Analyzed: 10/29/21						
C6-C12	1040	25.0	mg/kg wet	1000		104	75-125			
>C12-C28	1030	25.0	"	1000		103	75-125			
Surrogate: 1-Chlorooctane	*108*		*"*	*100*		*108*	*70-130*			
Surrogate: o-Terphenyl	*59.7*		*"*	*50.0*		*119*	*70-130*			
LCS Dup (P1J2901-BSD1)				Prepared & Analyzed: 10/29/21						
C6-C12	1060	25.0	mg/kg wet	1000		106	75-125	1.49	20	
>C12-C28	1040	25.0	"	1000		104	75-125	0.833	20	
Surrogate: 1-Chlorooctane	*110*		*"*	*100*		*110*	*70-130*			
Surrogate: o-Terphenyl	*57.8*		*"*	*50.0*		*116*	*70-130*			
Calibration Check (P1J2901-CCV1)				Prepared & Analyzed: 10/29/21						
C6-C12	526	25.0	mg/kg wet	500		105	85-115			
>C12-C28	527	25.0	"	500		105	85-115			
Surrogate: 1-Chlorooctane	*124*		*"*	*100*		*124*	*70-130*			
Surrogate: o-Terphenyl	*56.0*		*"*	*50.0*		*112*	*70-130*			
Calibration Check (P1J2901-CCV2)				Prepared & Analyzed: 10/29/21						
C6-C12	454	25.0	mg/kg wet	500		90.8	85-115			
>C12-C28	435	25.0	"	500		87.1	85-115			
Surrogate: 1-Chlorooctane	*108*		*"*	*100*		*108*	*70-130*			
Surrogate: o-Terphenyl	*47.8*		*"*	*50.0*		*95.6*	*70-130*			

E Tech Environmental & Safety Solutions, Inc.	Project: Tour Bus 23 State 503 504 CTB Fire
13000 West County Road 100	Project Number: 14335
Odessa TX, 79765	Project Manager: Tim McMinn

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - 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 P1J2901 - TX 1005										
Calibration Check (P1J2901-CCV3)				Prepared: 10/29/21 Analyzed: 10/30/21						
C6-C12	439	25.0	mg/kg wet	500		87.8	85-115			
>C12-C28	430	25.0	"	500		86.0	85-115			
Surrogate: 1-Chlorooctane	*77.5*		*"*	*100*		*77.5*	*70-130*			
Surrogate: o-Terphenyl	*41.1*		*"*	*50.0*		*82.1*	*70-130*			
Matrix Spike (P1J2901-MS1)		**Source: 1J28004-06**		Prepared: 10/29/21 Analyzed: 10/30/21						
C6-C12	924	28.1	mg/kg dry	1120	18.1	80.7	75-125			
>C12-C28	929	28.1	"	1120	19.2	81.0	75-125			
Surrogate: 1-Chlorooctane	*129*		*"*	*112*		*115*	*70-130*			
Surrogate: o-Terphenyl	*49.9*		*"*	*56.2*		*88.9*	*70-130*			
Matrix Spike Dup (P1J2901-MSD1)		**Source: 1J28004-06**		Prepared: 10/29/21 Analyzed: 10/30/21						
C6-C12	848	28.1	mg/kg dry	1120	18.1	73.8	75-125	8.82	20	QM-05
>C12-C28	864	28.1	"	1120	19.2	75.2	75-125	7.40	20	
Surrogate: 1-Chlorooctane	*122*		*"*	*112*		*109*	*70-130*			
Surrogate: o-Terphenyl	*46.7*		*"*	*56.2*		*83.0*	*70-130*			
Batch P1K0105 - TX 1005										
Blank (P1K0105-BLK1)				Prepared & Analyzed: 11/01/21						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*84.8*		*"*	*100*		*84.8*	*70-130*			
Surrogate: o-Terphenyl	*45.3*		*"*	*50.0*		*90.6*	*70-130*			
LCS (P1K0105-BS1)				Prepared & Analyzed: 11/01/21						
C6-C12	954	25.0	mg/kg wet	1000		95.4	75-125			
>C12-C28	863	25.0	"	1000		86.3	75-125			
Surrogate: 1-Chlorooctane	*123*		*"*	*100*		*123*	*70-130*			
Surrogate: o-Terphenyl	*47.9*		*"*	*50.0*		*95.8*	*70-130*			

