

NMS OIL CONSERVATION
ARTESIA DISTRICT

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

MAR 02 2017

Form C-141
Revised August 8, 2011

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

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.
RECEIVED

Release Notification and Corrective Action

NAB1706249103 **4323** **OPERATOR** ☒ Initial Report ☐ Final Report

Name of Company: CHEVRON USA, INC.	Contact: Josepha DeLeon
Address: 6301 Deauville Blvd., Midland, TX 79706	Telephone No.: ofc.575-263-0424; mobile 432-425-1528
Facility Name Rustler Bluff 33	Facility Type: Oil

Surface Owner: Federal	Mineral Owner: Private	API No. 30-015-42670
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	33	24S	29E	129	North	2035	East	Eddy

Latitude: 32.1659313086802 Longitude: 103.987380063379

NATURE OF RELEASE

Type of Release: Spill	Volume of Release: 37.87 barrels water 12.62 barrels oil	Volume Recovered: REVISED 36 barrels water 12. barrels oil
Source of Release: Stuffing Box	Date and Hour of Occurrence: 02/18/2017: 08:00 AM	Date and Hour of Discovery: 02/18/2017: 08:00 AM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? NMOCD - Randy Bayliss voicemail and Heather Patterson email follow up BLM - Shelly Tucker	
By Whom? Josepha DeLeon	Date and Hour: 02/18/2017; 12:00 p.m.	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* Spill from stuffing box into secondary containment. All fluid was recovered.		
Describe Area Affected and Cleanup Action Taken.* Vacuum truck extracted all fluid.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.		

OIL CONSERVATION DIVISION

Signature: 	Approved by Environmental Specialist: 	
Printed Name: Josepha DeLeon	Approval Date: 3/3/17	Expiration Date: N/A
Title: HES Specialist – Compliance Support - Environmental	Conditions of Approval: See attached	
E-mail Address: jdx@chevron.com	Attached 	
Date: 03/01/2017 Phone: 575-263-0424	2RP-4135	

* Attach Additional Sheets If Necessary

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State of New Mexico
Energy Minerals and Natural
Resources Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAB1706249163
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Chevron USA, Inc.	OGRID: 4323
Contact Name: Amy Barnhill	Contact Telephone: 432-687-7108
Contact email: abarnhill@chevron.com	Incident # (assigned by OCD): nAB1706249163
Contact mailing address: 6301 Deauville Blvd, Midland, TX, 79706	

Location of Release Source

Latitude 32.1659313066802 Longitude -103.987380063379
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Rustler Bluff 33	Site Type: Oil Production Facility
Date Release Discovered: 02/18/2017	API# (if applicable): 30-015-42670

Unit Letter	Section	Township	Range	County
B	33	24S	29E	Eddy

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

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls): 12.62	Volume Recovered (bbls): 12
☒ Produced Water	Volume Released (bbls): 37.87	Volume Recovered (bbls): 36
	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:

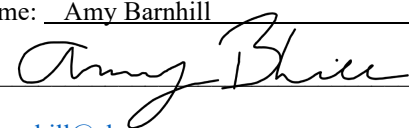
Stuffing box failure

Incident ID	nAB1706249163
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? Volume exceeded 25bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Josepha DeLeon gave notification via voicemail on 02/18/2017 to Randy Bayliss and an email the same day to Heather Patterson. DeLeon also provided notification to Shelly Tucker with the BLM.	

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 <u>not</u> 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: <u>Amy Barnhill</u>	Title: <u>Environmental Advisor</u>
Signature: <u></u>	Date: <u>10-11-23</u>
email: <u>abarnhill@chevron.com</u>	Telephone: <u>432-687-7108</u>
<u>OCD Only</u>	
Received by: _____	Date: _____

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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>51-100</u> (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

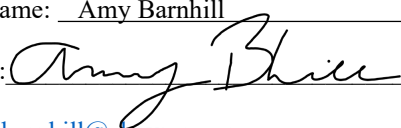
If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, 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

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Printed Name: Amy Barnhill Title: Environmental Advisor
Signature:  Date: 10-11-23
email: abarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: Shelly Wells Date: 10/12/2023

Incident ID	nAB1706249163
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Facility ID	
Application ID	

Remediation Plan

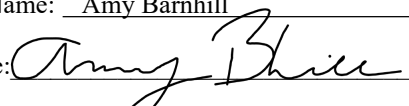
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☐ 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.

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Printed Name: Amy Barnhill Title: Environmental Advisor
Signature:  Date: 10-11-23
email: abarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: Shelly Wells Date: 10/12/2023

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

Signature:  Date: 10/23/2023



DEFERRAL REQUEST REPORT

Rustler Bluff 33
Eddy County, New Mexico
Incident Number nAB1706249163

Prepared For:
Chevron USA, Inc.
6301 Deauville Blvd.
Midland, TX 79706

Carlsbad • Midland • San Antonio • Lubbock • Hobbs • Lafayette

SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Chevron USA, Inc (Chevron), presents the following Deferral Request Report (DRR) detailing excavation activities and subsequent soil sampling activities in accordance with an approved Remediation Work Plan (RWP) for an inadvertent release of produced water and crude oil at the Rustler Bluff 33 (Site). Based on completed remedial actions and laboratory analytical results from recent soil sampling events, Chevron is requesting to defer residual impacted soil beneath an active pumpjack until the Site undergoes major reconstruction or plugging and abandonment, whichever occurs first.

SITE LOCATION AND BACKGROUND

The Site is located in Unit B, Section 33, Township 24 South, Range 29 East, in Eddy County, New Mexico (32.1659313066802° N, 103.9873800633079° W) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management. (**Figure 1** in **Appendix A**).

