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	NRM2019529311
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Latitude 32.38346_____ Longitude -103.44822_____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Tour Bus 23 State 301H 501H 601H	Site Type: Production Facility
Date Release Discovered: 6/16/20	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
D	23	22S	34E	Lea

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

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)40bbls	Volume Recovered (bbls)40bbls
☒ Produced Water	Volume Released (bbls) 400bbls	Volume Recovered (bbls) 395bbls
	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
The water tank overflowed due to a check valve failure on the disposal line. Approximately 400bbls of pw (395bbls recovered in containment) and 40bbls of oil (40bbls recovered in containment) were released during the incident. The 5bbls of unrecovered fluid remained on the facility location and will be remediated to OCD standards. The disposal line has been repaired. A 3rd party environmental contractor has been hired to remediate the site. The volumes release were calculated using the size of the containment and a formula using the dimensions of the spill area and soil porosity.

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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? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? >25bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notification was given to Jim Griswold and OCD Dist1 by email on 6/17/20.	

Initial Response

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

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

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

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

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

Printed Name: Jamon Hohensee Title: Sr. Environmental Analyst

Signature: Jamon Hohensee Date: 7/1/20

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

OCD Only

Received by: Ramona Marcus Date: 7/13/2020

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State of New Mexico
Oil Conservation Division

Incident ID	NRM2019529311
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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	17 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

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Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NRM2019529311
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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: Jamon Hohensee Title: Sr. Environmental Analyst

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

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

OCD Only

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

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State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: Jamon Hohenseee Title: Sr. Environmental Analyst

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

email: jamon.hohenseee@edenrinc.com Telephone: 432-241-4283

OCD Only

Received by: _____ Date: _____

- [ ] Approved
- [ ] Approved with Attached Conditions of Approval
- [ ] Denied
- [ ] Deferral Approved

Signature: _____ Date: _____

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State of New Mexico
Oil Conservation Division

Incident ID	NRM2019529311
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☒ Description of remediation activities

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

Printed Name: Jamon Hohensee Title: Sr. Environmental Analyst

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

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

OCD Only

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

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

Closure Approved by: Date: 06/30/2021

Printed Name: Cristina Eads Title: Environmental Specialist

CLOSURE REQUEST AND REMEDIATION SUMMARY REPORT

Centennial Resource Development, Inc.
Tour Bus 23 State 301H 501H 601H
Lea County, New Mexico
Unit Letter "D", Section 23, Township 22 South, Range 34 East
Latitude 32.38346° North, Longitude 103.44822° West
NMOCD Incident ID#: NRM2019529311

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

February 2021

Shannon M. English, P.G.
Project Manager

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

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APPENDICES

INTRODUCTION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Centennial Resource Development, Inc. (Centennial) has prepared this Closure Request and Remediation Summary Report for the Release Site known as Tour Bus 23 State 301H 501H 601H. The legal description of the Release Site is Unit Letter "D", Section 23, Township 22 South, Range 34 East, in Lea County, New Mexico. The Release Site GPS coordinates are 32.38346º North and 103.44822º West. Please reference Figure 1 for the Site Location Map and Figure 2 for the Site Details and Confirmation Soil Sample Map.

On June 16, 2020, a release was discovered by Centennial at the Tour Bus 23 State 301H 501H 601H Site. The release was the result of a mechanical failure on the check valve on the disposal line which caused the tanks to overflow. Approximately forty (40) barrels of crude oil were released with forty (40) barrels recovered, resulting in a net loss of approximately zero (0) barrels of crude oil. Approximately 400 barrels of produced water were released with 395 barrels recovered, resulting in a net loss of five (5) barrels of produced water. On July 1, 2020, 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 Tour Bus 502 601 301 Check Valve Site. A further search of the USGS database identified the closest registered water well is USGS Well #: 322231103262601 located approximately a half (0.5) 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). 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 Tour Bus 23 State 301H 501H 601H Release Site as a result of this criterion. Based on insufficient groundwater data, the soil remediation levels for this site 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 June 29, 2020, Etech was assigned management responsibilities for soil sampling, site restoration, and reporting activities by Centennial.

On July 7th-10th, and 20th 2020, Etech conducted excavation activities. Following excavation activities, four (4) composite bottom hole soil samples (BH-1 @ 1' through BH-4 @ 1') and one (1) composite stockpile sample (Stockpile) was collected from the stockpiled material. Soil samples were submitted to Permian Basin Environmental Lab, L.P. (PBELAB) in Midland, Texas to be and analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX) using EPA Method SW 846-8021B, Total Petroleum Hydrocarbons (TPH) using EPA Method SW 846-8015M, and chloride using EPA Method E 300.0. A review of laboratory analytical results indicated all collected soil samples were below applicable NMOCD limits and/or laboratory method detection limits with the exception of composite soil sample Stockpile, which exhibited TPH concentrations above NMOCD limits. Please reference Figure 2 for site details and soil sampling locations.

On July 29, 2020, following further remediation activities, one (1) composite soil sample (Stockpile) was collected from the stockpiled material and submitted to PBELAB for TPH analysis. Laboratory analytical results indicated TPH concentrations were above NMOCD limits. Please reference Figure 2 for site details and soil sampling locations.

On August 21, 2020, ten (10) composite sidewall soil samples (NSW @ 6", SSW @ 6", ESW-1 @ 6" through ESW-4 @ 6", and WSW-1 @ 6" through WSW-4 @ 6") were collected from the sidewalls of the excavated area. Samples were submitted to PBELAB for TPH, BTEX, and chloride analysis. Composite sidewall soil samples NSW @ 6", ESW-1 @ 6", and WSW-1 @ 6" were above NMOCD limits for TPH. Composite sidewall soil samples ESW-3 @ 6" and WSW-3 @ 6" exhibited chloride concentrations above NMOCD limits. Please reference Figure 2 for site details and soil sampling locations.

On September 22, 2020, following the additional excavation activities, five (5) additional composite sidewall soil samples (NSW @ 6", ESW-1 @ 6", ESW-3 @ 6", WSW-1 @ 6", and WSW-3 @ 6") were collected from the excavated area. Additionally, one (1) composite stockpile sample (Stockpile 2) was collected from the stockpiled material. Soil samples were submitted to PBELAB and analyzed for BTEX, and/or TPH, and/or chloride concentrations. A review of laboratory analytical results indicated all collected soil samples were below applicable NMOCD limits and/or laboratory method detection limits with the exception of composite stockpile sample Stockpile 2 which exhibited TPH concentrations above NMOCD limits. Please reference Figure 2 for site details and soil sampling locations. Based on laboratory analytical data, the stockpiled excavated material required disposal at a NMOCD permitted facility.

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 11-12, and November 12, 2020, Etech, on behalf of Centennial, transported approximately 234 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 November 12, 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.

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 Tour Bus 23 State 301H 501H 601H Release Site (NMOCD Incident ID#: NRM2019529311).

LIMITATIONS

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

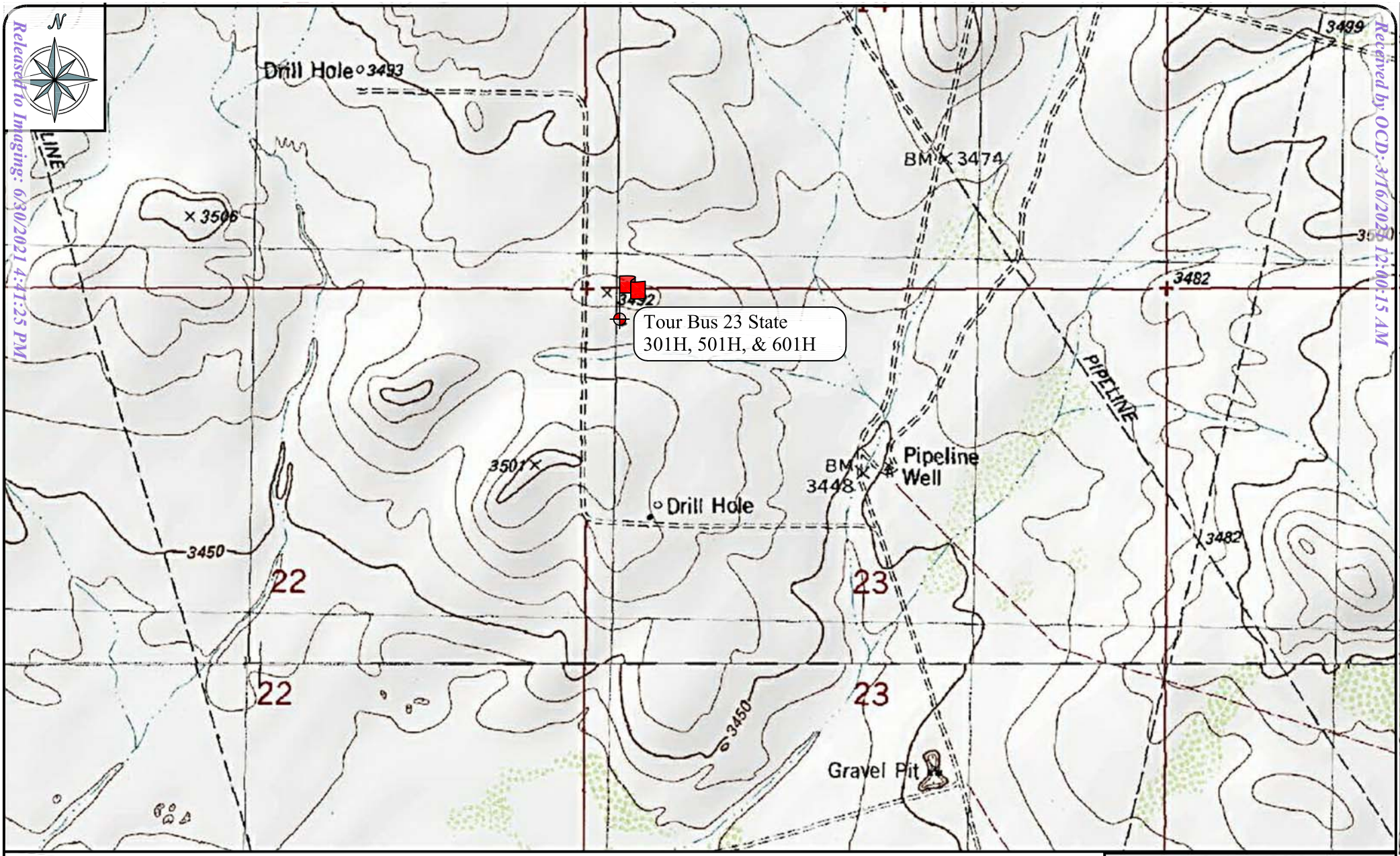
This report has been prepared for the benefit of Centennial Resource Development, Inc. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Etech and/or Centennial Resource Development, Inc.

DISTRIBUTION

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

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

Copy 3: Etech Environmental & Safety Solutions, Inc.
P.O. Box 62228
Midland, Texas 79711



Scale 1 : 16,000

1" = 151.4 ft Data Zoom 13-6

Site - Tour Bus 23 State 301H, 501H, & 601H
Site Location Map
Centennial Resource Development, Inc.
Lea County, NM
N 32.38346°, W 103.44822°
June 17, 2020

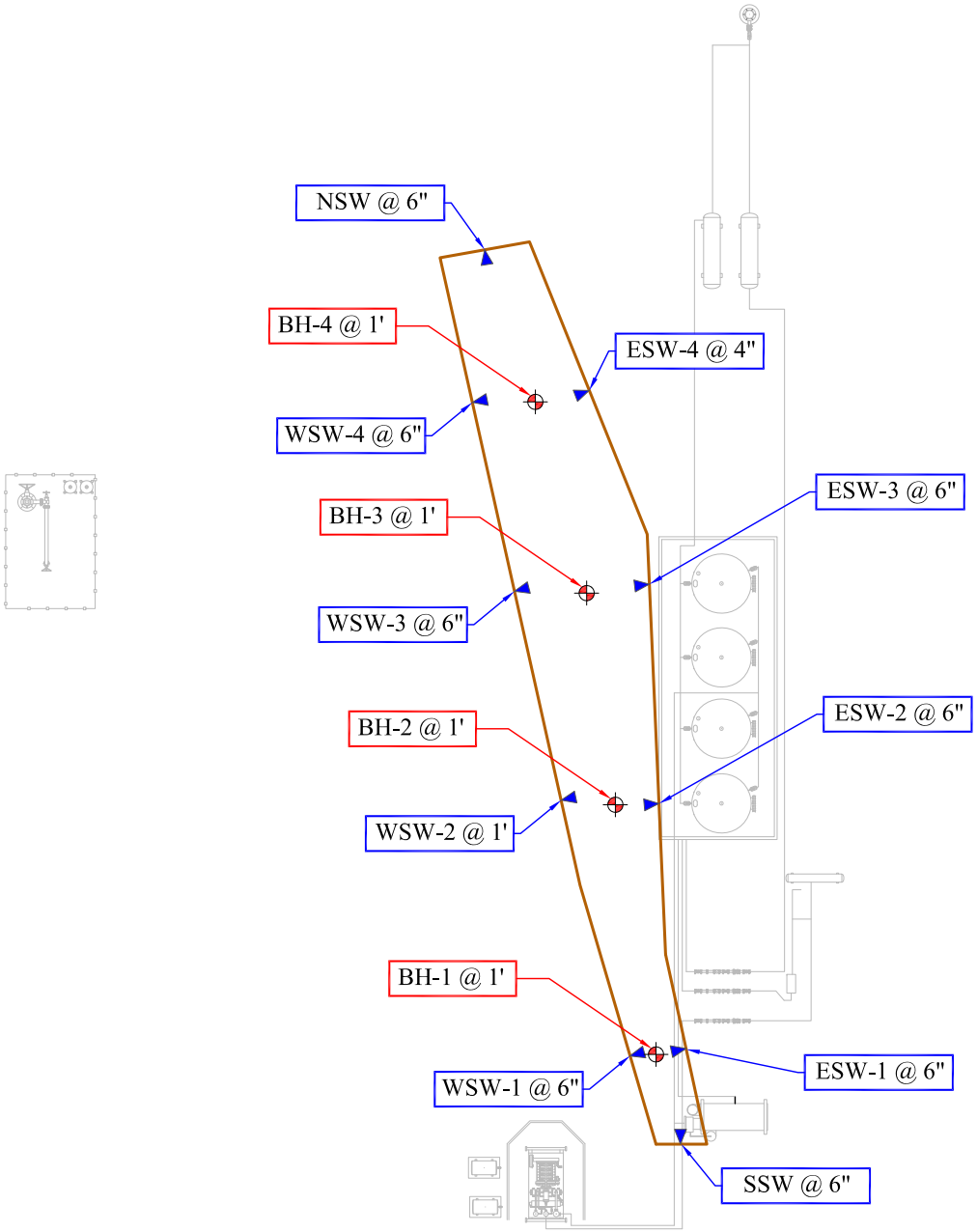
Legend

= Site Location

eTECH Environmental & Safety Solutions, Inc.