E Tech Environmental & Safety Solutions, Inc.	Project: Tour Bus 23 State 503 504 CTB Fire
13000 West County Road 100	Project Number: 14335
Odessa TX, 79765	Project Manager: Tim McMinn

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - 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 P1K0105 - TX 1005										
LCS Dup (P1K0105-BSD1)				Prepared & Analyzed: 11/01/21						
C6-C12	978	25.0	mg/kg wet	1000		97.8	75-125	2.50	20	
>C12-C28	888	25.0	"	1000		88.8	75-125	2.89	20	
Surrogate: 1-Chlorooctane	*129*		*"*	*100*		*129*	*70-130*			
Surrogate: o-Terphenyl	*52.4*		*"*	*50.0*		*105*	*70-130*			
Calibration Check (P1K0105-CCV1)				Prepared & Analyzed: 11/01/21						
C6-C12	496	25.0	mg/kg wet	500		99.3	85-115			
>C12-C28	441	25.0	"	500		88.2	85-115			
Surrogate: 1-Chlorooctane	*108*		*"*	*100*		*108*	*70-130*			
Surrogate: o-Terphenyl	*45.8*		*"*	*50.0*		*91.6*	*70-130*			
Calibration Check (P1K0105-CCV2)				Prepared & Analyzed: 11/01/21						
C6-C12	475	25.0	mg/kg wet	500		95.0	85-115			
>C12-C28	428	25.0	"	500		85.6	85-115			
Surrogate: 1-Chlorooctane	*101*		*"*	*100*		*101*	*70-130*			
Surrogate: o-Terphenyl	*43.4*		*"*	*50.0*		*86.8*	*70-130*			
Calibration Check (P1K0105-CCV3)				Prepared: 11/01/21 Analyzed: 11/02/21						
C6-C12	470	25.0	mg/kg wet	500		94.0	85-115			
>C12-C28	430	25.0	"	500		86.1	85-115			
Surrogate: 1-Chlorooctane	*99.6*		*"*	*100*		*99.6*	*70-130*			
Surrogate: o-Terphenyl	*43.3*		*"*	*50.0*		*86.5*	*70-130*			
Matrix Spike (P1K0105-MS1)	**Source: 1J28009-07**			Prepared: 11/01/21 Analyzed: 11/02/21						
C6-C12	944	25.8	mg/kg dry	1030	17.1	89.9	75-125			
>C12-C28	868	25.8	"	1030	ND	84.2	75-125			
Surrogate: 1-Chlorooctane	*116*		*"*	*103*		*113*	*70-130*			
Surrogate: o-Terphenyl	*46.4*		*"*	*51.5*		*89.9*	*70-130*			

E Tech Environmental & Safety Solutions, Inc.	Project: Tour Bus 23 State 503 504 CTB Fire
13000 West County Road 100	Project Number: 14335
Odessa TX, 79765	Project Manager: Tim McMinn

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - 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 P1K0105 - TX 1005										
Matrix Spike Dup (P1K0105-MSD1)	**Source: 1J28009-07**			Prepared: 11/01/21 Analyzed: 11/02/21						
C6-C12	914	25.8	mg/kg dry	1030	17.1	87.0	75-125	3.31	20	
>C12-C28	851	25.8	"	1030	ND	82.5	75-125	1.97	20	
Surrogate: 1-Chlorooctane	*126*		*"*	*103*		*122*	*70-130*			
Surrogate: o-Terphenyl	*45.9*		*"*	*51.5*		*89.0*	*70-130*			

E Tech Environmental & Safety Solutions, Inc.	Project: Tour Bus 23 State 503 504 CTB Fire
13000 West County Road 100	Project Number: 14335
Odessa TX, 79765	Project Manager: Tim McMinn

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
ROI	Received on Ice
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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 may be biased low in the nC6-C12 TPH Range
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 12/14/2021

Brent Barron, Laboratory Director/Technical Director

E Tech Environmental & Safety Solutions, Inc.	Project: Tour Bus 23 State 503 504 CTB Fire
13000 West County Road 100	Project Number: 14335
Odessa TX, 79765	Project Manager: Tim McMinn