On February 18, 2017, a stuffing box failure caused the release of approximately 37.87 barrels (bbls) of produced water and 12.62 bbls of crude oil onto the well pad surface. Vacuum trucks recovered approximately 36 bbls of produced water and 12 bbls of crude oil. Chevron reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Corrective Action Form C-141 (Form C-141), which was received by the NMOCD on March 2, 2017, and was subsequently assigned Incident Number nAB1706249163. **Figure 2** in **Appendix A** depicts the observed release area, hereafter referred to as the Area of Concern (AOC).

On February 23, 2017, a third-party environmental consultant conducted site assessment and delineation activities to assess the presence and/or absence of impacts at the Site. A RWP was prepared to address residual impacts based on laboratory analytical results from delineation activities that exceeded the Site Closure Criteria. The RWP was approved via email by the NMOCD on February 22, 2018.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

Etech confirmed the Site was characterized according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC) considering depth to groundwater and the proximity to:

- Any continuously flowing watercourse or any other significant watercourse;
- Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- An occupied permanent residence, school, hospital, institution or church;
- A spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Any freshwater well or spring;
- Incorporated municipal boundaries or a defined municipal fresh water well field covered under a municipal ordinance;
- A wetland;
- A subsurface mine;
- An unstable area (i.e. high karst potential); and
- A 100-year floodplain.

The closest well with data is New Mexico Office of the State Engineer (NMOSE) well C-04324-POD 8 (MW02), located approximately 1.0 mile southwest of the Site. The well has a reported depth to groundwater of 60 feet below ground surface (bgs) from 2019. Based on this information and findings from

the regional water well data review, groundwater depth at the Site is estimated to be between 51 and 100 feet bgs. All well records referenced for depth to groundwater determination are included in **Appendix B**.

Based on the desktop review of the current BLM Carlsbad Field Office (CFO) karst cave potential map, this Site is located in a medium potential karst area. All other potential receptors are not within the established buffers in NMAC 19.15.29.12. Receptor details and sources used to determine the site characterization are included in **Figure 1** in **Appendix A**.

Based on the results from the desktop review for depth to groundwater, surrounding wells are greater than 0.5-mile from the Site which resulted in the application of the following the following Closure Criteria as per NMOCD depth to groundwater determination requirements:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria
Chloride	(Environmental Protection Agency) EPA 300.0	600 milligrams per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	EPA 8015 M/D	100 mg/kg
Benzene	EPA 8021B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8021B	50 mg/kg

EXCAVATION SOIL SAMPLING ACTIVITIES

On February 10, 2023, Etech personnel conducted excavation activities to address impacts identified by laboratory analytical results and visual observations via mechanical equipment. Excavation activities were driven by field screening soil samples for volatile organic hydrocarbons using a photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips.

Following the removal of soil, Etech collected 5-point composite confirmation excavation soil samples at a sampling frequency of 200 square feet from the excavation floor and sidewalls. The 5-point composite samples were comprised of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag. Each sidewall sample depth represented the approximate average depth from which the five aliquots were collected, which ranged from 1-foot to 3 feet bgs. Floor samples were collected from depths of 2 feet and 4 feet bgs. The samples were then placed into lab provided pre-cleaned glass jars, packaged with minimal void space, labeled, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Permian Basin Environmental Laboratory (PBELAB) in Midland, Texas, for analysis of COCs. The location of confirmation excavation soil samples is shown in **Figure 2** in **Appendix A**.

Based on laboratory analytical results for confirmation excavation soil samples, elevated concentrations of TPH or chloride still existed throughout the excavation and additional remediation appeared warranted.

Between March 17, 2023, and March 20, 2023, Etech resumed excavation activities based on elevated chloride concentrations identified by laboratory analytical results. Excavation activities were driven by field screening soil samples for volatile organic hydrocarbons and chloride, as previously described. Following additional soil removal, composite confirmation excavation soil samples were collected from the new excavation floors and sidewalls, handled, and analyzed for TPH or chloride as previously described.

Impacted soil was removed from the Site and transported to a licensed and approved New Mexico landfill. Upon receipt of the final confirmation excavation soil samples results, the excavation was backfilled with clean, locally sourced soil and the Site was restored to "as close to its original state" as possible. Photographic documentation of excavation activities is included in **Appendix C**.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all final confirmation excavation soil samples indicated all analyzed COCs were below the Site Closure Criteria. Laboratory analytical results are summarized in **Table 1** included in **Appendix D**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix E**.

DEFERRAL REQUEST

Based on laboratory analytical results for confirmation excavation soil samples and results from previous delineation sampling events detailed in the RWP, Chevron believes residual soil impacts associated with the inadvertent release have been sufficiently vertically and horizontally delineated and excavated to the maximum practical extent. The excavation was advanced around the active pumpjack, leaving residual impacts adjacent and beneath the pumpjack up to 4 feet bgs. Laboratory analytical results for all final confirmation excavation soil sample results, in conjunction with delineation laboratory analytical results detailed in the approved RWP, indicated all concentrations of analyzed COCs were below the applicable Site Closure Criteria and defined the horizontal periphery and the vertical extent of the AOC. As such, Chevron respectfully requests deferral of approximately 174 cubic yards (**Figure 3** in **Appendix A**) of impacted soil for Incident Number nAB1706249163 until the Site undergoes major facility deconstruction of plugging and abandonment, whichever occurs first.

Chevron believes the timely initial response and other completed remedial actions have mitigated impacts at the Site and the requirements set forth in NMAC guidelines and be protective of human health, the environment, and groundwater. As such, this DRR associated with Incident Number nAB1706249163 should be respectfully considered for Deferral by the NMOCD.

If you have any questions or comments, please do not hesitate to contact Blake Estep at (432) 894-6038 or blake@etechnv.com. Previous remediation activities and soil sample analytical results for the subject release can be referenced in the original RWP in **Appendix F**.