Job No.: 1226-12596

Figure 1



Site - Tour Bus 23 State 301H, 501H, & 601H
Site Details & Confirmation Sample Map
Centennial Resource Development, Inc.
Lea County, NM
N 32.38346°, W 103.44822°
June 17, 2020

Legend

= Bottom Hole Sampling Point
= Side Wall Sampling point
Excavation Perimeter
Fence

0 50 100
Feet

eTECH Environmental & Safety Solutions, Inc.

Job No.: 1226-12596

Figure 2

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL

CENTENNIAL RESOURCE DEVELOPMENT, INC.

TOUR BUS 23 STATE 502, 601, 302 CHECK VALVE 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 300.1
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C_6-C_{12}	TPH DRO C_{12}-C_{28}	TPH ORO C_{28}-C_{35}	TOTAL TPH C_6-C_{35}	CHLORIDE
Limits		10 mg/Kg						50 mg/Kg				100 mg/Kg	600 mg/Kg
Bottom Hole Sample Results													
BH-1 @ 1'	7/14/2020	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<27.5	<27.5	<27.5	<27.5	25.9
BH-2 @ 1'	7/14/2020	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<25.8	<25.8	<25.8	<25.8	144
BH-3 @ 1'	7/14/2020	<0.00100	<0.00200	<0.00100	0.00202	0.00137	0.00339	0.00339	<28.1	<28.1	<28.1	<28.1	11.4
BH-4 @ 1'	7/14/2020	<0.00100	<0.00200	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<25.8	<25.8	<25.8	<25.8	80.4
Sidewall Sample Results													
NSW @ 6"	8/21/2020	<0.00102	<0.00102	<0.00102	<0.00204	<0.00102	<0.00204	<0.00204	<25.5	166	50.1	**216.1**	259
NSW @ 6"	9/22/2020	-	-	-	-	-	-	-	<26.0	<26.0	<26.0	<26.0	-
SSW @ 6"	8/21/2020	<0.00101	<0.00101	<0.00101	<0.00202	<0.00101	<0.00202	<0.00202	<25.3	27.6	<25.3	27.6	151
ESW-1 @ 6"	8/21/2020	<0.00103	<0.00103	<0.00103	<0.00206	<0.00103	<0.00206	<0.00206	<25.8	142	29.3	**171.3**	189
ESW-1 @ 6"	9/22/2020	-	-	-	-	-	-	-	<26.6	<26.6	<26.6	<26.6	-
ESW-2 @ 6"	8/21/2020	<0.00102	<0.00102	<0.00102	<0.00204	<0.00102	<0.00204	<0.00204	<25.5	32.5	<25.5	32.5	89.7
ESW-3 @ 6"	8/21/2020	<0.00105	<0.00105	<0.00105	<0.00211	<0.00105	<0.00211	<0.00211	<26.3	<26.3	<26.3	<26.3	**1,030**
ESW-3 @ 6"	9/22/2020	-	-	-	-	-	-	-	-	-	-	-	271
ESW-4 @ 6"	8/21/2020	<0.00103	<0.00103	<0.00103	<0.00206	<0.00103	<0.00206	<0.00206	<25.8	74.8	<25.8	74.8	216
WSW-1 @ 6"	8/21/2020	<0.00103	<0.00103	<0.00103	<0.00206	<0.00103	<0.00206	<0.00206	<25.8	268	42.9	**310.9**	172
WSW-1 @ 6"	9/22/2020	-	-	-	-	-	-	-	<26.9	<26.9	<26.9	<26.9	-
WSW-2 @ 6"	8/21/2020	<0.00102	<0.00102	<0.00102	<0.00204	<0.00102	<0.00204	<0.00204	<25.5	<25.5	<25.5	<25.5	279
WSW-3 @ 6"	8/21/2020	<0.00103	<0.00103	<0.00103	<0.00206	<0.00103	<0.00206	<0.00206	<25.8	30.4	<25.8	30.4	**930**
WSW-3 @ 6"	9/22/2020	-	-	-	-	-	-	-	-	-	-	-	173
WSW-4 @ 6"	8/21/2020	<0.00101	<0.00101	<0.00101	<0.00202	<0.00101	<0.00202	<0.00202	<25.3	<25.3	<25.3	<25.3	237
Stockpile Sample Results													
Stockpile	7/14/2020	<0.0200	<0.400	0.0847	0.363	0.150	0.513	0.5977	34.7	338	50.6	**423.3**	319
Stockpile	7/29/2020	-	-	-	-	-	-	-	209	3,200	561	**3,970**	-
Stockpile 2	9/22/2020	<0.00105	<0.00105	<0.00105	<0.00211	<0.00105	<0.00211	<0.00211	<26.3	162	42.0	**204.0**	301

Bold ande Yellow Highlighted indicates Analyte Above NMOCD Regulatory Limit

Project Name: *Tour Bus 23 State 301H 501H 601H Release Site* ***Photographic Documentation***
Project No: *12596*

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

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

Project Name: *Tour Bus 23 State 301H 501H 601H Release Site* ***Photographic Documentation***
Project No: *12596*

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

Photo No: **4.**	
Direction Taken: North	
Description: View of the excavated area.	

Project Name: *Tour Bus 23 State 301H 501H 601H Release Site* ***Photographic Documentation***
Project No: *12596*

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

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

Project Name: *Tour Bus 23 State 301H 501H 601H Release Site* ***Photographic Documentation***
Project No: *12596*

Photo No: **7.**	
Direction Taken: Southeast	
Description: View of the remediated area.	

Photo No: **8.**	
Direction Taken Northeast	
Description: View of the remediated area.	

Project Name: *Tour Bus 23 State 301H 501H 601H Release Site* ***Photographic Documentation***
Project No: *12596*

Photo No: **9.**	
Direction Taken: Southwest	
Description: View of the remediated area.	

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

PBELAB

Analytical Report

Prepared for:

Matt Green

E Tech Environmental & Safety Solutions, Inc.

13000 West County Road 100

Odessa, TX 79765

Project: Centennial Tour Bus 23 State 502,601,302 Check Val

Project Number: 12596

Location: Lea County, NM

Lab Order Number: 0G16004

NELAP ACCREDITED TNI LABORATORY

NELAP/TCEQ # T104704516-17-8

Report Date: 07/24/20

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

Project: Centennial Tour Bus 23 State 502,601,302 Checl
Project Number: 12596
Project Manager: Matt Green

Fax: (432) 563-2213

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-1 @ 1'	0G16004-01	Soil	07/14/20 10:00	07-16-2020 07:45
BH-2 @ 1'	0G16004-02	Soil	07/14/20 10:05	07-16-2020 07:45
BH-3 @ 1'	0G16004-03	Soil	07/14/20 10:15	07-16-2020 07:45
BH-4 @ 1'	0G16004-04	Soil	07/14/20 10:20	07-16-2020 07:45
Stockpile	0G16004-05	Soil	07/14/20 14:00	07-16-2020 07:45

E Tech Environmental & Safety Solutions, Inc.	Project: Centennial Tour Bus 23 State 502,601,302 Checl	Fax: (432) 563-2213
13000 West County Road 100	Project Number: 12596	
Odessa TX, 79765	Project Manager: Matt Green	

BH-1 @ 1'

0G16004-01 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0G1603	07/16/20	07/16/20	EPA 8021B	
Toluene	ND	0.00200	mg/kg dry	1	P0G1603	07/16/20	07/16/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0G1603	07/16/20	07/16/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0G1603	07/16/20	07/16/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0G1603	07/16/20	07/16/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*88.0 %*	*75-125*		*P0G1603*	*07/16/20*	*07/16/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.7 %*	*75-125*		*P0G1603*	*07/16/20*	*07/16/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**25.9**	1.10	mg/kg dry	1	P0G2013	07/20/20	07/20/20	EPA 300.0	
% Moisture	**9.0**	0.1	%	1	P0G1703	07/17/20	07/17/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.5	mg/kg dry	1	P0G1608	07/16/20	07/17/20	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P0G1608	07/16/20	07/17/20	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P0G1608	07/16/20	07/17/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		*P0G1608*	*07/16/20*	*07/17/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*116 %*	*70-130*		*P0G1608*	*07/16/20*	*07/17/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	07/16/20	07/17/20	calc	

E Tech Environmental & Safety Solutions, Inc.
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Odessa TX, 79765

Project: Centennial Tour Bus 23 State 502,601,302 Checl
Project Number: 12596
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BH-2 @ 1'

0G16004-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0G1603	07/16/20	07/16/20	EPA 8021B	
Toluene	ND	0.00200	mg/kg dry	1	P0G1603	07/16/20	07/16/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0G1603	07/16/20	07/16/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0G1603	07/16/20	07/16/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0G1603	07/16/20	07/16/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*89.4 %*	*75-125*		*P0G1603*	*07/16/20*	*07/16/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.2 %*	*75-125*		*P0G1603*	*07/16/20*	*07/16/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**144**	1.03	mg/kg dry	1	P0G2013	07/20/20	07/20/20	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P0G1703	07/17/20	07/17/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P0G1608	07/16/20	07/17/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0G1608	07/16/20	07/17/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0G1608	07/16/20	07/17/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*98.9 %*	*70-130*		*P0G1608*	*07/16/20*	*07/17/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*114 %*	*70-130*		*P0G1608*	*07/16/20*	*07/17/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	07/16/20	07/17/20	calc	

E Tech Environmental & Safety Solutions, Inc.
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Project Manager: Matt Green

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BH-3 @ 1'

0G16004-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0G1603	07/16/20	07/16/20	EPA 8021B	
Toluene	ND	0.00200	mg/kg dry	1	P0G1603	07/16/20	07/16/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0G1603	07/16/20	07/16/20	EPA 8021B	
Xylene (p/m)	**0.00202**	0.00200	mg/kg dry	1	P0G1603	07/16/20	07/16/20	EPA 8021B	
Xylene (o)	**0.00137**	0.00100	mg/kg dry	1	P0G1603	07/16/20	07/16/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*86.0 %*	*75-125*		*P0G1603*	*07/16/20*	*07/16/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*93.8 %*	*75-125*		*P0G1603*	*07/16/20*	*07/16/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**11.4**	1.12	mg/kg dry	1	P0G2013	07/20/20	07/20/20	EPA 300.0	
% Moisture	**11.0**	0.1	%	1	P0G1703	07/17/20	07/17/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	28.1	mg/kg dry	1	P0G1608	07/16/20	07/17/20	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P0G1608	07/16/20	07/17/20	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P0G1608	07/16/20	07/17/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*94.3 %*	*70-130*		*P0G1608*	*07/16/20*	*07/17/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*109 %*	*70-130*		*P0G1608*	*07/16/20*	*07/17/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	07/16/20	07/17/20	calc	

E Tech Environmental & Safety Solutions, Inc.	Project: Centennial Tour Bus 23 State 502,601,302 Checl	Fax: (432) 563-2213
13000 West County Road 100	Project Number: 12596	
Odessa TX, 79765	Project Manager: Matt Green	

BH-4 @ 1'

0G16004-04 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/kg dry	1	P0G1603	07/16/20	07/16/20	EPA 8021B	
Toluene	ND	0.00200	mg/kg dry	1	P0G1603	07/16/20	07/16/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0G1603	07/16/20	07/16/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0G1603	07/16/20	07/16/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0G1603	07/16/20	07/16/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*90.6 %*	*75-125*		*P0G1603*	*07/16/20*	*07/16/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.3 %*	*75-125*		*P0G1603*	*07/16/20*	*07/16/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**80.4**	1.03	mg/kg dry	1	P0G2109	07/21/20	07/21/20	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P0G1703	07/17/20	07/17/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P0G1608	07/16/20	07/17/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0G1608	07/16/20	07/17/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0G1608	07/16/20	07/17/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*93.5 %*	*70-130*		*P0G1608*	*07/16/20*	*07/17/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*107 %*	*70-130*		*P0G1608*	*07/16/20*	*07/17/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	07/16/20	07/17/20	calc	

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Stockpile

0G16004-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Benzene	ND	0.0200	mg/kg dry	20	P0G1603	07/16/20	07/16/20	EPA 8021B	
Toluene	ND	0.0400	mg/kg dry	20	P0G1603	07/16/20	07/16/20	EPA 8021B	
Ethylbenzene	**0.0847**	0.0200	mg/kg dry	20	P0G1603	07/16/20	07/16/20	EPA 8021B	
Xylene (p/m)	**0.363**	0.0400	mg/kg dry	20	P0G1603	07/16/20	07/16/20	EPA 8021B	
Xylene (o)	**0.150**	0.0200	mg/kg dry	20	P0G1603	07/16/20	07/16/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*90.4 %*	*75-125*		*P0G1603*	*07/16/20*	*07/16/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*91.5 %*	*75-125*		*P0G1603*	*07/16/20*	*07/16/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**319**	1.11	mg/kg dry	1	P0G2109	07/21/20	07/21/20	EPA 300.0	
% Moisture	**10.0**	0.1	%	1	P0G1703	07/17/20	07/17/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**34.7**	27.8	mg/kg dry	1	P0G1608	07/16/20	07/17/20	TPH 8015M	
>C12-C28	**338**	27.8	mg/kg dry	1	P0G1608	07/16/20	07/17/20	TPH 8015M	
>C28-C35	**50.6**	27.8	mg/kg dry	1	P0G1608	07/16/20	07/17/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*92.0 %*	*70-130*		*P0G1608*	*07/16/20*	*07/17/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P0G1608*	*07/16/20*	*07/17/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**423**	27.8	mg/kg dry	1	[CALC]	07/16/20	07/17/20	calc	