1 of 2

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin Hwy
Midland, Texas 79701

Phone: 432-686-7235

Project Manager: Tim McMinn
Company Name: Etech Environmental & Safety Solutions
Company Address: 13000 WCR 100
City/State/Zip: Odessa TX7 79765

Project Name: Tour Bus 23 State 503 504 CTB Fire
Project #: 14335
Project Loc: Lea County NM
PO #: 13401

Telephone No: 432-563-2200
Fax No:
Sampler Signature: JG for AD
e-mail:

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 1J28004

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1 8015M	TOTAL: TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B 5030 or BTEX 8260	RCI	N.O.R.M.	Solids, Dry Weight	Chlorides	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	Auger Hole 1	0"	6"	10/27/2021	11:00		1	x								S														X
2	Auger Hole 1	6"	12"		11:02		1	x								S														
3	Auger Hole 2	0"	6"		11:04		1	x								S														
4	Auger Hole 2	6"	12"		11:06		1	x								S														
5	Auger Hole 2	12"	18"		11:08		1	x								S														
6	Auger Hole 2	18"	24"		11:10		1	x								S														
7	Auger Hole 2	24"	30"		11:12		1	x								S														
8	Auger Hole 2	30"	36"		11:14		1	x								S														
9	Auger Hole 2	36"	42"		11:16		1	x								S														
10	Auger Hole 2	42"	48"		11:18		1	x								S														

Special Instructions: Run each interval until below 600mg/kg chlorides, 100 mg/kg TPH, 10 mg/kg benzene, 50 mg/kg BTEX

Relinquished by:	Date	Time	Received by:	Date	Time
	10/28/21	8:50			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBELab:	10/28/21	8:50

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered by Sampler/Client Rep. ?	Y	N
Temperature Upon Receipt: Received: 13.1 °C Adjusted: 14.1 °C Factor CF+1.2		

2 of 2

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin Hwy
Midland, Texas 79701
Phone: 432-686-7235

Project Manager: Tim McMinn
Company Name: Etech Environmental & Safety Solutions
Company Address: 13000 WCR 100
City/State/Zip: Odessa TX7 79765

Project Name: Tour Bus 23 State 503 504 CTB Fire
Project #: 14335
Project Loc: Lea County NM
PO #: 13401

Telephone No: 432-563-2200
Fax No:
Sampler Signature: JL for AD
e-mail:

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 1J28004

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1	TPH: 8015B	TPH: TX 1005	TPH: TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B 5030 or BTEX 8260	RCI	N.O.R.M.	Solids, Dry Weight	Chloride	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
11	Auger Hole 3	0"	6"	10/27/2021	11:20		1	x								S																
12	Auger Hole 3	6"	12"		11:22		1	x								S																
13	Auger Hole 4	0"	6"		11:24		1	x								S																
14	Auger Hole 4	6"	12"		11:26		1	x								S																
15	Auger Hole 4	12"	18"		11:28		1	x								S																

Special Instructions: Run each interval until below 600 mg/kg chlorides, 100 mg/kg TPH, 10 mg/kg benzene, 50 mg/kg BTEX

Relinquished by:	Date	Time	Received by:	Date	Time
	10/28/21	8:50			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				10/28/21	8:50

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered by Sampler/Client Rep. ?	Y	N
Temperature Upon Receipt: Received: 13.1 °C Adjusted: 14.1 °C Factor +1.2		

PBELAB

Sample Receipt Checklist

Yes		Notes
✓	Chain of custody present?	
✓	Chain of custody signed/dated/time when relinquished and received?	
✓	Sample date/time present on COC for all samples?	
✓	Samplers name present on COC?	
✓	Chain of Custody agrees with sample labels?	
✓	Sample containers intact?	
✓	Custody seals intact on sample bottles?	
✓	Samples in proper container/bottle?	
✓	Sufficient sample volume for indicated test?	
✓	All samples received within holding time?	
X	Samples received within appropriate temp?	14.1
✓	Analysis requested for all samples submitted?	
	Shipping container/cooler in good condition?	N/A
	Custody seals intact on shipping container/cooler?	N/A

Login Notes:
4oz Jars 1J28004

PBELAB

SAMPLE VARIANCE/NON-CONFORMANCE

Variance/Discrepancy:
temp 14.1 on ice

Resolution:

Client Contacted No
Name:
Date/Time:

NC Initiated by: TB Approved by:

PBEL_SAMPLE_CHECKLIST_2021_1

PBELAB

DOC #: PBEL_REV_SUBMISSION
REVISION #: PBEL_2021_1
REVISION Date: 10/29/2021
EFFECTIVE DATE: 10/29/2021

REVISION/SUBMISSION FORM

Please fill in the required fields below with any requested revisions. In the event that there are multiple workorders or projects to be amended each workorder or project MUST have a separate form filled out entirely. An amended COC must be submitted in addition to the Revision/Submission Form in order for the amendments to be processed. Amended COC's do not replace the requirement of this form. If a revision is required due to errors or omissions on our part this form is still required for the necessary Non-Conformance documentation. Rerun requests will incur additional charges.

Client: Centennial / Etech

Project # 14335

Project: Tour Bus 23 State 503 504 CTB Fire

Lab Order Number: 1J28004

Revision Request:

Need Auger Hole 1 @ 6-12" interval Chloride concentrations, as well as Auger Hole 3 @ 6-12" interval Chloride Concentrations, and Auger Hole 4 @ 6-12" interval Chloride concentrations on report.

Submitted by (Name and Date): Wesley Desilets 12/14/21

Gmail

Sara Gotcher <sara@pbelab.com>

Lab Order Number: 1J28004

2 messages

Wesley Desilets <Wesley@etechenv.com> Tue, Dec 14, 2021 at 10:13 AM
To: Brent Barron <BrentBarron@pbelab.com>
Cc: Sara Gotcher <sara@pbelab.com>, Tressa bledsoe <tressa@pbelab.com>

Good Morning!

Attached is a revision submission form for Lab Order Number: 1J28004, we need the 6-12” interval chlorides for Auger Hole 1, 3 and 4 on the report. Please remove the word “Flare” from the name of the site on the report as well.

Thank You!

Wesley A. Desilets

Etech Environmental & Safety Solutions, Inc.

P.O. Box 62228

Midland, Texas 79711

Phone: 432-563-2200

Cell: 432-653-6248

Fax: 432-563-2213

E-mail: Wesley@etechenv.com

3 attachments

Lab Order Number 1J28004 Revision Submission Form PDF.pdf
240K

1J28004 PBELSTD_TNI21_R1 FINAL 11 02 21 1609.pdf
610K

1J28004 PBELSummary RECREATE 11 02 21 1609.pdf

89K

Sara Gotcher <sara@pbelab.com> Tue, Dec 14, 2021 at 10:17 AM
To: Wesley Desilets <Wesley@etechenv.com>
Cc: Brent Barron <BrentBarron@pbelab.com>, Tressa bledsoe <tressa@pbelab.com>

Thanks Wesley I'll get it going!
[Quoted text hidden]
--
Sara Gotcher
Senior Chemist
432-686-7235
sara@pbelab.com

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	nAPP2116049360
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Centennial Resource Production, Inc	OGRID: 372165
Contact Name: Jamon Hohensee	Contact Telephone: 432-241-4283
Contact email: jamon.hohensee@cdevinc.com	Incident # nAPP2116049360
Contact mailing address: 500 W. Illinois Ave, Suite 500, Midland Texas 79705	

Location of Release Source

Latitude 32.38390 Longitude -103.44223
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Tour Bus 503 504 CTB	Site Type: Production Facility
Date Release Discovered: 6/8/21	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
C	23	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 Released (bbls).05	Volume Recovered (bbls)0
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:
A transfer pump did not shut off automatically and began to pull a skim oil and then ran dry. This caused excessive heat and resulted in a fire. The fire was small and affected the transfer pump and containment that was near. No tanks caught on fire. The lease operator was able to put out the fire with one fire extinguisher. Only a small amount of oil was burned, .05bbls. This was calculated from the amount that was inside the piping and transfer pump.

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? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Fire on location
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Jamon Hohensee emailed Emily Hernandez on 6/9/21	

Initial Response

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

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Jamon Hohensee Title: Sr. Environmental Analyst

Signature: Jamon Hohensee Date: 6-16-21

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

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?	☐ Yes ☐ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☐ No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

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Remediation Plan

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

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 71373

CONDITIONS

Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 71373
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	Closure report due 05/02/2022	2/1/2022