Sincerely,

Etech Environmental and Safety Solutions, Inc.



Blake Estep
Project Manager

cc: Amy Barnhill, Chevron
New Mexico Oil Conservation Division
Bureau of Land Management

Deferral Request Report
Incident Number nAB1706249163
Rustler Bluff 33

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Appendices:

Appendix A: Figure 1: Site Map

Figure 2: Excavation Soil Sample Locations

Figure 3: Deferral Area

Appendix B: Referenced Well Records

Appendix C: Photographic Log

Appendix D: Tables

Appendix E: Laboratory Analytical Reports & Chain-of-Custody Documentation

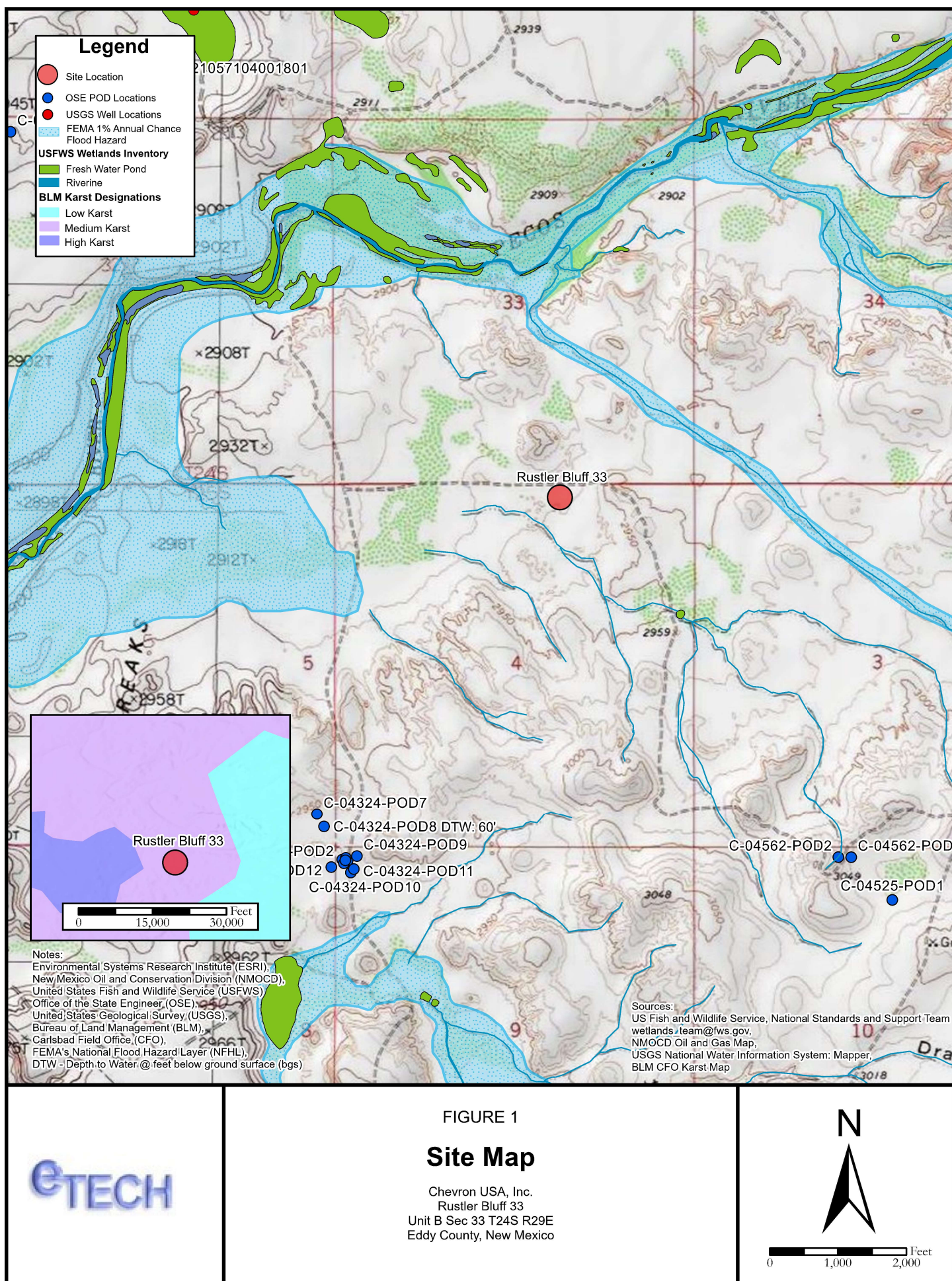
Appendix F: Approved Remediation Work Plan