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Organics by GC - 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 P0G1603 - General Preparation (GC)										
Blank (P0G1603-BLK1)				Prepared & Analyzed: 07/16/20						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00200	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.110*		"	*0.120*		*91.9*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.108*		"	*0.120*		*90.4*	*75-125*			
LCS (P0G1603-BS1)				Prepared & Analyzed: 07/16/20						
Benzene	0.102	0.00100	mg/kg wet	0.100		102	80-120			
Toluene	0.0956	0.00200	"	0.100		95.6	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.213	0.00200	"	0.200		106	80-120			
Xylene (o)	0.0984	0.00100	"	0.100		98.4	80-120			
Surrogate: 4-Bromofluorobenzene	*0.107*		"	*0.120*		*89.4*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*95.0*	*75-125*			
LCS Dup (P0G1603-BSD1)				Prepared & Analyzed: 07/16/20						
Benzene	0.105	0.00100	mg/kg wet	0.100		105	80-120	2.88	20	
Toluene	0.104	0.00200	"	0.100		104	80-120	8.74	20	
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120	0.0861	20	
Xylene (p/m)	0.232	0.00200	"	0.200		116	80-120	8.80	20	
Xylene (o)	0.108	0.00100	"	0.100		108	80-120	8.94	20	
Surrogate: 4-Bromofluorobenzene	*0.112*		"	*0.120*		*93.0*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*95.7*	*75-125*			
Calibration Blank (P0G1603-CCB1)				Prepared & Analyzed: 07/16/20						
Benzene	0.00		mg/kg wet							
Toluene	1.39		"							
Ethylbenzene	0.460		"							
Xylene (p/m)	0.780		"							
Xylene (o)	0.500		"							
Surrogate: 4-Bromofluorobenzene	*0.112*		"	*0.120*		*93.5*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.109*		"	*0.120*		*90.7*	*75-125*			

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Organics by GC - 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 P0G1603 - General Preparation (GC)										
Calibration Blank (P0G1603-CCB2)				Prepared & Analyzed: 07/16/20						
Benzene	0.310		mg/kg wet							
Toluene	0.920		"							
Ethylbenzene	0.590		"							
Xylene (p/m)	1.19		"							
Xylene (o)	0.510		"							
Surrogate: 4-Bromofluorobenzene	*0.108*		*"*	*0.120*		*90.0*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.110*		*"*	*0.120*		*91.3*	*75-125*			
Calibration Check (P0G1603-CCV1)				Prepared & Analyzed: 07/16/20						
Benzene	0.0983	0.00100	mg/kg wet	0.100		98.3	80-120			
Toluene	0.0951	0.00200	"	0.100		95.1	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.214	0.00200	"	0.200		107	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 4-Bromofluorobenzene	*0.110*		*"*	*0.120*		*92.0*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*95.2*	*75-125*			
Calibration Check (P0G1603-CCV2)				Prepared & Analyzed: 07/16/20						
Benzene	0.105	0.00100	mg/kg wet	0.100		105	80-120			
Toluene	0.105	0.00200	"	0.100		105	80-120			
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120			
Xylene (p/m)	0.228	0.00200	"	0.200		114	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	*0.112*		*"*	*0.120*		*93.4*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.9*	*75-125*			
Calibration Check (P0G1603-CCV3)				Prepared & Analyzed: 07/16/20						
Benzene	0.108	0.00100	mg/kg wet	0.100		108	80-120			
Toluene	0.103	0.00200	"	0.100		103	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.220	0.00200	"	0.200		110	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	*0.111*		*"*	*0.120*		*92.4*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.9*	*75-125*			

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Organics by GC - 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 P0G1603 - General Preparation (GC)										
Matrix Spike (P0G1603-MS1)		**Source: 0G16001-01**		Prepared & Analyzed: 07/16/20						
Benzene	0.0838	0.00100	mg/kg dry	0.102	ND	82.2	80-120			
Toluene	0.0828	0.00200	"	0.102	0.000551	80.6	80-120			
Ethylbenzene	0.103	0.00100	"	0.102	ND	101	80-120			
Xylene (p/m)	0.176	0.00200	"	0.204	ND	86.3	80-120			
Xylene (o)	0.0840	0.00100	"	0.102	ND	82.3	80-120			
Surrogate: 4-Bromofluorobenzene	*0.133*		"	*0.122*		*109*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.120*		"	*0.122*		*98.1*	*75-125*			
Matrix Spike Dup (P0G1603-MSD1)		**Source: 0G16001-01**		Prepared & Analyzed: 07/16/20						
Benzene	0.0869	0.00100	mg/kg dry	0.102	ND	85.2	80-120	3.60	20	
Toluene	0.0850	0.00200	"	0.102	0.000551	82.7	80-120	2.57	20	
Ethylbenzene	0.104	0.00100	"	0.102	ND	102	80-120	0.711	20	
Xylene (p/m)	0.175	0.00200	"	0.204	ND	85.7	80-120	0.680	20	
Xylene (o)	0.0835	0.00100	"	0.102	ND	81.8	80-120	0.585	20	
Surrogate: 4-Bromofluorobenzene	*0.126*		"	*0.122*		*103*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.121*		"	*0.122*		*98.8*	*75-125*			

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

Project: Centennial Tour Bus 23 State 502,601,302 Checl
Project Number: 12596
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
Batch P0G1703 - * DEFAULT PREP *** **										
Blank (P0G1703-BLK1)				Prepared & Analyzed: 07/17/20						
% Moisture	ND	0.1	%							
Blank (P0G1703-BLK2)				Prepared & Analyzed: 07/17/20						
% Moisture	ND	0.1	%							
Blank (P0G1703-BLK3)				Prepared & Analyzed: 07/17/20						
% Moisture	ND	0.1	%							
Duplicate (P0G1703-DUP1)		**Source: 0G16002-09**		Prepared & Analyzed: 07/17/20						
% Moisture	4.0	0.1	%		4.0			0.00	20	
Duplicate (P0G1703-DUP2)		**Source: 0G16003-09**		Prepared & Analyzed: 07/17/20						
% Moisture	11.0	0.1	%		11.0			0.00	20	
Duplicate (P0G1703-DUP3)		**Source: 0G16005-03**		Prepared & Analyzed: 07/17/20						
% Moisture	3.0	0.1	%		3.0			0.00	20	
Duplicate (P0G1703-DUP4)		**Source: 0G16006-08**		Prepared & Analyzed: 07/17/20						
% Moisture	14.0	0.1	%		14.0			0.00	20	
Duplicate (P0G1703-DUP5)		**Source: 0G16012-10**		Prepared & Analyzed: 07/17/20						
% Moisture	8.0	0.1	%		9.0			11.8	20	
Batch P0G2013 - * DEFAULT PREP *** **										
Blank (P0G2013-BLK1)				Prepared & Analyzed: 07/20/20						
Chloride	ND	1.00	mg/kg wet							

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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 P0G2013 - * DEFAULT PREP *** **										
LCS (P0G2013-BS1)				Prepared & Analyzed: 07/20/20						
Chloride	399	1.00	mg/kg wet	400		99.7	80-120			
LCS Dup (P0G2013-BSD1)				Prepared & Analyzed: 07/20/20						
Chloride	395	1.00	mg/kg wet	400		98.8	80-120	0.866	20	
Calibration Blank (P0G2013-CCB1)				Prepared & Analyzed: 07/20/20						
Chloride	0.00		mg/kg wet							
Calibration Blank (P0G2013-CCB2)				Prepared & Analyzed: 07/20/20						
Chloride	0.00		mg/kg wet							
Calibration Check (P0G2013-CCV1)				Prepared & Analyzed: 07/20/20						
Chloride	19.0		mg/kg	20.0		94.9	0-200			
Calibration Check (P0G2013-CCV2)				Prepared & Analyzed: 07/20/20						
Chloride	18.8		mg/kg	20.0		93.8	0-200			
Calibration Check (P0G2013-CCV3)				Prepared & Analyzed: 07/20/20						
Chloride	18.5		mg/kg	20.0		92.7	0-200			
Matrix Spike (P0G2013-MS1)		**Source: 0G16002-09**		Prepared & Analyzed: 07/20/20						
Chloride	1080	5.21	mg/kg dry	521	600	91.6	80-120			
Matrix Spike (P0G2013-MS2)		**Source: 0G16003-10**		Prepared & Analyzed: 07/20/20						
Chloride	22900	53.8	mg/kg dry	5380	15600	136	80-120			QM-05
Matrix Spike Dup (P0G2013-MSD1)		**Source: 0G16002-09**		Prepared & Analyzed: 07/20/20						
Chloride	1060	5.21	mg/kg dry	521	600	87.9	80-120	1.82	20	

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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 P0G2013 - * DEFAULT PREP *** **										
Matrix Spike Dup (P0G2013-MSD2)	**Source: 0G16003-10**			Prepared & Analyzed: 07/20/20						
Chloride	21100	53.8	mg/kg dry	5380	15600	103	80-120	8.16	20	
Batch P0G2109 - * DEFAULT PREP *** **										
LCS (P0G2109-BS1)				Prepared & Analyzed: 07/21/20						
Chloride	425	1.00	mg/kg wet	400		106	80-120			
LCS Dup (P0G2109-BSD1)				Prepared & Analyzed: 07/21/20						
Chloride	385	1.00	mg/kg wet	400		96.2	80-120	9.92	20	
Calibration Check (P0G2109-CCV1)				Prepared & Analyzed: 07/21/20						
Chloride	18.9		mg/kg	20.0		94.5	0-200			
Calibration Check (P0G2109-CCV2)				Prepared & Analyzed: 07/21/20						
Chloride	19.6		mg/kg	20.0		98.2	0-200			
Calibration Check (P0G2109-CCV3)				Prepared & Analyzed: 07/21/20						
Chloride	18.6		mg/kg	20.0		93.1	0-200			
Matrix Spike (P0G2109-MS1)	**Source: 0G16004-04**			Prepared & Analyzed: 07/21/20						
Chloride	594	1.03	mg/kg dry	515	80.4	99.7	80-120			
Matrix Spike (P0G2109-MS2)	**Source: 0G16012-01**			Prepared & Analyzed: 07/21/20						
Chloride	2400	6.49	mg/kg dry	649	1560	129	80-120			QM-05
Matrix Spike Dup (P0G2109-MSD1)	**Source: 0G16004-04**			Prepared & Analyzed: 07/21/20						
Chloride	552	1.03	mg/kg dry	515	80.4	91.5	80-120	7.32	20	

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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 P0G2109 - * DEFAULT PREP *** **										
Matrix Spike Dup (P0G2109-MSD2)	**Source: 0G16012-01**			Prepared & Analyzed: 07/21/20						
Chloride	2410	6.49	mg/kg dry	649	1560	130	80-120	0.495	20	QM-05

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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 P0G1608 - TX 1005										
Blank (P0G1608-BLK1)				Prepared: 07/16/20 Analyzed: 07/17/20						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*98.4*		*"*	*100*		*98.4*	*70-130*			
Surrogate: o-Terphenyl	*51.9*		*"*	*50.0*		*104*	*70-130*			
LCS (P0G1608-BS1)				Prepared: 07/16/20 Analyzed: 07/17/20						
C6-C12	987	25.0	mg/kg wet	1000		98.7	75-125			
>C12-C28	1180	25.0	"	1000		118	75-125			
Surrogate: 1-Chlorooctane	*116*		*"*	*100*		*116*	*70-130*			
Surrogate: o-Terphenyl	*49.3*		*"*	*50.0*		*98.5*	*70-130*			
LCS Dup (P0G1608-BSD1)				Prepared: 07/16/20 Analyzed: 07/17/20						
C6-C12	1150	25.0	mg/kg wet	1000		115	75-125	15.6	20	
>C12-C28	1240	25.0	"	1000		124	75-125	4.73	20	
Surrogate: 1-Chlorooctane	*113*		*"*	*100*		*113*	*70-130*			
Surrogate: o-Terphenyl	*58.1*		*"*	*50.0*		*116*	*70-130*			
Calibration Blank (P0G1608-CCB1)				Prepared & Analyzed: 07/16/20						
C6-C12	10.1		mg/kg wet							
>C12-C28	17.5		"							
Surrogate: 1-Chlorooctane	*91.1*		*"*	*100*		*91.1*	*70-130*			
Surrogate: o-Terphenyl	*48.2*		*"*	*50.0*		*96.4*	*70-130*			
Calibration Blank (P0G1608-CCB2)				Prepared: 07/16/20 Analyzed: 07/17/20						
C6-C12	8.87		mg/kg wet							
>C12-C28	6.67		"							
Surrogate: 1-Chlorooctane	*87.6*		*"*	*100*		*87.6*	*70-130*			
Surrogate: o-Terphenyl	*46.8*		*"*	*50.0*		*93.6*	*70-130*			

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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 P0G1608 - TX 1005										
Calibration Check (P0G1608-CCV1)				Prepared & Analyzed: 07/16/20						
C6-C12	459	25.0	mg/kg wet	500		91.8	85-115			
>C12-C28	500	25.0	"	500		100	85-115			
Surrogate: 1-Chlorooctane	*96.5*		*"*	*100*		*96.5*	*70-130*			
Surrogate: o-Terphenyl	*44.9*		*"*	*50.0*		*89.8*	*70-130*			
Calibration Check (P0G1608-CCV2)				Prepared: 07/16/20 Analyzed: 07/17/20						
C6-C12	440	25.0	mg/kg wet	500		88.0	85-115			
>C12-C28	507	25.0	"	500		101	85-115			
Surrogate: 1-Chlorooctane	*93.3*		*"*	*100*		*93.3*	*70-130*			
Surrogate: o-Terphenyl	*43.5*		*"*	*50.0*		*87.1*	*70-130*			
Calibration Check (P0G1608-CCV3)				Prepared: 07/16/20 Analyzed: 07/17/20						
C6-C12	461	25.0	mg/kg wet	500		92.2	85-115			
>C12-C28	537	25.0	"	500		107	85-115			
Surrogate: 1-Chlorooctane	*98.6*		*"*	*100*		*98.6*	*70-130*			
Surrogate: o-Terphenyl	*46.1*		*"*	*50.0*		*92.3*	*70-130*			
Matrix Spike (P0G1608-MS1)		**Source: 0G16002-01**		Prepared: 07/16/20 Analyzed: 07/17/20						
C6-C12	981	27.5	mg/kg dry	1100	11.6	88.2	75-125			
>C12-C28	1150	27.5	"	1100	ND	104	75-125			
Surrogate: 1-Chlorooctane	*121*		*"*	*110*		*110*	*70-130*			
Surrogate: o-Terphenyl	*56.8*		*"*	*54.9*		*103*	*70-130*			
Matrix Spike Dup (P0G1608-MSD1)		**Source: 0G16002-01**		Prepared: 07/16/20 Analyzed: 07/17/20						
C6-C12	956	27.5	mg/kg dry	1100	11.6	86.0	75-125	2.56	20	
>C12-C28	1160	27.5	"	1100	ND	105	75-125	0.922	20	
Surrogate: 1-Chlorooctane	*119*		*"*	*110*		*108*	*70-130*			
Surrogate: o-Terphenyl	*56.1*		*"*	*54.9*		*102*	*70-130*			

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

Project: Centennial Tour Bus 23 State 502,601,302 Checl
Project Number: 12596
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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

Report Approved By: Brent Barron Date: 7/24/2020

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706

Phone: 432-661-4184

Project Manager: Matt Green
Company Name: Etech Environmental and Safety Solutions, Inc.
Company Address: 13000 W CR 100
City/State/Zip: Odessa, Texas 79765
Telephone No: (432)230-3763
Sampler Signature: Matthew Green

Project Name: Tour Bus 23 State 502, 601, 302 Check Valve
Project #: 12596
Project Loc: Lea County, NM
PO #: Centennial
Fax No:
Report Format: [X] Standard [ ] TRRP [ ] NPDES
e-mail: Matt@etechenv.com
rebecca@etechenv.com

(lab use only)
ORDER #: 06116004

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: 8015B	TPH: TX 1005 Ext	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 8TEX 8260	RCI	N.O.R.M.	Chlorides E 300			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	BH-1 @ 1'			7/14/2020	1000		1	x								S	X									X			X					X
2	BH-2 @ 1'			7/14/2020	1005		1	x								S	X									X			X					X
3	BH-3 @ 1'			7/14/2020	1015		1	x								S	X									X			X					X
4	BH-4 @ 1'			7/14/2020	1020		1	x								S	X									X			X					X
5	Stockpile			7/14/2020	1400		1	x								S	X									X			X					X

Special Instructions:
Bill to Centennial

Relinquished by:	Date	Time	Received by:	Date	Time
Matt Green	7/16/	7:45			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
			Ewn	7/16/20	745

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	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 3.3 °C CF+1
Adjusted: 4.3 °C Factor 1.2

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

PBELAB

Analytical Report

Prepared for:

Matt Green

E Tech Environmental & Safety Solutions, Inc.