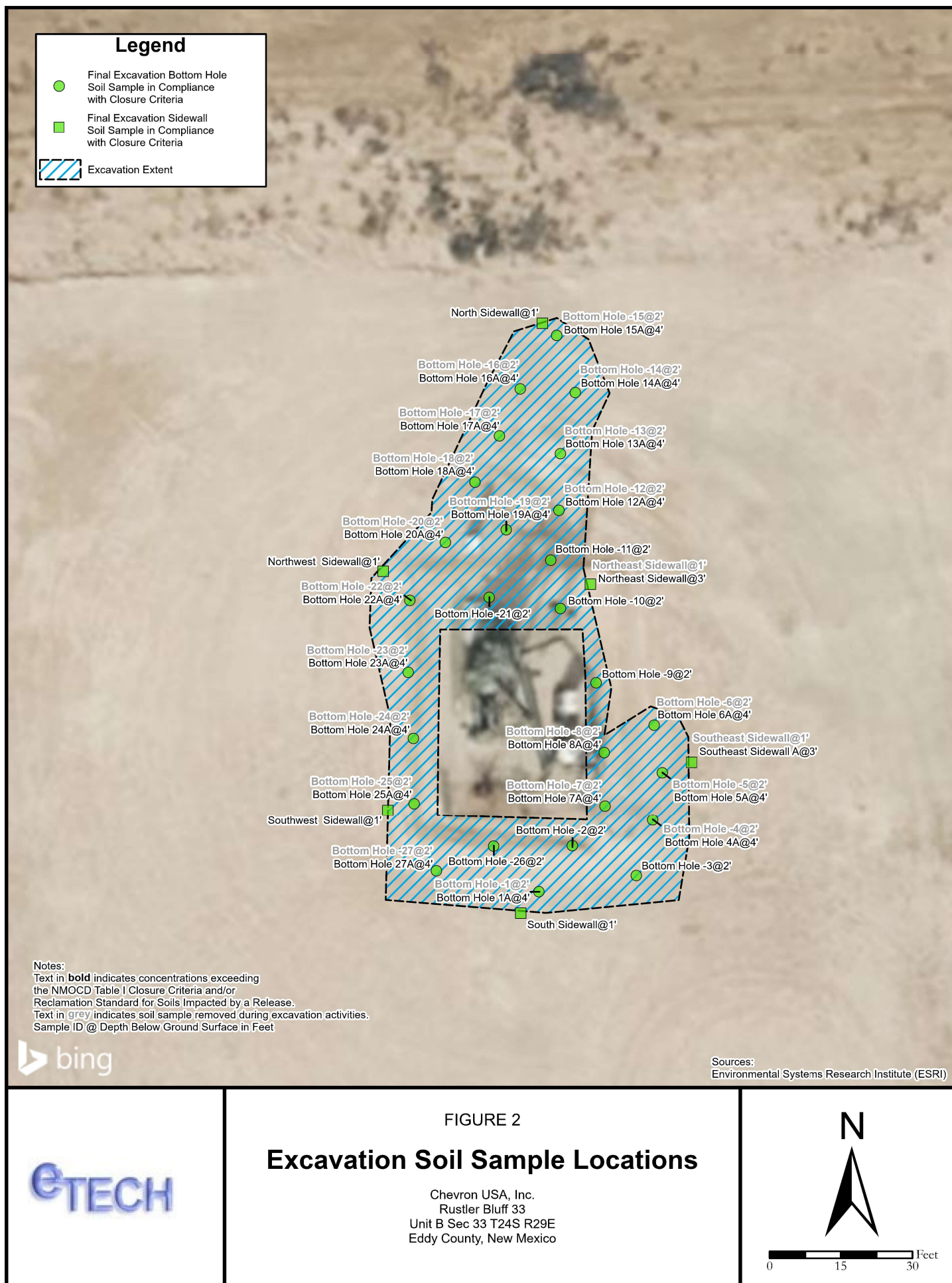
Deferral Request Report
Incident Number nAB1706249163
Rustler Bluff 33

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APPENDIX A

Figures







APPENDIX B

Referenced Well Records



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 8 (MW02)		WELL TAG ID NO.		OSE FILE NO(S). C-4324		
	WELL OWNER NAME(S) XTO Energy, Inc.				PHONE (OPTIONAL) 432-221-7331		
	WELL OWNER MAILING ADDRESS 522 W Mermond, Suite 704				CITY Carlsbad	STATE NM	
					ZIP 88220		
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 9	SECONDS 10.01	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
		LONGITUDE 103	59	54.38	W	* DATUM REQUIRED: WGS 84	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE South East Quarter of South East Quarter of Section 5, Township 25 South, Range 29 East, Eddy County, New Mexico							
2. DRILLING & CASING INFORMATION	LICENSE NO. 1664		NAME OF LICENSED DRILLER Shawn Cain			NAME OF WELL DRILLING COMPANY Cascade Drilling	
	DRILLING STARTED 7/21/2019	DRILLING ENDED 7/21/2019	DEPTH OF COMPLETED WELL (FT) 69	BORE HOLE DEPTH (FT) 70	DEPTH WATER FIRST ENCOUNTERED (FT) 65		
	COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☒ SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 60		
	DRILLING FLUID: ☒ AIR ☐ MUD ADDITIVES - SPECIFY:						
	DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☒ OTHER - SPECIFY: Sonic						
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
	0 70		6				
	0 49			2" PVC Blank	Flush Thread SCH 40	2.067	.154
	49 69			2" PVC Screen	Flush Thread SCH 40	2.067	.154
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT	
	0 2		6	Concrete	.5	Poured	
	2 47		6	Bentonite Chips	8	Poured	
	47 70		6	12-20 Sand	4	Poured	

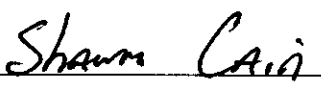
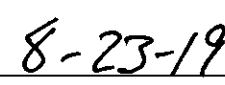
FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO. C-4324	POD NO. 8	TRN NO. 154446
LOCATION 25S.29E.5.444	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	14	14	(SP-SM) - brown-light brown silty SAND	Y ✓ N	
	14	24	10	(CLCHE) - tan CALICHE	Y ✓ N	
	24	49	25	(ML) - light brown-red SILT	Y ✓ N	
	49	51	2	(CLCHE) - tan-light brown CALICHE	Y ✓ N	
	51	60	9	(SP) - tan-light brown SAND	Y ✓ N	
	60	70	10	(CH) - red-brown silty CLAY	✓ Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: ☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION:	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:		

6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.	
	 	
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME	DATE

FOR USE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

APPENDIX C

Photographic Log

P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213





PHOTOGRAPHIC LOG

Chevron USA, Inc.