13000 West County Road 100

Odessa, TX 79765

Project: Centennial Tour Bus 23 State 502,601,302 Check Val

Project Number: 12596

Location: Lea County, NM

Lab Order Number: 0G31003

NELAP ACCREDITED TNI LABORATORY

NELAP/TCEQ # T104704516-17-8

Report Date: 08/04/20

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

Project: Centennial Tour Bus 23 State 502,601,302 Checl
Project Number: 12596
Project Manager: Matt Green

Fax: (432) 563-2213

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Stockpile	0G31003-01	Soil	07/29/20 16:30	07-30-2020 15:34

E Tech Environmental & Safety Solutions, Inc.
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Stockpile

0G31003-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
% Moisture	**2.0**	0.1	%	1	P0H0402	08/04/20	08/04/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**209**	25.5	mg/kg dry	1	P0G3110	07/31/20	08/01/20	TPH 8015M	
>C12-C28	**3200**	25.5	mg/kg dry	1	P0G3110	07/31/20	08/01/20	TPH 8015M	
>C28-C35	**561**	25.5	mg/kg dry	1	P0G3110	07/31/20	08/01/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*108 %*	*70-130*		*P0G3110*	*07/31/20*	*08/01/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*114 %*	*70-130*		*P0G3110*	*07/31/20*	*08/01/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**3970**	25.5	mg/kg dry	1	[CALC]	07/31/20	08/01/20	calc	

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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 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)		**Source: 0G30014-01**		Prepared & Analyzed: 08/04/20						
% Moisture	10.0	0.1	%		10.0			0.00	20	
Duplicate (P0H0402-DUP2)		**Source: 0G31001-06**		Prepared & Analyzed: 08/04/20						
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P0H0402-DUP3)		**Source: 0G31007-02**		Prepared & Analyzed: 08/04/20						
% Moisture	8.0	0.1	%		8.0			0.00	20	
Duplicate (P0H0402-DUP4)		**Source: 0G31008-05**		Prepared & Analyzed: 08/04/20						
% Moisture	3.0	0.1	%		3.0			0.00	20	
Duplicate (P0H0402-DUP5)		**Source: 0H03007-03**		Prepared & Analyzed: 08/04/20						
% Moisture	7.0	0.1	%		7.0			0.00	20	
Duplicate (P0H0402-DUP6)		**Source: 0H03007-13**		Prepared & Analyzed: 08/04/20						
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P0H0402-DUP7)		**Source: 0H03011-03**		Prepared & Analyzed: 08/04/20						
% Moisture	6.0	0.1	%		6.0			0.00	20	

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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 P0G3110 - TX 1005										
Blank (P0G3110-BLK1)				Prepared: 07/31/20 Analyzed: 08/01/20						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*94.9*		*"*	*100*		*94.9*	*70-130*			
Surrogate: o-Terphenyl	*52.3*		*"*	*50.0*		*105*	*70-130*			
LCS (P0G3110-BS1)				Prepared: 07/31/20 Analyzed: 08/01/20						
C6-C12	885	25.0	mg/kg wet	1000		88.5	75-125			
>C12-C28	1080	25.0	"	1000		108	75-125			
Surrogate: 1-Chlorooctane	*110*		*"*	*100*		*110*	*70-130*			
Surrogate: o-Terphenyl	*48.4*		*"*	*50.0*		*96.7*	*70-130*			
LCS Dup (P0G3110-BSD1)				Prepared: 07/31/20 Analyzed: 08/01/20						
C6-C12	869	25.0	mg/kg wet	1000		86.9	75-125	1.80	20	
>C12-C28	1070	25.0	"	1000		107	75-125	1.57	20	
Surrogate: 1-Chlorooctane	*108*		*"*	*100*		*108*	*70-130*			
Surrogate: o-Terphenyl	*47.8*		*"*	*50.0*		*95.6*	*70-130*			
Calibration Check (P0G3110-CCV1)				Prepared: 07/31/20 Analyzed: 08/01/20						
C6-C12	470	25.0	mg/kg wet	500		94.0	85-115			
>C12-C28	519	25.0	"	500		104	85-115			
Surrogate: 1-Chlorooctane	*105*		*"*	*100*		*105*	*70-130*			
Surrogate: o-Terphenyl	*51.4*		*"*	*50.0*		*103*	*70-130*			
Calibration Check (P0G3110-CCV2)				Prepared: 07/31/20 Analyzed: 08/01/20						
C6-C12	431	25.0	mg/kg wet	500		86.3	85-115			
>C12-C28	501	25.0	"	500		100	85-115			
Surrogate: 1-Chlorooctane	*96.5*		*"*	*100*		*96.5*	*70-130*			
Surrogate: o-Terphenyl	*47.7*		*"*	*50.0*		*95.5*	*70-130*			

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

Project: Centennial Tour Bus 23 State 502,601,302 Checl
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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 P0G3110 - TX 1005										
Calibration Check (P0G3110-CCV3)				Prepared: 07/31/20 Analyzed: 08/01/20						
C6-C12	476	25.0	mg/kg wet	500		95.2	85-115			
>C12-C28	555	25.0	"	500		111	85-115			
Surrogate: 1-Chlorooctane	*107*		*"*	*100*		*107*	*70-130*			
Surrogate: o-Terphenyl	*51.7*		*"*	*50.0*		*103*	*70-130*			
Matrix Spike (P0G3110-MS1)		**Source: 0G31002-07**		Prepared: 07/31/20 Analyzed: 08/01/20						
C6-C12	1040	25.8	mg/kg dry	1030	10.2	99.6	75-125			
>C12-C28	1280	25.8	"	1030	29.0	121	75-125			
Surrogate: 1-Chlorooctane	*122*		*"*	*103*		*119*	*70-130*			
Surrogate: o-Terphenyl	*57.4*		*"*	*51.5*		*111*	*70-130*			
Matrix Spike Dup (P0G3110-MSD1)		**Source: 0G31002-07**		Prepared: 07/31/20 Analyzed: 08/01/20						
C6-C12	1020	25.8	mg/kg dry	1030	10.2	98.3	75-125	1.24	20	
>C12-C28	1260	25.8	"	1030	29.0	119	75-125	1.41	20	
Surrogate: 1-Chlorooctane	*119*		*"*	*103*		*115*	*70-130*			
Surrogate: o-Terphenyl	*56.1*		*"*	*51.5*		*109*	*70-130*			

E Tech Environmental & Safety Solutions, Inc.	Project: Centennial Tour Bus 23 State 502,601,302 Checl	Fax: (432) 563-2213
13000 West County Road 100	Project Number: 12596	
Odessa TX, 79765	Project Manager: Matt Green	

Notes and Definitions

ROI	Received on Ice
BULK	Samples received in Bulk soil containers
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 8/4/2020

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L MD

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706

Phone: 432-661-4184

Project Manager: Matt Green
Company Name: Etech Environmental and Safety Solutions, Inc.
Company Address: 13000 W CR 100
City/State/Zip: Odessa, Texas 79765
Telephone No: (432)230-3763
Fax No:
Sampler Signature: Matthew Green
e-mail: Matt@etechenv.com, rebecca@etechenv.com

Project Name: Tour Bus 23 State 502, 601, 302 Check Valve
Project #: 12596
Project Loc: Lea County, NM
PO #: Centennial
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 0G31003

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	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	8015B	TPH: TX 1005 Ext	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.	Chlorides E 300	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	Stockpile			7/29/2020	1630		1	x								S	X																X

Special Instructions:
Bill to Centennial

Relinquished by:	Date	Time	Received by:	Date	Time
Matthew Green					
Relinquished by:	Date: 7/30	Time: 3:34	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL: Jessica Bledsoe	Date: 7/30/20	Time: 15:34

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
by Courier? UPS DHL FedEx Lone Star	Y	N

Temperature Upon Receipt:
Received: 4.9 °C CF +1
Adjusted: 5.9 °C Factor +2

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

PBELAB

Analytical Report

Prepared for:

Matt Green

E Tech Environmental & Safety Solutions, Inc.

13000 West County Road 100

Odessa, TX 79765

Project: Centennial Tour Bus 23 State 502,601,302 Check Val

Project Number: 12596

Location: Lea County, NM

Lab Order Number: 0H26005

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 09/03/20

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

Project: Centennial Tour Bus 23 State 502,601,302 Checl
Project Number: 12596
Project Manager: Matt Green

Fax: (432) 563-2213

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
NSW @ 6"	0H26005-01	Soil	08/21/20 08:00	08-25-2020 16:52
SSW @ 6"	0H26005-02	Soil	08/21/20 09:00	08-25-2020 16:52
ESW-1 @ 6"	0H26005-03	Soil	08/21/20 08:15	08-25-2020 16:52
ESW-2 @ 6"	0H26005-04	Soil	08/21/20 08:25	08-25-2020 16:52
ESW-3 @ 6"	0H26005-05	Soil	08/21/20 08:35	08-25-2020 16:52
ESW-4 @ 6"	0H26005-06	Soil	08/21/20 08:45	08-25-2020 16:52
WSW-1 @ 6"	0H26005-07	Soil	08/21/20 08:20	08-25-2020 16:52
WSW-2 @ 6"	0H26005-08	Soil	08/21/20 08:30	08-25-2020 16:52
WSW-3 @ 6"	0H26005-09	Soil	08/21/20 08:40	08-25-2020 16:52
WSW-4 @ 6"	0H26005-10	Soil	08/21/20 08:50	08-25-2020 16:52

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

Project: Centennial Tour Bus 23 State 502,601,302 Checl
Project Number: 12596
Project Manager: Matt Green

Fax: (432) 563-2213

NSW @ 6''

0H26005-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 22:16	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 22:16	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 22:16	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 22:16	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 22:16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*88.6 %*	*75-125*		*P0I0106*	*09/01/20 12:23*	*09/01/20 22:16*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*88.4 %*	*75-125*		*P0I0106*	*09/01/20 12:23*	*09/01/20 22:16*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**259**	1.02	mg/kg dry	1	P0I0103	09/01/20 09:16	09/01/20 16:04	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P0H2701	08/27/20 09:18	08/27/20 09:24	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P0H2606	08/26/20 13:00	08/26/20 23:18	TPH 8015M	
>C12-C28	**166**	25.5	mg/kg dry	1	P0H2606	08/26/20 13:00	08/26/20 23:18	TPH 8015M	
>C28-C35	**50.1**	25.5	mg/kg dry	1	P0H2606	08/26/20 13:00	08/26/20 23:18	TPH 8015M	
Surrogate: 1-Chlorooctane		*95.4 %*	*70-130*		*P0H2606*	*08/26/20 13:00*	*08/26/20 23:18*	*TPH 8015M*	
Surrogate: o-Terphenyl		*110 %*	*70-130*		*P0H2606*	*08/26/20 13:00*	*08/26/20 23:18*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**216**	25.5	mg/kg dry	1	[CALC]	08/26/20 13:00	08/26/20 23:18	calc	

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

Project: Centennial Tour Bus 23 State 502,601,302 Checl
Project Number: 12596
Project Manager: Matt Green

Fax: (432) 563-2213

SSW @ 6"

0H26005-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 22:37	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 22:37	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 22:37	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 22:37	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 22:37	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*87.3 %*	*75-125*		*P0I0106*	*09/01/20 12:23*	*09/01/20 22:37*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.1 %*	*75-125*		*P0I0106*	*09/01/20 12:23*	*09/01/20 22:37*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**151**	1.01	mg/kg dry	1	P0I0103	09/01/20 09:16	09/01/20 16:20	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P0H2701	08/27/20 09:18	08/27/20 09:24	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.3	mg/kg dry	1	P0H2606	08/26/20 13:00	08/26/20 23:41	TPH 8015M	
>C12-C28	**27.6**	25.3	mg/kg dry	1	P0H2606	08/26/20 13:00	08/26/20 23:41	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0H2606	08/26/20 13:00	08/26/20 23:41	TPH 8015M	
Surrogate: 1-Chlorooctane		*92.8 %*	*70-130*		*P0H2606*	*08/26/20 13:00*	*08/26/20 23:41*	*TPH 8015M*	
Surrogate: o-Terphenyl		*105 %*	*70-130*		*P0H2606*	*08/26/20 13:00*	*08/26/20 23:41*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**27.6**	25.3	mg/kg dry	1	[CALC]	08/26/20 13:00	08/26/20 23:41	calc	

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

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Project Manager: Matt Green

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ESW-1 @ 6"

0H26005-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 22:57	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 22:57	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 22:57	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 22:57	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 22:57	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*90.3 %*	*75-125*		*P0I0106*	*09/01/20 12:23*	*09/01/20 22:57*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*91.7 %*	*75-125*		*P0I0106*	*09/01/20 12:23*	*09/01/20 22:57*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**189**	1.03	mg/kg dry	1	P0I0103	09/01/20 09:16	09/01/20 16:35	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P0H2701	08/27/20 09:18	08/27/20 09:24	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P0H2606	08/26/20 13:00	08/27/20 00:03	TPH 8015M	
>C12-C28	**142**	25.8	mg/kg dry	1	P0H2606	08/26/20 13:00	08/27/20 00:03	TPH 8015M	
>C28-C35	**29.3**	25.8	mg/kg dry	1	P0H2606	08/26/20 13:00	08/27/20 00:03	TPH 8015M	
Surrogate: 1-Chlorooctane		*92.8 %*	*70-130*		*P0H2606*	*08/26/20 13:00*	*08/27/20 00:03*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P0H2606*	*08/26/20 13:00*	*08/27/20 00:03*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**172**	25.8	mg/kg dry	1	[CALC]	08/26/20 13:00	08/27/20 00:03	calc	

E Tech Environmental & Safety Solutions, Inc.
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Odessa TX, 79765

Project: Centennial Tour Bus 23 State 502,601,302 Checl
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ESW-2 @ 6"

0H26005-04 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 23:18	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 23:18	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 23:18	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 23:18	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 23:18	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*89.0 %*	*75-125*		*P0I0106*	*09/01/20 12:23*	*09/01/20 23:18*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*87.2 %*	*75-125*		*P0I0106*	*09/01/20 12:23*	*09/01/20 23:18*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**89.7**	1.02	mg/kg dry	1	P0I0103	09/01/20 09:16	09/01/20 16:51	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P0H2701	08/27/20 09:18	08/27/20 09:24	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P0H2606	08/26/20 13:00	08/27/20 00:25	TPH 8015M	
>C12-C28	**32.5**	25.5	mg/kg dry	1	P0H2606	08/26/20 13:00	08/27/20 00:25	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0H2606	08/26/20 13:00	08/27/20 00:25	TPH 8015M	
Surrogate: 1-Chlorooctane		*91.5 %*	*70-130*		*P0H2606*	*08/26/20 13:00*	*08/27/20 00:25*	*TPH 8015M*	
Surrogate: o-Terphenyl		*106 %*	*70-130*		*P0H2606*	*08/26/20 13:00*	*08/27/20 00:25*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**32.5**	25.5	mg/kg dry	1	[CALC]	08/26/20 13:00	08/27/20 00:25	calc	

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Project: Centennial Tour Bus 23 State 502,601,302 Checl
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ESW-3 @ 6"

0H26005-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 23:39	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 23:39	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 23:39	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 23:39	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0I0106	09/01/20 12:23	09/01/20 23:39	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*90.4 %*	*75-125*		*P0I0106*	*09/01/20 12:23*	*09/01/20 23:39*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*86.6 %*	*75-125*		*P0I0106*	*09/01/20 12:23*	*09/01/20 23:39*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1030**	1.05	mg/kg dry	1	P0I0103	09/01/20 09:16	09/01/20 17:06	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P0H2701	08/27/20 09:18	08/27/20 09:24	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P0H2606	08/26/20 13:00	08/27/20 00:48	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0H2606	08/26/20 13:00	08/27/20 00:48	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0H2606	08/26/20 13:00	08/27/20 00:48	TPH 8015M	
Surrogate: 1-Chlorooctane		*98.4 %*	*70-130*		*P0H2606*	*08/26/20 13:00*	*08/27/20 00:48*	*TPH 8015M*	
Surrogate: o-Terphenyl		*112 %*	*70-130*		*P0H2606*	*08/26/20 13:00*	*08/27/20 00:48*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	08/26/20 13:00	08/27/20 00:48	calc	

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

Project: Centennial Tour Bus 23 State 502,601,302 Checl
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ESW-4 @ 6"

0H26005-06 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P0I0206	09/02/20 11:10	09/02/20 16:36	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0I0206	09/02/20 11:10	09/02/20 16:36	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0I0206	09/02/20 11:10	09/02/20 16:36	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0I0206	09/02/20 11:10	09/02/20 16:36	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0I0206	09/02/20 11:10	09/02/20 16:36	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*89.9 %*	*75-125*		*P0I0206*	*09/02/20 11:10*	*09/02/20 16:36*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*85.4 %*	*75-125*		*P0I0206*	*09/02/20 11:10*	*09/02/20 16:36*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**216**	1.03	mg/kg dry	1	P0I0103	09/01/20 09:16	09/01/20 17:22	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P0H2701	08/27/20 09:18	08/27/20 09:24	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P0H2607	08/26/20 13:20	08/27/20 03:50	TPH 8015M	
>C12-C28	**74.8**	25.8	mg/kg dry	1	P0H2607	08/26/20 13:20	08/27/20 03:50	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0H2607	08/26/20 13:20	08/27/20 03:50	TPH 8015M	
Surrogate: 1-Chlorooctane		*91.1 %*	*70-130*		*P0H2607*	*08/26/20 13:20*	*08/27/20 03:50*	*TPH 8015M*	
Surrogate: o-Terphenyl		*106 %*	*70-130*		*P0H2607*	*08/26/20 13:20*	*08/27/20 03:50*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**74.8**	25.8	mg/kg dry	1	[CALC]	08/26/20 13:20	08/27/20 03:50	calc	

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

Project: Centennial Tour Bus 23 State 502,601,302 Checl
Project Number: 12596
Project Manager: Matt Green

Fax: (432) 563-2213

WSW-1 @ 6"

0H26005-07 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P0I0206	09/02/20 11:10	09/02/20 16:56	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0I0206	09/02/20 11:10	09/02/20 16:56	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0I0206	09/02/20 11:10	09/02/20 16:56	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0I0206	09/02/20 11:10	09/02/20 16:56	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0I0206	09/02/20 11:10	09/02/20 16:56	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*89.4 %*	*75-125*		*P0I0206*	*09/02/20 11:10*	*09/02/20 16:56*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*86.0 %*	*75-125*		*P0I0206*	*09/02/20 11:10*	*09/02/20 16:56*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**172**	1.03	mg/kg dry	1	P0I0103	09/01/20 09:16	09/01/20 17:37	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P0H2701	08/27/20 09:18	08/27/20 09:24	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P0H2607	08/26/20 13:20	08/27/20 04:13	TPH 8015M	
>C12-C28	**268**	25.8	mg/kg dry	1	P0H2607	08/26/20 13:20	08/27/20 04:13	TPH 8015M	
>C28-C35	**42.9**	25.8	mg/kg dry	1	P0H2607	08/26/20 13:20	08/27/20 04:13	TPH 8015M	
Surrogate: 1-Chlorooctane		*88.0 %*	*70-130*		*P0H2607*	*08/26/20 13:20*	*08/27/20 04:13*	*TPH 8015M*	
Surrogate: o-Terphenyl		*102 %*	*70-130*		*P0H2607*	*08/26/20 13:20*	*08/27/20 04:13*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**311**	25.8	mg/kg dry	1	[CALC]	08/26/20 13:20	08/27/20 04:13	calc	

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Project Manager: Matt Green

Fax: (432) 563-2213

WSW-2 @ 6"

0H26005-08 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P0I0206	09/02/20 11:10	09/02/20 17:16	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P0I0206	09/02/20 11:10	09/02/20 17:16	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0I0206	09/02/20 11:10	09/02/20 17:16	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0I0206	09/02/20 11:10	09/02/20 17:16	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0I0206	09/02/20 11:10	09/02/20 17:16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*86.5 %*	*75-125*		*P0I0206*	*09/02/20 11:10*	*09/02/20 17:16*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*93.0 %*	*75-125*		*P0I0206*	*09/02/20 11:10*	*09/02/20 17:16*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**279**	1.02	mg/kg dry	1	P0I0107	09/01/20 14:53	09/02/20 09:41	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P0H2701	08/27/20 09:18	08/27/20 09:24	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P0H2607	08/26/20 13:20	08/27/20 04:37	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P0H2607	08/26/20 13:20	08/27/20 04:37	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0H2607	08/26/20 13:20	08/27/20 04:37	TPH 8015M	
Surrogate: 1-Chlorooctane		*87.8 %*	*70-130*		*P0H2607*	*08/26/20 13:20*	*08/27/20 04:37*	*TPH 8015M*	
Surrogate: o-Terphenyl		*101 %*	*70-130*		*P0H2607*	*08/26/20 13:20*	*08/27/20 04:37*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	08/26/20 13:20	08/27/20 04:37	calc	

E Tech Environmental & Safety Solutions, Inc.
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Project: Centennial Tour Bus 23 State 502,601,302 Checl
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Fax: (432) 563-2213

WSW-3 @ 6"

0H26005-09 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P0I0206	09/02/20 11:10	09/02/20 17:37	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0I0206	09/02/20 11:10	09/02/20 17:37	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0I0206	09/02/20 11:10	09/02/20 17:37	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0I0206	09/02/20 11:10	09/02/20 17:37	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0I0206	09/02/20 11:10	09/02/20 17:37	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*86.6 %*	*75-125*		*P0I0206*	*09/02/20 11:10*	*09/02/20 17:37*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*88.3 %*	*75-125*		*P0I0206*	*09/02/20 11:10*	*09/02/20 17:37*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**930**	1.03	mg/kg dry	1	P0I0107	09/01/20 14:53	09/02/20 10:22	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P0H2701	08/27/20 09:18	08/27/20 09:24	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P0H2607	08/26/20 13:20	08/27/20 05:00	TPH 8015M	
>C12-C28	**30.4**	25.8	mg/kg dry	1	P0H2607	08/26/20 13:20	08/27/20 05:00	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0H2607	08/26/20 13:20	08/27/20 05:00	TPH 8015M	
Surrogate: 1-Chlorooctane		*89.9 %*	*70-130*		*P0H2607*	*08/26/20 13:20*	*08/27/20 05:00*	*TPH 8015M*	
Surrogate: o-Terphenyl		*105 %*	*70-130*		*P0H2607*	*08/26/20 13:20*	*08/27/20 05:00*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**30.4**	25.8	mg/kg dry	1	[CALC]	08/26/20 13:20	08/27/20 05:00	calc	

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Fax: (432) 563-2213

WSW-4 @ 6"

0H26005-10 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P0I0206	09/02/20 11:10	09/02/20 17:57	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P0I0206	09/02/20 11:10	09/02/20 17:57	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0I0206	09/02/20 11:10	09/02/20 17:57	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0I0206	09/02/20 11:10	09/02/20 17:57	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0I0206	09/02/20 11:10	09/02/20 17:57	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*90.0 %*	*75-125*		*P0I0206*	*09/02/20 11:10*	*09/02/20 17:57*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*86.9 %*	*75-125*		*P0I0206*	*09/02/20 11:10*	*09/02/20 17:57*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**237**	1.01	mg/kg dry	1	P0I0107	09/01/20 14:53	09/02/20 10:36	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P0H2701	08/27/20 09:18	08/27/20 09:24	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.3	mg/kg dry	1	P0H2607	08/26/20 13:20	08/27/20 05:23	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0H2607	08/26/20 13:20	08/27/20 05:23	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0H2607	08/26/20 13:20	08/27/20 05:23	TPH 8015M	
Surrogate: 1-Chlorooctane		*86.7 %*	*70-130*		*P0H2607*	*08/26/20 13:20*	*08/27/20 05:23*	*TPH 8015M*	
Surrogate: o-Terphenyl		*97.6 %*	*70-130*		*P0H2607*	*08/26/20 13:20*	*08/27/20 05:23*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	08/26/20 13:20	08/27/20 05:23	calc	

E Tech Environmental & Safety Solutions, Inc.
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Odessa TX, 79765