Rustler Bluff 33

Incident Number NAB1706249163



Photograph 1

Date: 03/21/2023

Description: Northern view of excavation activities



Photograph 2

Date: 03/21/2023

Description: Northwestern view of excavation activities



Photograph 3

Date: 03/21/2023

Description: Southeastern view of excavation activities



Photograph 4

Date: 03/21/2023

Description: Western view of excavation activities

eTECH**PHOTOGRAPHIC LOG**

Chevron USA, Inc.

Rustler Bluff 33

Incident Number nAB1706249163



Photograph 5 **Date: 03/21/2023**
Description: Eastern view of excavation activities



Photograph 6 **Date: 03/21/2023**
Description: Southern view of excavation activities



Photograph 7 **Date: 04/20/2023**
Description: Northeastern view of restoration activities



Photograph 8 **Date: 04/20/2023**
Description: Northwestern view of restoration activities

APPENDIX D

Tables



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Chevron USA, Inc. - Rustler Bluff 33
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Sample Depth (inches bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)				10	50	NE	NE	NE	100	600
Excavation Soil Samples - Incident Number NAB1706249163										
Bottom Hole -1	02/10/23	2	24	<0.00102	<0.00204	<25.5	410	128	538	220
Bottom Hole 1A	03/17/23	4	48	NA	NA	<26.0	<26.0	<26.0	<26.0	NA
Bottom Hole -2	02/10/23	2	24	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	85.4
Bottom Hole -3	02/10/23	2	24	<0.00105	<0.00211	<26.3	<26.3	<26.3	<26.3	475
Bottom Hole -4	02/10/23	2	24	<0.00104	<0.00208	<26.0	<26.0	<26.0	<26.0	729
Bottom Hole 4A	03/17/23	4	48	NA	NA	NA	NA	NA	NA	293
Bottom Hole -5	02/10/23	2	24	<0.00104	<0.00208	<26.0	<26.0	<26.0	<26.0	1,640
Bottom Hole 5A	03/17/23	4	48	NA	NA	NA	NA	NA	NA	214
Bottom Hole -6	02/10/23	2	24	<0.00105	<0.00211	<26.3	<26.3	<26.3	<26.3	2,560
Bottom Hole 6A	03/17/23	4	48	NA	NA	NA	NA	NA	NA	252
Bottom Hole -7	02/10/23	2	24	<0.00105	0.00116	<26.3	<26.3	<26.3	<26.3	1,740
Bottom Hole 7A	03/17/23	4	48	NA	NA	NA	NA	NA	NA	96.0
Bottom Hole -8	02/10/23	2	24	<0.00105	<0.00211	<26.3	<26.3	<26.3	<26.3	978
Bottom Hole 8A	03/17/23	4	48	NA	NA	NA	NA	NA	NA	471
Bottom Hole -9	02/10/23	2	24	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	63.9
Bottom Hole -10	02/10/23	2	24	<0.00104	<0.00208	<26.0	<26.0	<26.0	<26.0	33.2
Bottom Hole -11	02/10/23	2	24	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	368
Bottom Hole -12	02/10/23	2	24	<0.00101	<0.00202	<25.3	<25.3	<25.3	<25.3	2,330
Bottom Hole 12A	03/21/23	4	48	NA	NA	NA	NA	NA	NA	127
Bottom Hole -13	02/10/23	2	24	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	2,380
Bottom Hole 13A	03/21/23	4	48	NA	NA	NA	NA	NA	NA	105
Bottom Hole -14	02/10/23	2	24	<0.00110	<0.00220	<27.5	<27.5	<27.5	<27.5	7,010
Bottom Hole 14A	03/21/23	4	48	NA	NA	NA	NA	NA	NA	27.9
Bottom Hole -15	02/10/23	2	24	<0.00111	<0.00222	<27.8	<27.8	<27.8	<27.8	1,700
Bottom Hole 15A	03/21/23	4	48	NA	NA	NA	NA	NA	NA	25.4
Bottom Hole -16	02/10/23	2	24	<0.00109	<0.00217	<27.2	<27.2	<27.2	<27.2	1,980



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Chevron USA, Inc. - Rustler Bluff 33
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Sample Depth (inches bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)				10	50	NE	NE	NE	100	600
Excavation Soil Samples - Incident Number NAB1706249163										
Bottom Hole 16A	03/21/23	4	48	NA	NA	NA	NA	NA	NA	136
Bottom Hole -17	02/10/23	2	24	<0.00106	<0.00213	<26.6	<26.6	<26.6	<26.6	1,120
Bottom Hole 17A	03/21/23	4	48	NA	NA	NA	NA	NA	NA	124
Bottom Hole -18	02/10/23	2	24	<0.00105	<0.00211	<26.3	<26.3	<26.3	<26.3	2,130
Bottom Hole 18A	03/17/23	4	48	NA	NA	NA	NA	NA	NA	154
Bottom Hole -19	02/10/23	2	24	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	828
Bottom Hole 19A	03/17/23	4	48	NA	NA	NA	NA	NA	NA	75.1
Bottom Hole -20	02/10/23	2	24	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	601
Bottom Hole 20A	03/17/23	4	48	NA	NA	NA	NA	NA	NA	95.0
Bottom Hole -21	02/10/23	2	24	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	560
Bottom Hole -22	02/10/23	2	24	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	975
Bottom Hole 22A	03/17/23	4	48	NA	NA	NA	NA	NA	NA	109
Bottom Hole -23	02/10/23	2	24	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	853
Bottom Hole 23A	03/17/23	4	48	NA	NA	NA	NA	NA	NA	498
Bottom Hole -24	02/10/23	2	24	<0.00104	<0.00208	<26.0	<26.0	<26.0	<26.0	773
Bottom Hole 24A	03/17/23	4	48	NA	NA	NA	NA	NA	NA	409
Bottom Hole -25	02/10/23	2	24	<0.00105	<0.00211	<26.3	<26.3	<26.3	<26.3	1,000
Bottom Hole 25A	03/17/23	4	48	NA	NA	NA	NA	NA	NA	491
Bottom Hole -26	02/10/23	2	24	<0.00103	<0.0206	<25.8	<25.8	<25.8	<25.8	127
Bottom Hole -27	02/10/23	2	24	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	1,400
Bottom Hole 27A	03/17/23	4	48	NA	NA	NA	NA	NA	NA	42.7
North Sidewall	02/10/23	1	12	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	427
Northeast Sidewall	02/10/23	1	12	<0.00105	<0.00211	<26.3	<26.3	<26.3	<26.3	783
Northeast Sidewall A	03/20/23	3	36	NA	NA	NA	NA	NA	NA	234
Northwest Sidewall	02/10/23	1	12	<0.00102	<0.00204	<25.5	<25.5	<25.5	<25.5	190



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Chevron USA, Inc. - Rustler Bluff 33
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Sample Depth (inches bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)				10	50	NE	NE	NE	100	600
Excavation Soil Samples - Incident Number NAB1706249163										
South Sidewall	02/10/23	1	12	<0.00105	<0.00211	<26.3	<26.3	<26.3	<26.3	285
Southeast Sidewall	02/10/23	1	12	<0.00104	<0.00208	<26.0	<26.0	<26.0	<26.0	928
Southeast Sidewall A	03/20/23	3	36	NA	NA	NA	NA	NA	NA	39.7
Southwest Sidewall	02/10/23	1	12	<0.00105	<0.00211	<26.3	<26.3	<26.3	<26.3	261

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Text in "grey" represents excavated soil samples

NA: Analyte not analyzed

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard for Soils Impacted by a Release

APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation

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



Analytical Report

Prepared for:

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

Project: Rustler Bluff 33
Project Number: 17021
Location: New Mexico

Lab Order Number: 3B14016



Current Certification

Report Date: 02/28/23

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

Project: Rustler Bluff 33
 Project Number: 17021
 Project Manager: Blake Estep

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom Hole -1 @ 0'-2'	3B14016-01	Soil	02/10/23 13:30	02-14-2023 14:40
Bottom Hole -2 @ 0'-2'	3B14016-02	Soil	02/10/23 13:33	02-14-2023 14:40
Bottom Hole -3 @ 0'-2'	3B14016-03	Soil	02/10/23 13:36	02-14-2023 14:40
Bottom Hole -4 @ 0'-2'	3B14016-04	Soil	02/10/23 13:39	02-14-2023 14:40
Bottom Hole -5 @ 0'-2'	3B14016-05	Soil	02/10/23 13:42	02-14-2023 14:40
Bottom Hole -6 @ 0'-2'	3B14016-06	Soil	02/10/23 13:45	02-14-2023 14:40
Bottom Hole -7 @ 0'-2'	3B14016-07	Soil	02/10/23 13:48	02-14-2023 14:40
Bottom Hole -8 @ 0'-2'	3B14016-08	Soil	02/10/23 13:51	02-14-2023 14:40
Bottom Hole -9 @ 0'-2'	3B14016-09	Soil	02/10/23 13:54	02-14-2023 14:40
Bottom Hole -10 @ 0'-2'	3B14016-10	Soil	02/10/23 13:57	02-14-2023 14:40
Bottom Hole -11 @ 0'-2'	3B14016-11	Soil	02/10/23 14:00	02-14-2023 14:40
Bottom Hole -12 @ 0'-2'	3B14016-12	Soil	02/10/23 14:03	02-14-2023 14:40
Bottom Hole -13 @ 0'-2'	3B14016-13	Soil	02/10/23 14:06	02-14-2023 14:40
Bottom Hole -14 @ 0'-2'	3B14016-14	Soil	02/10/23 14:09	02-14-2023 14:40
Bottom Hole -15 @ 0'-2'	3B14016-15	Soil	02/10/23 14:12	02-14-2023 14:40
Bottom Hole -16 @ 0'-2'	3B14016-16	Soil	02/10/23 14:15	02-14-2023 14:40
Bottom Hole -17 @ 0'-2'	3B14016-17	Soil	02/10/23 14:18	02-14-2023 14:40
Bottom Hole -18 @ 0'-2'	3B14016-18	Soil	02/10/23 14:21	02-14-2023 14:40
Bottom Hole -19 @ 0'-2'	3B14016-19	Soil	02/10/23 14:24	02-14-2023 14:40
Bottom Hole -20 @ 0'-2'	3B14016-20	Soil	02/10/23 14:27	02-14-2023 14:40
Bottom Hole -21 @ 0'-2'	3B14016-21	Soil	02/10/23 14:30	02-14-2023 14:40
Bottom Hole -22 @ 0'-2'	3B14016-22	Soil	02/10/23 14:33	02-14-2023 14:40
Bottom Hole -23 @ 0'-2'	3B14016-23	Soil	02/10/23 14:36	02-14-2023 14:40
Bottom Hole -24 @ 0'-2'	3B14016-24	Soil	02/10/23 14:39	02-14-2023 14:40
Bottom Hole -25 @ 0'-2'	3B14016-25	Soil	02/10/23 14:42	02-14-2023 14:40
Bottom Hole -26 @ 0'-2'	3B14016-26	Soil	02/10/23 14:45	02-14-2023 14:40
Bottom Hole -27 @ 0'-2'	3B14016-27	Soil	02/10/23 14:48	02-14-2023 14:40
North Side Wall	3B14016-28	Soil	02/10/23 14:51	02-14-2023 14:40
North East Side Wall	3B14016-29	Soil	02/10/23 14:54	02-14-2023 14:40
North West Side Wall	3B14016-30	Soil	02/10/23 14:57	02-14-2023 14:40
South Side Wall	3B14016-31	Soil	02/10/23 15:00	02-14-2023 14:40
South East Side Wall	3B14016-32	Soil	02/10/23 15:03	02-14-2023 14:40
South West Side Wall	3B14016-33	Soil	02/10/23 15:06	02-14-2023 14:40