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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 P0I0106 - General Preparation (GC)										
Blank (P0I0106-BLK1)				Prepared & Analyzed: 09/01/20						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.101*		"	*0.120*		*84.2*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.103*		"	*0.120*		*86.0*	*75-125*			
LCS (P0I0106-BS1)				Prepared & Analyzed: 09/01/20						
Benzene	0.101	0.00100	mg/kg wet	0.100		101	70-130			
Toluene	0.0976	0.00100	"	0.100		97.6	70-130			
Ethylbenzene	0.105	0.00100	"	0.100		105	70-130			
Xylene (p/m)	0.199	0.00200	"	0.200		99.3	70-130			
Xylene (o)	0.0991	0.00100	"	0.100		99.1	70-130			
Surrogate: 1,4-Difluorobenzene	*0.106*		"	*0.120*		*88.2*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.102*		"	*0.120*		*85.3*	*75-125*			
LCS Dup (P0I0106-BSD1)				Prepared & Analyzed: 09/01/20						
Benzene	0.0934	0.00100	mg/kg wet	0.100		93.4	70-130	7.90	20	
Toluene	0.0875	0.00100	"	0.100		87.5	70-130	10.9	20	
Ethylbenzene	0.0937	0.00100	"	0.100		93.7	70-130	11.6	20	
Xylene (p/m)	0.179	0.00200	"	0.200		89.4	70-130	10.5	20	
Xylene (o)	0.0878	0.00100	"	0.100		87.8	70-130	12.1	20	
Surrogate: 1,4-Difluorobenzene	*0.106*		"	*0.120*		*88.3*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.0997*		"	*0.120*		*83.1*	*75-125*			
Calibration Blank (P0I0106-CCB1)				Prepared & Analyzed: 09/01/20						
Benzene	0.00		mg/kg wet							
Toluene	0.700		"							
Ethylbenzene	0.410		"							
Xylene (p/m)	0.770		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.104*		"	*0.120*		*86.8*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.101*		"	*0.120*		*84.3*	*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 P0I0106 - General Preparation (GC)										
Calibration Blank (P0I0106-CCB2)				Prepared & Analyzed: 09/01/20						
Benzene	0.00		mg/kg wet							
Toluene	0.590		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.480		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.103*		*"*	*0.120*		*85.8*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.102*		*"*	*0.120*		*85.1*	*75-125*			
Calibration Check (P0I0106-CCV1)				Prepared & Analyzed: 09/01/20						
Benzene	0.0915	0.00100	mg/kg wet	0.100		91.5	80-120			
Toluene	0.0827	0.00100	"	0.100		82.7	80-120			
Ethylbenzene	0.0869	0.00100	"	0.100		86.9	80-120			
Xylene (p/m)	0.178	0.00200	"	0.200		88.8	80-120			
Xylene (o)	0.0913	0.00100	"	0.100		91.3	80-120			
Surrogate: 1,4-Difluorobenzene	*0.103*		*"*	*0.120*		*85.9*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.108*		*"*	*0.120*		*89.9*	*75-125*			
Calibration Check (P0I0106-CCV2)				Prepared & Analyzed: 09/01/20						
Benzene	0.101	0.00100	mg/kg wet	0.100		101	80-120			
Toluene	0.0946	0.00100	"	0.100		94.6	80-120			
Ethylbenzene	0.0970	0.00100	"	0.100		97.0	80-120			
Xylene (p/m)	0.190	0.00200	"	0.200		94.9	80-120			
Xylene (o)	0.0986	0.00100	"	0.100		98.6	80-120			
Surrogate: 4-Bromofluorobenzene	*0.104*		*"*	*0.120*		*86.7*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.108*		*"*	*0.120*		*89.7*	*75-125*			
Calibration Check (P0I0106-CCV3)				Prepared: 09/01/20 Analyzed: 09/02/20						
Benzene	0.0973	0.00100	mg/kg wet	0.100		97.3	80-120			
Toluene	0.0976	0.00100	"	0.100		97.6	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.196	0.00200	"	0.200		97.8	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 4-Bromofluorobenzene	*0.109*		*"*	*0.120*		*90.7*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.106*		*"*	*0.120*		*88.2*	*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 P0I0106 - General Preparation (GC)										
Matrix Spike (P0I0106-MS1)		**Source: 0I01007-01**		Prepared & Analyzed: 09/01/20						
Benzene	0.0681	0.00110	mg/kg dry	0.110	ND	62.0	80-120			QM-07
Toluene	0.0473	0.00110	"	0.110	0.00110	42.0	80-120			QM-07
Ethylbenzene	0.0508	0.00110	"	0.110	0.00590	40.9	80-120			QM-07
Xylene (p/m)	0.105	0.00220	"	0.220	0.0345	32.3	80-120			QM-07
Xylene (o)	0.0502	0.00110	"	0.110	0.0119	34.8	80-120			QM-07
Surrogate: 4-Bromofluorobenzene	*0.112*		*"*	*0.132*		*85.2*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.132*		*91.7*	*75-125*			
Matrix Spike Dup (P0I0106-MSD1)		**Source: 0I01007-01**		Prepared: 09/01/20 Analyzed: 09/02/20						
Benzene	0.0710	0.00110	mg/kg dry	0.110	ND	64.7	80-120	4.23	20	QM-07
Toluene	0.0453	0.00110	"	0.110	0.00110	40.2	80-120	4.28	20	QM-07
Ethylbenzene	0.0501	0.00110	"	0.110	0.00590	40.2	80-120	1.58	20	QM-07
Xylene (p/m)	0.102	0.00220	"	0.220	0.0345	30.7	80-120	5.07	20	QM-07
Xylene (o)	0.0480	0.00110	"	0.110	0.0119	32.8	80-120	5.86	20	QM-07
Surrogate: 1,4-Difluorobenzene	*0.124*		*"*	*0.132*		*94.2*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.114*		*"*	*0.132*		*86.1*	*75-125*			
Batch P0I0206 - General Preparation (GC)										
Blank (P0I0206-BLK1)				Prepared & Analyzed: 09/02/20						
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: 4-Bromofluorobenzene	*0.0974*		*"*	*0.120*		*81.2*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.101*		*"*	*0.120*		*84.1*	*75-125*			

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Fax: (432) 563-2213

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0I0206 - General Preparation (GC)										
LCS (P0I0206-BS1)				Prepared & Analyzed: 09/02/20						
Benzene	0.102	0.00100	mg/kg wet	0.100		102	70-130			
Toluene	0.0886	0.00100	"	0.100		88.6	70-130			
Ethylbenzene	0.0941	0.00100	"	0.100		94.1	70-130			
Xylene (p/m)	0.189	0.00200	"	0.200		94.6	70-130			
Xylene (o)	0.0924	0.00100	"	0.100		92.4	70-130			
Surrogate: 1,4-Difluorobenzene	*0.101*		*"*	*0.120*		*84.5*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.0975*		*"*	*0.120*		*81.3*	*75-125*			
LCS Dup (P0I0206-BSD1)				Prepared & Analyzed: 09/02/20						
Benzene	0.111	0.00100	mg/kg wet	0.100		111	70-130	9.15	20	
Toluene	0.106	0.00100	"	0.100		106	70-130	18.2	20	
Ethylbenzene	0.105	0.00100	"	0.100		105	70-130	11.1	20	
Xylene (p/m)	0.218	0.00200	"	0.200		109	70-130	14.3	20	
Xylene (o)	0.105	0.00100	"	0.100		105	70-130	12.8	20	
Surrogate: 1,4-Difluorobenzene	*0.105*		*"*	*0.120*		*87.8*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.0998*		*"*	*0.120*		*83.1*	*75-125*			
Calibration Check (P0I0206-CCV1)				Prepared & Analyzed: 09/02/20						
Benzene	0.101	0.00100	mg/kg wet	0.100		101	80-120			
Toluene	0.0895	0.00100	"	0.100		89.5	80-120			
Ethylbenzene	0.0932	0.00100	"	0.100		93.2	80-120			
Xylene (p/m)	0.188	0.00200	"	0.200		93.8	80-120			
Xylene (o)	0.0937	0.00100	"	0.100		93.7	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0973*		*"*	*0.120*		*81.1*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.101*		*"*	*0.120*		*83.8*	*75-125*			
Calibration Check (P0I0206-CCV2)				Prepared & Analyzed: 09/02/20						
Benzene	0.0991	0.00100	mg/kg wet	0.100		99.1	80-120			
Toluene	0.0947	0.00100	"	0.100		94.7	80-120			
Ethylbenzene	0.0962	0.00100	"	0.100		96.2	80-120			
Xylene (p/m)	0.185	0.00200	"	0.200		92.6	80-120			
Xylene (o)	0.0962	0.00100	"	0.100		96.2	80-120			
Surrogate: 4-Bromofluorobenzene	*0.102*		*"*	*0.120*		*85.1*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.106*		*"*	*0.120*		*88.5*	*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 P0I0206 - General Preparation (GC)										
Calibration Check (P0I0206-CCV3)				Prepared: 09/02/20 Analyzed: 09/03/20						
Benzene	0.0987	0.00100	mg/kg wet	0.100		98.7	80-120			
Toluene	0.0890	0.00100	"	0.100		89.0	80-120			
Ethylbenzene	0.0903	0.00100	"	0.100		90.3	80-120			
Xylene (p/m)	0.176	0.00200	"	0.200		87.8	80-120			
Xylene (o)	0.0940	0.00100	"	0.100		94.0	80-120			
Surrogate: 1,4-Difluorobenzene	*0.106*		*"*	*0.120*		*87.9*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.0965*		*"*	*0.120*		*80.4*	*75-125*			
Matrix Spike (P0I0206-MS1)		**Source: 0I02003-01**		Prepared & Analyzed: 09/02/20						
Benzene	0.0884	0.00105	mg/kg dry	0.105	ND	84.0	80-120			
Toluene	0.0762	0.00105	"	0.105	ND	72.4	80-120			QM-07
Ethylbenzene	0.0933	0.00105	"	0.105	ND	88.6	80-120			
Xylene (p/m)	0.156	0.00211	"	0.211	ND	74.2	80-120			QM-07
Xylene (o)	0.0781	0.00105	"	0.105	ND	74.2	80-120			QM-07
Surrogate: 4-Bromofluorobenzene	*0.110*		*"*	*0.126*		*86.9*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.113*		*"*	*0.126*		*89.6*	*75-125*			
Matrix Spike Dup (P0I0206-MSD1)		**Source: 0I02003-01**		Prepared: 09/02/20 Analyzed: 09/03/20						
Benzene	0.0926	0.00105	mg/kg dry	0.105	ND	87.9	80-120	4.61	20	
Toluene	0.0791	0.00105	"	0.105	ND	75.1	80-120	3.73	20	QM-07
Ethylbenzene	0.100	0.00105	"	0.105	ND	95.4	80-120	7.42	20	
Xylene (p/m)	0.166	0.00211	"	0.211	ND	79.0	80-120	6.30	20	QM-07
Xylene (o)	0.0838	0.00105	"	0.105	ND	79.6	80-120	7.11	20	QM-07
Surrogate: 4-Bromofluorobenzene	*0.112*		*"*	*0.126*		*88.4*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.113*		*"*	*0.126*		*89.3*	*75-125*			

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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 P0H2701 - * DEFAULT PREP *** **										
Blank (P0H2701-BLK1)				Prepared & Analyzed: 08/27/20						
% Moisture	ND	0.1	%							
Blank (P0H2701-BLK2)				Prepared & Analyzed: 08/27/20						
% Moisture	ND	0.1	%							
Blank (P0H2701-BLK3)				Prepared & Analyzed: 08/27/20						
% Moisture	ND	0.1	%							
Blank (P0H2701-BLK4)				Prepared & Analyzed: 08/27/20						
% Moisture	ND	0.1	%							
Blank (P0H2701-BLK5)				Prepared & Analyzed: 08/27/20						
% Moisture	ND	0.1	%							
Duplicate (P0H2701-DUP1)	**Source: 0H26003-01**			Prepared & Analyzed: 08/27/20						
% Moisture	8.0	0.1	%		8.0			0.00	20	
Duplicate (P0H2701-DUP2)	**Source: 0H26005-09**			Prepared & Analyzed: 08/27/20						
% Moisture	3.0	0.1	%		3.0			0.00	20	
Duplicate (P0H2701-DUP3)	**Source: 0H26009-07**			Prepared & Analyzed: 08/27/20						
% Moisture	ND	0.1	%		ND				20	
Duplicate (P0H2701-DUP4)	**Source: 0H26018-02**			Prepared & Analyzed: 08/27/20						
% Moisture	12.0	0.1	%		12.0			0.00	20	
Duplicate (P0H2701-DUP5)	**Source: 0H26022-01**			Prepared & Analyzed: 08/27/20						
% Moisture	4.0	0.1	%		5.0			22.2	20	

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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 P0H2701 - * DEFAULT PREP *** **										
Duplicate (P0H2701-DUP6)		**Source: 0H26023-05**		Prepared & Analyzed: 08/27/20						
% Moisture	ND	0.1	%		ND				20	
Duplicate (P0H2701-DUP7)		**Source: 0H26024-01**		Prepared & Analyzed: 08/27/20						
% Moisture	10.0	0.1	%		10.0			0.00	20	
Duplicate (P0H2701-DUP8)		**Source: 0H26024-11**		Prepared & Analyzed: 08/27/20						
% Moisture	13.0	0.1	%		12.0			8.00	20	
Duplicate (P0H2701-DUP9)		**Source: 0H26026-02**		Prepared & Analyzed: 08/27/20						
% Moisture	12.0	0.1	%		12.0			0.00	20	
Duplicate (P0H2701-DUPA)		**Source: 0H26026-12**		Prepared & Analyzed: 08/27/20						
% Moisture	13.0	0.1	%		13.0			0.00	20	
Batch P0I0103 - * DEFAULT PREP *** **										
Blank (P0I0103-BLK1)				Prepared & Analyzed: 09/01/20						
Chloride	ND	1.00	mg/kg wet							
LCS (P0I0103-BS1)				Prepared & Analyzed: 09/01/20						
Chloride	409	1.00	mg/kg wet	400		102	80-120			
LCS Dup (P0I0103-BSD1)				Prepared & Analyzed: 09/01/20						
Chloride	408	1.00	mg/kg wet	400		102	80-120	0.245	20	
Calibration Blank (P0I0103-CCB1)				Prepared & Analyzed: 09/01/20						
Chloride	0.00		mg/kg wet							

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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 P0I0103 - * DEFAULT PREP *** **										
Calibration Blank (P0I0103-CCB2)				Prepared & Analyzed: 09/01/20						
Chloride	0.00		mg/kg wet							
Calibration Check (P0I0103-CCV1)				Prepared & Analyzed: 09/01/20						
Chloride	18.9		mg/kg	20.0		94.7	0-200			
Calibration Check (P0I0103-CCV2)				Prepared & Analyzed: 09/01/20						
Chloride	19.0		mg/kg	20.0		95.0	0-200			
Calibration Check (P0I0103-CCV3)				Prepared & Analyzed: 09/01/20						
Chloride	19.1		mg/kg	20.0		95.7	0-200			
Matrix Spike (P0I0103-MS1)		**Source: 0H31003-21**		Prepared & Analyzed: 09/01/20						
Chloride	531	1.03	mg/kg dry	515	28.7	97.5	80-120			
Matrix Spike (P0I0103-MS2)		**Source: 0H31003-31**		Prepared & Analyzed: 09/01/20						
Chloride	516	1.04	mg/kg dry	521	20.6	95.2	80-120			
Matrix Spike Dup (P0I0103-MSD1)		**Source: 0H31003-21**		Prepared & Analyzed: 09/01/20						
Chloride	515	1.03	mg/kg dry	515	28.7	94.3	80-120	3.10	20	
Matrix Spike Dup (P0I0103-MSD2)		**Source: 0H31003-31**		Prepared & Analyzed: 09/01/20						
Chloride	513	1.04	mg/kg dry	521	20.6	94.5	80-120	0.692	20	
Batch P0I0107 - * DEFAULT PREP *** **										
Blank (P0I0107-BLK1)				Prepared: 09/01/20 Analyzed: 09/02/20						
Chloride	ND	1.00	mg/kg wet							

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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 P0I0107 - * DEFAULT PREP *** **										
LCS (P0I0107-BS1)				Prepared: 09/01/20 Analyzed: 09/02/20						
Chloride	411	1.00	mg/kg wet	400		103	80-120			
LCS Dup (P0I0107-BSD1)				Prepared: 09/01/20 Analyzed: 09/02/20						
Chloride	407	1.00	mg/kg wet	400		102	80-120	1.17	20	
Calibration Blank (P0I0107-CCB1)				Prepared: 09/01/20 Analyzed: 09/02/20						
Chloride	0.00		mg/kg wet							
Calibration Blank (P0I0107-CCB2)				Prepared: 09/01/20 Analyzed: 09/02/20						
Chloride	0.00		mg/kg wet							
Calibration Check (P0I0107-CCV1)				Prepared: 09/01/20 Analyzed: 09/02/20						
Chloride	19.3		mg/kg	20.0		96.3	0-200			
Calibration Check (P0I0107-CCV2)				Prepared: 09/01/20 Analyzed: 09/02/20						
Chloride	19.7		mg/kg	20.0		98.4	0-200			
Calibration Check (P0I0107-CCV3)				Prepared: 09/01/20 Analyzed: 09/02/20						
Chloride	19.7		mg/kg	20.0		98.4	0-200			
Matrix Spike (P0I0107-MS1)		**Source: 0H26005-08**		Prepared: 09/01/20 Analyzed: 09/02/20						
Chloride	744	1.02	mg/kg dry	510	279	91.2	80-120			
Matrix Spike (P0I0107-MS2)		**Source: 0H26019-04**		Prepared: 09/01/20 Analyzed: 09/02/20						
Chloride	2870	5.32	mg/kg dry	532	2340	98.1	80-120			
Matrix Spike Dup (P0I0107-MSD1)		**Source: 0H26005-08**		Prepared: 09/01/20 Analyzed: 09/02/20						
Chloride	772	1.02	mg/kg dry	510	279	96.6	80-120	3.61	20	