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Bottom Hole -1 @ 0'-2'
3B14016-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00102	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 00:59	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 00:59	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 00:59	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 00:59	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 00:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	89.3 %		80-120		P3B1517	02/15/23 16:26	02/16/23 00:59	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	116 %		80-120		P3B1517	02/15/23 16:26	02/16/23 00:59	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 17:49	TPH 8015M	
>C12-C28	410	25.5	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 17:49	TPH 8015M	
>C28-C35	128	25.5	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 17:49	TPH 8015M	
Surrogate: 1-Chlorooctane	87.4 %		70-130		P3B1803	02/18/23 09:00	02/19/23 17:49	TPH 8015M	
Surrogate: o-Terphenyl	104 %		70-130		P3B1803	02/18/23 09:00	02/19/23 17:49	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	538	25.5	mg/kg dry	1	[CALC]	02/18/23 09:00	02/19/23 17:49	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	220	1.02	mg/kg dry	1	P3B1609	02/16/23 15:08	02/17/23 05:40	EPA 300.0	
% Moisture	2.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Bottom Hole -2 @ 0'-2'
3B14016-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00103	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 01:20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 01:20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 01:20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 01:20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 01:20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	93.4 %		80-120		P3B1517	02/15/23 16:26	02/16/23 01:20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	117 %		80-120		P3B1517	02/15/23 16:26	02/16/23 01:20	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 18:13	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 18:13	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 18:13	TPH 8015M	
Surrogate: 1-Chlorooctane	89.5 %		70-130		P3B1803	02/18/23 09:00	02/19/23 18:13	TPH 8015M	
Surrogate: o-Terphenyl	107 %		70-130		P3B1803	02/18/23 09:00	02/19/23 18:13	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	02/18/23 09:00	02/19/23 18:13	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	85.4	1.03	mg/kg dry	1	P3B1609	02/16/23 15:08	02/17/23 05:54	EPA 300.0	
% Moisture	3.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Bottom Hole -3 @ 0'-2'
3B14016-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 01:41	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 01:41	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 01:41	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 01:41	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 01:41	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	93.2 %		80-120		P3B1517	02/15/23 16:26	02/16/23 01:41	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	118 %		80-120		P3B1517	02/15/23 16:26	02/16/23 01:41	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 18:37	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 18:37	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 18:37	TPH 8015M	
Surrogate: 1-Chlorooctane	80.5 %		70-130		P3B1803	02/18/23 09:00	02/19/23 18:37	TPH 8015M	
Surrogate: o-Terphenyl	94.8 %		70-130		P3B1803	02/18/23 09:00	02/19/23 18:37	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	02/18/23 09:00	02/19/23 18:37	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	475	1.05	mg/kg dry	1	P3B1609	02/16/23 15:08	02/17/23 06:08	EPA 300.0	
% Moisture	5.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Bottom Hole -4 @ 0'-2'
3B14016-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00104	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 02:03	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 02:03	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 02:03	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 02:03	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 02:03	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	117 %		80-120		P3B1517	02/15/23 16:26	02/16/23 02:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	86.4 %		80-120		P3B1517	02/15/23 16:26	02/16/23 02:03	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 19:01	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 19:01	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 19:01	TPH 8015M	
Surrogate: 1-Chlorooctane	76.7 %		70-130		P3B1803	02/18/23 09:00	02/19/23 19:01	TPH 8015M	
Surrogate: o-Terphenyl	91.3 %		70-130		P3B1803	02/18/23 09:00	02/19/23 19:01	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	02/18/23 09:00	02/19/23 19:01	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	729	1.04	mg/kg dry	1	P3B1609	02/16/23 15:08	02/17/23 06:23	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Bottom Hole -5 @ 0'-2'
3B14016-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00104	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 02:24	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 02:24	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 02:24	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 02:24	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 02:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	84.2 %		80-120		P3B1517	02/15/23 16:26	02/16/23 02:24	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	118 %		80-120		P3B1517	02/15/23 16:26	02/16/23 02:24	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 19:25	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 19:25	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 19:25	TPH 8015M	
Surrogate: 1-Chlorooctane	92.2 %		70-130		P3B1803	02/18/23 09:00	02/19/23 19:25	TPH 8015M	
Surrogate: o-Terphenyl	108 %		70-130		P3B1803	02/18/23 09:00	02/19/23 19:25	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	02/18/23 09:00	02/19/23 19:25	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1640	10.4	mg/kg dry	10	P3B1609	02/16/23 15:08	02/17/23 16:02	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Bottom Hole -6 @ 0'-2'
3B14016-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 02:45	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 02:45	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 02:45	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 02:45	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 02:45	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	119 %		80-120		P3B1517	02/15/23 16:26	02/16/23 02:45	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	80.3 %		80-120		P3B1517	02/15/23 16:26	02/16/23 02:45	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 19:49	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 19:49	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 19:49	TPH 8015M	
Surrogate: 1-Chlorooctane	85.5 %		70-130		P3B1803	02/18/23 09:00	02/19/23 19:49	TPH 8015M	
Surrogate: o-Terphenyl	99.6 %		70-130		P3B1803	02/18/23 09:00	02/19/23 19:49	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	02/18/23 09:00	02/19/23 19:49	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	2560	10.5	mg/kg dry	10	P3B1708	02/17/23 15:55	02/17/23 17:27	EPA 300.0	
% Moisture	5.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Bottom Hole -7 @ 0'-2'
3B14016-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 15:11	EPA 8021B	
Toluene	0.00116	0.00105	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 15:11	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 15:11	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 15:11	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3B1517	02/15/23 16:26	02/16/23 15:11	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	105 %		80-120		P3B1517	02/15/23 16:26	02/16/23 15:11	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	83.4 %		80-120		P3B1517	02/15/23 16:26	02/16/23 15:11	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 20:14	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 20:14	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 20:14	TPH 8015M	
Surrogate: 1-Chlorooctane	91.2 %		70-130		P3B1803	02/18/23 09:00	02/19/23 20:14	TPH 8015M	
Surrogate: o-Terphenyl	108 %		70-130		P3B1803	02/18/23 09:00	02/19/23 20:14	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	02/18/23 09:00	02/19/23 20:14	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1740	10.5	mg/kg dry	10	P3B1708	02/17/23 15:55	02/20/23 09:22	EPA 300.0	
% Moisture	6.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Bottom Hole -8 @ 0'-2'
3B14016-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 05:57	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 05:57	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 05:57	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 05:57	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 05:57	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	125 %		80-120		P3B1519	02/15/23 16:33	02/16/23 05:57	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	100 %		80-120		P3B1519	02/15/23 16:33	02/16/23 05:57	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 20:38	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 20:38	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 20:38	TPH 8015M	
Surrogate: 1-Chlorooctane	74.2 %		70-130		P3B1803	02/18/23 09:00	02/19/23 20:38	TPH 8015M	
Surrogate: o-Terphenyl	87.3 %		70-130		P3B1803	02/18/23 09:00	02/19/23 20:38	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	02/18/23 09:00	02/19/23 20:38	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	978	1.05	mg/kg dry	1	P3B1708	02/17/23 15:55	02/17/23 18:24	EPA 300.0	
% Moisture	5.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Bottom Hole -9 @ 0'-2'
3B14016-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 06:18	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 06:18	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 06:18	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 06:18	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 06:18	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	117 %		80-120		P3B1519	02/15/23 16:33	02/16/23 06:18	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	101 %		80-120		P3B1519	02/15/23 16:33	02/16/23 06:18	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 21:02	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 21:02	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 21:02	TPH 8015M	
Surrogate: 1-Chlorooctane	92.8 %		70-130		P3B1803	02/18/23 09:00	02/19/23 21:02	TPH 8015M	
Surrogate: o-Terphenyl	108 %		70-130		P3B1803	02/18/23 09:00	02/19/23 21:02	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	02/18/23 09:00	02/19/23 21:02	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	63.9	1.11	mg/kg dry	1	P3B1708	02/17/23 15:55	02/17/23 18:39	EPA 300.0	
% Moisture	10.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Bottom Hole -10 @ 0'-2'
3B14016-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00104	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 06:39	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 06:39	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 06:39	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 06:39	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 06:39	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	102 %		80-120		P3B1519	02/15/23 16:33	02/16/23 06:39	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	119 %		80-120		P3B1519	02/15/23 16:33	02/16/23 06:39	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 21:26	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 21:26	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 21:26	TPH 8015M	
Surrogate: 1-Chlorooctane	72.7 %		70-130		P3B1803	02/18/23 09:00	02/19/23 21:26	TPH 8015M	
Surrogate: o-Terphenyl	87.1 %		70-130		P3B1803	02/18/23 09:00	02/19/23 21:26	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	02/18/23 09:00	02/19/23 21:26	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	33.2	1.04	mg/kg dry	1	P3B1708	02/17/23 15:55	02/17/23 18:53	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Bottom Hole -11 @ 0'-2'