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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 P0I0107 - * DEFAULT PREP *** **										
Matrix Spike Dup (P0I0107-MSD2)	**Source: 0H26019-04**			Prepared: 09/01/20 Analyzed: 09/02/20						
Chloride	2890	5.32	mg/kg dry	532	2340	102	80-120	0.752	20	

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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 P0H2606 - TX 1005										
Blank (P0H2606-BLK1)				Prepared & Analyzed: 08/26/20						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*74.0*		*"*	*100*		*74.0*	*70-130*			
Surrogate: o-Terphenyl	*41.5*		*"*	*50.0*		*83.0*	*70-130*			
LCS (P0H2606-BS1)				Prepared & Analyzed: 08/26/20						
C6-C12	876	25.0	mg/kg wet	1000		87.6	75-125			
>C12-C28	1020	25.0	"	1000		102	75-125			
Surrogate: 1-Chlorooctane	*102*		*"*	*100*		*102*	*70-130*			
Surrogate: o-Terphenyl	*45.0*		*"*	*50.0*		*90.0*	*70-130*			
LCS Dup (P0H2606-BSD1)				Prepared & Analyzed: 08/26/20						
C6-C12	836	25.0	mg/kg wet	1000		83.6	75-125	4.65	20	
>C12-C28	992	25.0	"	1000		99.2	75-125	3.07	20	
Surrogate: 1-Chlorooctane	*95.9*		*"*	*100*		*95.9*	*70-130*			
Surrogate: o-Terphenyl	*43.4*		*"*	*50.0*		*86.8*	*70-130*			
Calibration Check (P0H2606-CCV1)				Prepared & Analyzed: 08/26/20						
C6-C12	472	25.0	mg/kg wet	500		94.4	85-115			
>C12-C28	517	25.0	"	500		103	85-115			
Surrogate: 1-Chlorooctane	*91.0*		*"*	*100*		*91.0*	*70-130*			
Surrogate: o-Terphenyl	*45.2*		*"*	*50.0*		*90.4*	*70-130*			
Calibration Check (P0H2606-CCV2)				Prepared & Analyzed: 08/26/20						
C6-C12	457	25.0	mg/kg wet	500		91.4	85-115			
>C12-C28	474	25.0	"	500		94.7	85-115			
Surrogate: 1-Chlorooctane	*91.2*		*"*	*100*		*91.2*	*70-130*			
Surrogate: o-Terphenyl	*44.1*		*"*	*50.0*		*88.1*	*70-130*			

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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 P0H2606 - TX 1005										
Matrix Spike (P0H2606-MS1)	**Source: 0H26005-05**			Prepared: 08/26/20 Analyzed: 08/27/20						
C6-C12	1030	26.3	mg/kg dry	1050	10.0	97.3	75-125			
>C12-C28	1270	26.3	"	1050	17.2	119	75-125			
Surrogate: 1-Chlorooctane	*122*		*"*	*105*		*115*	*70-130*			
Surrogate: o-Terphenyl	*54.4*		*"*	*52.6*		*103*	*70-130*			
Matrix Spike Dup (P0H2606-MSD1)	**Source: 0H26005-05**			Prepared: 08/26/20 Analyzed: 08/27/20						
C6-C12	992	26.3	mg/kg dry	1050	10.0	93.3	75-125	4.17	20	
>C12-C28	1230	26.3	"	1050	17.2	115	75-125	3.55	20	
Surrogate: 1-Chlorooctane	*116*		*"*	*105*		*111*	*70-130*			
Surrogate: o-Terphenyl	*51.6*		*"*	*52.6*		*98.0*	*70-130*			
Batch P0H2607 - TX 1005										
Blank (P0H2607-BLK1)				Prepared: 08/26/20 Analyzed: 08/27/20						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*83.9*		*"*	*100*		*83.9*	*70-130*			
Surrogate: o-Terphenyl	*46.8*		*"*	*50.0*		*93.6*	*70-130*			
LCS (P0H2607-BS1)				Prepared: 08/26/20 Analyzed: 08/27/20						
C6-C12	884	25.0	mg/kg wet	1000		88.4	75-125			
>C12-C28	1050	25.0	"	1000		105	75-125			
Surrogate: 1-Chlorooctane	*109*		*"*	*100*		*109*	*70-130*			
Surrogate: o-Terphenyl	*46.9*		*"*	*50.0*		*93.8*	*70-130*			
LCS Dup (P0H2607-BSD1)				Prepared: 08/26/20 Analyzed: 08/27/20						
C6-C12	864	25.0	mg/kg wet	1000		86.4	75-125	2.24	20	
>C12-C28	1040	25.0	"	1000		104	75-125	0.976	20	
Surrogate: 1-Chlorooctane	*107*		*"*	*100*		*107*	*70-130*			
Surrogate: o-Terphenyl	*46.3*		*"*	*50.0*		*92.7*	*70-130*			

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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 P0H2607 - TX 1005										
Calibration Check (P0H2607-CCV1)				Prepared: 08/26/20 Analyzed: 08/27/20						
C6-C12	470	25.0	mg/kg wet	500		93.9	85-115			
>C12-C28	510	25.0	"	500		102	85-115			
Surrogate: 1-Chlorooctane	*97.9*		*"*	*100*		*97.9*	*70-130*			
Surrogate: o-Terphenyl	*48.3*		*"*	*50.0*		*96.6*	*70-130*			
Calibration Check (P0H2607-CCV2)				Prepared: 08/26/20 Analyzed: 08/27/20						
C6-C12	450	25.0	mg/kg wet	500		90.0	85-115			
>C12-C28	486	25.0	"	500		97.3	85-115			
Surrogate: 1-Chlorooctane	*92.2*		*"*	*100*		*92.2*	*70-130*			
Surrogate: o-Terphenyl	*46.2*		*"*	*50.0*		*92.4*	*70-130*			
Calibration Check (P0H2607-CCV3)				Prepared: 08/26/20 Analyzed: 08/27/20						
C6-C12	457	25.0	mg/kg wet	500		91.3	85-115			
>C12-C28	521	25.0	"	500		104	85-115			
Surrogate: 1-Chlorooctane	*95.6*		*"*	*100*		*95.6*	*70-130*			
Surrogate: o-Terphenyl	*48.1*		*"*	*50.0*		*96.3*	*70-130*			
Matrix Spike (P0H2607-MS1)	**Source: 0H26009-08**			Prepared: 08/26/20 Analyzed: 08/27/20						
C6-C12	919	25.3	mg/kg dry	1010	10.6	89.9	75-125			
>C12-C28	1130	25.3	"	1010	17.4	110	75-125			
Surrogate: 1-Chlorooctane	*109*		*"*	*101*		*108*	*70-130*			
Surrogate: o-Terphenyl	*50.6*		*"*	*50.5*		*100*	*70-130*			
Matrix Spike Dup (P0H2607-MSD1)	**Source: 0H26009-08**			Prepared: 08/26/20 Analyzed: 08/27/20						
C6-C12	933	25.3	mg/kg dry	1010	10.6	91.3	75-125	1.55	20	
>C12-C28	1140	25.3	"	1010	17.4	111	75-125	1.45	20	
Surrogate: 1-Chlorooctane	*112*		*"*	*101*		*110*	*70-130*			
Surrogate: o-Terphenyl	*49.2*		*"*	*50.5*		*97.4*	*70-130*			

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

Project: Centennial Tour Bus 23 State 502,601,302 Checl
Project Number: 12596
Project Manager: Matt Green

Fax: (432) 563-2213

Notes and Definitions

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

Report Approved By: Brent Barron Date: 9/3/2020

Brent Barron, Laboratory Director/Technical Director

LMD CK

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706

Phone: 432-661-4184

Project Manager: Matt Green
Company Name: Etech Environmental and Safety Solutions, Inc.
Company Address: 13000 W CR 100
City/State/Zip: Odessa, Texas 79765
Telephone No: (432)230-3763 Fax No:
Sampler Signature:
e-mail: Matt@etechenv.com wesley@etechenv.com

Project Name: Tour Bus 23 State 502, 601, 302 Check Valv
Project #: 12596
Project Loc: Lea County, NM
PO #: Centennial
Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: OH26005

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 Ext 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.	Chlorides E 300			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	NSW @ 6"			8/21/2020	800		1	X									X							X			X				X
2	SSW @ 6"			8/21/2020	900		1	X									X							X			X				X
3	ESW-1 @ 6"			8/21/2020	815		1	X									X							X			X				X
4	ESW-2 @ 6"			8/21/2020	825		1	X									X							X			X				X
5	ESW-3 @ 6"			8/21/2020	835		1	X									X							X			X				X
6	ESW-4 @ 6"			8/21/2020	845		1	X									X							X			X				X
7	WSW-1 @ 6"			8/21/2020	820		1	X									X							X			X				X
8	WSW-2 @ 6"			8/21/2020	830		1	X									X							X			X				X
9	WSW-3 @ 6"			8/21/2020	840		1	X									X							X			X				X
10	WSW-4 @ 6"			8/21/2020	850		1	X									X							X			X				X

Special Instructions:
Bill to Centennial

Relinquished by:	Date	Time	Received by:	Date	Time
	8/25/20	16:52			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				8/25/20	16:52

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

by Courier? UPS DHL FedEX Lone Star

Temperature Upon Receipt:
Received: 4 °C
Adjusted: 5 °C Factor CF +1

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

PBELAB

Analytical Report

Prepared for:

Matt Green

E Tech Environmental & Safety Solutions, Inc.

13000 West County Road 100

Odessa, TX 79765

Project: Centennial Tour Bus 23 State 502,601,302 Check Val

Project Number: 12596

Location: Lea County, NM

Lab Order Number: 0I30002

NELAP ACCREDITED TNI LABORATORY

NELAP/TCEQ # T104704516-17-8

Report Date: 10/08/20

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

Project: Centennial Tour Bus 23 State 502,601,302 Checl
Project Number: 12596
Project Manager: Matt Green

Fax: (432) 563-2213

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
NSW @ 6"	0I30002-01	Soil	09/22/20 13:30	09-29-2020 16:17
ESW-1 @ 6"	0I30002-02	Soil	09/22/20 13:15	09-29-2020 16:17
ESW-3 @ 6"	0I30002-03	Soil	09/22/20 14:00	09-29-2020 16:17
WSW-1 @ 6"	0I30002-04	Soil	09/22/20 13:18	09-29-2020 16:17
WSW-3 @ 6"	0I30002-05	Soil	09/22/20 14:20	09-29-2020 16:17
Stockpile 2	0I30002-06	Soil	09/22/20 13:10	09-29-2020 16:17

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Odessa TX, 79765

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Project Manager: Matt Green

Fax: (432) 563-2213

NSW @ 6''

0I30002-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
% Moisture	**4.0**	0.1	%	1	P0J0102	10/01/20	10/01/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P0I3002	09/30/20	09/30/20	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0I3002	09/30/20	09/30/20	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0I3002	09/30/20	09/30/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		*P0I3002*	*09/30/20*	*09/30/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*114 %*	*70-130*		*P0I3002*	*09/30/20*	*09/30/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	09/30/20	09/30/20	calc	

E Tech Environmental & Safety Solutions, Inc.	Project: Centennial Tour Bus 23 State 502,601,302 Checl	Fax: (432) 563-2213
13000 West County Road 100	Project Number: 12596	
Odessa TX, 79765	Project Manager: Matt Green	

ESW-1 @ 6"

0I30002-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
% Moisture	**6.0**	0.1	%	1	P0J0102	10/01/20	10/01/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.6	mg/kg dry	1	P0I3002	09/30/20	09/30/20	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P0I3002	09/30/20	09/30/20	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P0I3002	09/30/20	09/30/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*113 %*	*70-130*		*P0I3002*	*09/30/20*	*09/30/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*124 %*	*70-130*		*P0I3002*	*09/30/20*	*09/30/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	09/30/20	09/30/20	calc	

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

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Project Number: 12596
Project Manager: Matt Green

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ESW-3 @ 6"

0I30002-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**271**	1.11	mg/kg dry	1	P0J0703	10/07/20	10/07/20	EPA 300.0	
% Moisture	**10.0**	0.1	%	1	P0J0102	10/01/20	10/01/20	ASTM D2216	

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

Project: Centennial Tour Bus 23 State 502,601,302 Checl
Project Number: 12596
Project Manager: Matt Green

Fax: (432) 563-2213

WSW-1 @ 6"

0I30002-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
% Moisture	**7.0**	0.1	%	1	P0J0102	10/01/20	10/01/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P0I3002	09/30/20	09/30/20	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P0I3002	09/30/20	09/30/20	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P0I3002	09/30/20	09/30/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*P0I3002*	*09/30/20*	*09/30/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*112 %*	*70-130*		*P0I3002*	*09/30/20*	*09/30/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	09/30/20	09/30/20	calc	

E Tech Environmental & Safety Solutions, Inc.
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Odessa TX, 79765

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Project Manager: Matt Green

Fax: (432) 563-2213

WSW-3 @ 6"

0I30002-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**173**	1.06	mg/kg dry	1	P0J0703	10/07/20	10/07/20	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P0J0102	10/01/20	10/01/20	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc.	Project: Centennial Tour Bus 23 State 502,601,302 Checl	Fax: (432) 563-2213
13000 West County Road 100	Project Number: 12596	
Odessa TX, 79765	Project Manager: Matt Green	

Stockpile 2

0I30002-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0I3009	09/30/20	10/01/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*113 %*	*75-125*		*P0I3009*	*09/30/20*	*10/01/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*103 %*	*75-125*		*P0I3009*	*09/30/20*	*10/01/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**301**	1.05	mg/kg dry	1	P0J0703	10/07/20	10/07/20	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P0J0102	10/01/20	10/01/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P0I3002	09/30/20	09/30/20	TPH 8015M	
>C12-C28	**162**	26.3	mg/kg dry	1	P0I3002	09/30/20	09/30/20	TPH 8015M	
>C28-C35	**42.0**	26.3	mg/kg dry	1	P0I3002	09/30/20	09/30/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*100 %*	*70-130*		*P0I3002*	*09/30/20*	*09/30/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*109 %*	*70-130*		*P0I3002*	*09/30/20*	*09/30/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**205**	26.3	mg/kg dry	1	[CALC]	09/30/20	09/30/20	calc	

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

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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 P0I3009 - General Preparation (GC)										
Blank (P0I3009-BLK1)				Prepared: 09/30/20 Analyzed: 10/01/20						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*101*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.139*		*"*	*0.120*		*116*	*75-125*			
LCS (P0I3009-BS1)				Prepared: 09/30/20 Analyzed: 10/01/20						
Benzene	0.0912	0.00100	mg/kg wet	0.100		91.2	70-130			
Toluene	0.0886	0.00100	"	0.100		88.6	70-130			
Ethylbenzene	0.0970	0.00100	"	0.100		97.0	70-130			
Xylene (p/m)	0.193	0.00200	"	0.200		96.7	70-130			
Xylene (o)	0.111	0.00100	"	0.100		111	70-130			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.6*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.159*		*"*	*0.120*		*132*	*75-125*			*S-GC*
LCS Dup (P0I3009-BSD1)				Prepared: 09/30/20 Analyzed: 10/01/20						
Benzene	0.0828	0.00100	mg/kg wet	0.100		82.8	70-130	9.66	20	
Toluene	0.0833	0.00100	"	0.100		83.3	70-130	6.21	20	
Ethylbenzene	0.0925	0.00100	"	0.100		92.5	70-130	4.78	20	
Xylene (p/m)	0.171	0.00200	"	0.200		85.7	70-130	12.0	20	
Xylene (o)	0.100	0.00100	"	0.100		100	70-130	10.0	20	
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*102*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.145*		*"*	*0.120*		*121*	*75-125*			
Calibration Check (P0I3009-CCV1)				Prepared: 09/30/20 Analyzed: 10/01/20						
Benzene	0.0900	0.00100	mg/kg wet	0.100		90.0	80-120			
Toluene	0.0883	0.00100	"	0.100		88.3	80-120			
Ethylbenzene	0.0994	0.00100	"	0.100		99.4	80-120			
Xylene (p/m)	0.175	0.00200	"	0.200		87.3	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.7*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.116*		*"*	*0.120*		*96.7*	*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 P0I3009 - General Preparation (GC)										
Calibration Check (P0I3009-CCV2)				Prepared: 09/30/20 Analyzed: 10/01/20						
Benzene	0.0876	0.00100	mg/kg wet	0.100		87.6	80-120			
Toluene	0.0861	0.00100	"	0.100		86.1	80-120			
Ethylbenzene	0.0966	0.00100	"	0.100		96.6	80-120			
Xylene (p/m)	0.177	0.00200	"	0.200		88.4	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 4-Bromofluorobenzene	*0.146*		*"*	*0.120*		*121*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*99.8*	*75-125*			
Calibration Check (P0I3009-CCV3)				Prepared: 09/30/20 Analyzed: 10/01/20						
Benzene	0.0852	0.00100	mg/kg wet	0.100		85.2	80-120			
Toluene	0.0873	0.00100	"	0.100		87.3	80-120			
Ethylbenzene	0.0952	0.00100	"	0.100		95.2	80-120			
Xylene (p/m)	0.171	0.00200	"	0.200		85.4	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 4-Bromofluorobenzene	*0.138*		*"*	*0.120*		*115*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*101*	*75-125*			
Matrix Spike (P0I3009-MS1)		**Source: 0I23010-72**		Prepared: 09/30/20 Analyzed: 10/01/20						
Benzene	0.0774	0.00100	mg/kg dry	0.100	ND	77.4	80-120			QM-07
Toluene	0.0763	0.00100	"	0.100	ND	76.3	80-120			QM-07
Ethylbenzene	0.0832	0.00100	"	0.100	ND	83.2	80-120			
Xylene (p/m)	0.132	0.00200	"	0.200	ND	66.2	80-120			QM-07
Xylene (o)	0.0729	0.00100	"	0.100	ND	72.9	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	*0.125*		*"*	*0.120*		*105*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.146*		*"*	*0.120*		*122*	*75-125*			
Matrix Spike Dup (P0I3009-MSD1)		**Source: 0I23010-72**		Prepared: 09/30/20 Analyzed: 10/01/20						
Benzene	0.0715	0.00100	mg/kg dry	0.100	ND	71.5	80-120	7.94	20	QM-07
Toluene	0.0726	0.00100	"	0.100	ND	72.6	80-120	5.00	20	QM-07
Ethylbenzene	0.0781	0.00100	"	0.100	ND	78.1	80-120	6.30	20	QM-07
Xylene (p/m)	0.125	0.00200	"	0.200	ND	62.3	80-120	6.18	20	QM-07
Xylene (o)	0.0687	0.00100	"	0.100	ND	68.7	80-120	5.96	20	QM-07
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*99.6*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.137*		*"*	*0.120*		*115*	*75-125*			

E Tech Environmental & Safety Solutions, Inc.
13000 West County Road 100
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Project: Centennial Tour Bus 23 State 502,601,302 Checl
Project Number: 12596
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
Batch P0J0102 - * DEFAULT PREP *** **										
Blank (P0J0102-BLK1)				Prepared & Analyzed: 10/01/20						
% Moisture	ND	0.1	%							
Blank (P0J0102-BLK2)				Prepared & Analyzed: 10/01/20						
% Moisture	ND	0.1	%							
Blank (P0J0102-BLK3)				Prepared & Analyzed: 10/01/20						
% Moisture	ND	0.1	%							
Duplicate (P0J0102-DUP1)		**Source: 0I30001-10**		Prepared & Analyzed: 10/01/20						
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P0J0102-DUP2)		**Source: 0I30004-01**		Prepared & Analyzed: 10/01/20						
% Moisture	15.0	0.1	%		16.0			6.45	20	
Duplicate (P0J0102-DUP3)		**Source: 0I30005-08**		Prepared & Analyzed: 10/01/20						
% Moisture	12.0	0.1	%		13.0			8.00	20	
Duplicate (P0J0102-DUP4)		**Source: 0I30009-03**		Prepared & Analyzed: 10/01/20						
% Moisture	7.0	0.1	%		7.0			0.00	20	
Batch P0J0703 - * DEFAULT PREP *** **										
Blank (P0J0703-BLK1)				Prepared & Analyzed: 10/07/20						
Chloride	ND	1.00	mg/kg wet							
LCS (P0J0703-BS1)				Prepared & Analyzed: 10/07/20						
Chloride	394	1.00	mg/kg wet	400		98.6	80-120			

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

Project: Centennial Tour Bus 23 State 502,601,302 Checl
Project Number: 12596
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
Batch P0J0703 - * DEFAULT PREP *** **										
LCS Dup (P0J0703-BSD1)				Prepared & Analyzed: 10/07/20						
Chloride	410	1.00	mg/kg wet	400		103	80-120	3.94	20	
Calibration Blank (P0J0703-CCB1)				Prepared & Analyzed: 10/07/20						
Chloride	0.00		mg/kg wet							
Calibration Blank (P0J0703-CCB2)				Prepared & Analyzed: 10/07/20						
Chloride	0.00		mg/kg wet							
Calibration Check (P0J0703-CCV1)				Prepared: 10/07/20 Analyzed: 10/08/20						
Chloride	18.4		mg/kg	20.0		91.9	0-200			
Calibration Check (P0J0703-CCV2)				Prepared & Analyzed: 10/07/20						
Chloride	19.6		mg/kg	20.0		98.0	0-200			
Calibration Check (P0J0703-CCV3)				Prepared & Analyzed: 10/07/20						
Chloride	19.6		mg/kg	20.0		98.0	0-200			
Matrix Spike (P0J0703-MS1)		**Source: 0I29001-07**		Prepared & Analyzed: 10/07/20						
Chloride	493	1.01	mg/kg dry	505	3.99	96.9	80-120			
Matrix Spike (P0J0703-MS2)		**Source: 0I30002-05**		Prepared & Analyzed: 10/07/20						
Chloride	698	1.06	mg/kg dry	532	173	98.6	80-120			
Matrix Spike Dup (P0J0703-MSD1)		**Source: 0I29001-07**		Prepared & Analyzed: 10/07/20						
Chloride	494	1.01	mg/kg dry	505	3.99	96.9	80-120	0.0921	20	
Matrix Spike Dup (P0J0703-MSD2)		**Source: 0I30002-05**		Prepared & Analyzed: 10/07/20						
Chloride	685	1.06	mg/kg dry	532	173	96.2	80-120	1.83	20	

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

Project: Centennial Tour Bus 23 State 502,601,302 Checl
Project Number: 12596
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.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0I3002 - TX 1005										
Calibration Check (P0I3002-CCV2)				Prepared & Analyzed: 09/30/20						
C6-C12	512	25.0	mg/kg wet	500		102	85-115			
>C12-C28	558	25.0	"	500		112	85-115			
Surrogate: 1-Chlorooctane	*90.8*		*"*	*100*		*90.8*	*70-130*			
Surrogate: o-Terphenyl	*41.6*		*"*	*50.0*		*83.3*	*70-130*			
Calibration Check (P0I3002-CCV3)				Prepared & Analyzed: 09/30/20						
C6-C12	459	25.0	mg/kg wet	500		91.8	85-115			
>C12-C28	533	25.0	"	500		107	85-115			
Surrogate: 1-Chlorooctane	*98.4*		*"*	*100*		*98.4*	*70-130*			
Surrogate: o-Terphenyl	*45.2*		*"*	*50.0*		*90.3*	*70-130*			
Matrix Spike (P0I3002-MS1)	**Source: 0I29005-04**			Prepared & Analyzed: 09/30/20						
C6-C12	967	27.2	mg/kg dry	1090	12.3	87.8	75-125			
>C12-C28	1170	27.2	"	1090	77.5	101	75-125			
Surrogate: 1-Chlorooctane	*124*		*"*	*109*		*114*	*70-130*			
Surrogate: o-Terphenyl	*51.3*		*"*	*54.3*		*94.4*	*70-130*			
Matrix Spike Dup (P0I3002-MSD1)	**Source: 0I29005-04**			Prepared & Analyzed: 09/30/20						
C6-C12	966	27.2	mg/kg dry	1090	12.3	87.7	75-125	0.156	20	
>C12-C28	1170	27.2	"	1090	77.5	100	75-125	0.570	20	
Surrogate: 1-Chlorooctane	*121*		*"*	*109*		*111*	*70-130*			
Surrogate: o-Terphenyl	*50.1*		*"*	*54.3*		*92.1*	*70-130*			

E Tech Environmental & Safety Solutions, Inc.	Project: Centennial Tour Bus 23 State 502,601,302 Checl	Fax: (432) 563-2213
13000 West County Road 100	Project Number: 12596	
Odessa TX, 79765	Project Manager: Matt Green	

Notes and Definitions

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

Report Approved By: Brent Barron Date: 10/8/2020

Brent Barron, Laboratory Director/Technical Director

E Tech Environmental & Safety Solutions, Inc.	Project:	Centennial Tour Bus 23 State 502,601,302 Checl	Fax: (432) 563-2213
13000 West County Road 100	Project Number:	12596	
Odessa TX, 79765	Project Manager:	Matt Green	

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706

Phone: 432-661-4184

Project Manager: Matt Green
Company Name: Etech Environmental and Safety Solutions, Inc.
Company Address: 13000 W CR 100
City/State/Zip: Odessa, Texas 79765
Telephone No: (432)230-3763 Fax No:
Sampler Signature:

Project Name: Tour Bus 23 State 502, 601, 302 Check Valve
Project #: 12596
Project Loc: Lea County, NM
PO #: Centennial
Report Format: [X] Standard [ ] TRRP [ ] NPDES

e-mail: Matt@etechenv.com
wesley@etechenv.com

(lab use only)
ORDER #: 0130002

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: 8015M	TOTAL: TPH: 418.1	TPH: TX 1005 Ext	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.	Chlorides E 300			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	NSW @ 6"			9/22/2020	1330		1	X								S	X																	X
2	ESW-1 @ 6"			9/22/2020	1315		1	X								S	X																	X
3	ESW-3 @ 6"			9/22/2020	1400		1	X								S														X				X
4	WSW-1 @ 6"			9/22/2020	1318		1	X								S	X																	X
5	WSW-3 @ 6"			9/22/2020	1420		1	X								S														X				X
6	Stockpile 2			9/22/2020	1310		1	X								S	X										X				X				X

Special Instructions:
Bill to Centennial

Relinquished by:	Date	Time	Received by:	Date	Time
	9/29/20	16:17			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELAB:	Date	Time
				9/29/20	16:17

Laboratory Comments:

Sample Containers Intact?	N
VOCs Free of Headspace?	N
Labels on container(s)	N
Custody seals on container(s)	N
Custody seals on cooler(s)	N
Sample Hand Delivered	N
by Sampler/Client Rep. ?	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 4 °C
Adjusted: 5 °C Factor CF+1 +2

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	NRM2019529311
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Latitude 32.38346 Longitude -103.44822
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Tour Bus 23 State 301H 501H 601H	Site Type: Production Facility
Date Release Discovered: 6/16/20	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
D	23	22S	34E	Lea

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

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)40bbls	Volume Recovered (bbls)40bbls
☒ Produced Water	Volume Released (bbls) 400bbls	Volume Recovered (bbls) 395bbls
	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
The water tank overflowed due to a check valve failure on the disposal line. Approximately 400bbls of pw (395bbls recovered in containment) and 40bbls of oil (40bbls recovered in containment) were released during the incident. The 5bbls of unrecovered fluid remained on the facility location and will be remediated to OCD standards. The disposal line has been repaired. A 3rd party environmental contractor has been hired to remediate the site. The volumes release were calculated using the size of the containment and a formula using the dimensions of the spill area and soil porosity.

Incident ID	NRM2019529311
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? >25bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notification was given to Jim Griswold and OCD Dist1 by email on 6/17/20.	

Initial Response

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

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

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

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

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

Printed Name: Jamon Hohensee Title: Sr. Environmental Analyst

Signature: Date: 7/1/20

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

OCD Only

Received by: Ramona Marcus Date: 7/13/2020

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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

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

CONDITIONS

Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 20808
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
ceads	In the future, please submit a sampling plan to the division prior to submitting a closure report if the sampling does not meet requirements set in 19.15.29.12 D.(1) NMAC.	6/30/2021