3B14016-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00103	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 07:00	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 07:00	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 07:00	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 07:00	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 07:00	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	119 %		80-120		P3B1519	02/15/23 16:33	02/16/23 07:00	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	102 %		80-120		P3B1519	02/15/23 16:33	02/16/23 07:00	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 22:39	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 22:39	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 22:39	TPH 8015M	
Surrogate: 1-Chlorooctane	91.3 %		70-130		P3B1803	02/18/23 09:00	02/19/23 22:39	TPH 8015M	
Surrogate: o-Terphenyl	108 %		70-130		P3B1803	02/18/23 09:00	02/19/23 22:39	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	02/18/23 09:00	02/19/23 22:39	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	368	1.03	mg/kg dry	1	P3B1708	02/17/23 15:55	02/17/23 19:07	EPA 300.0	
% Moisture	3.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Bottom Hole -12 @ 0'-2'
3B14016-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00101	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 07:22	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 07:22	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 07:22	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 07:22	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 07:22	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	114 %		80-120		P3B1519	02/15/23 16:33	02/16/23 07:22	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	101 %		80-120		P3B1519	02/15/23 16:33	02/16/23 07:22	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 23:03	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 23:03	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 23:03	TPH 8015M	
Surrogate: 1-Chlorooctane	92.7 %		70-130		P3B1803	02/18/23 09:00	02/19/23 23:03	TPH 8015M	
Surrogate: o-Terphenyl	108 %		70-130		P3B1803	02/18/23 09:00	02/19/23 23:03	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	02/18/23 09:00	02/19/23 23:03	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	2330	10.1	mg/kg dry	10	P3B1708	02/17/23 15:55	02/17/23 19:21	EPA 300.0	
% Moisture	1.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Bottom Hole -13 @ 0'-2'
3B14016-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00103	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 07:43	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 07:43	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 07:43	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 07:43	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 07:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	105 %		80-120		P3B1519	02/15/23 16:33	02/16/23 07:43	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P3B1519	02/15/23 16:33	02/16/23 07:43	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 23:26	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 23:26	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 23:26	TPH 8015M	
Surrogate: 1-Chlorooctane	77.7 %		70-130		P3B1803	02/18/23 09:00	02/19/23 23:26	TPH 8015M	
Surrogate: o-Terphenyl	92.8 %		70-130		P3B1803	02/18/23 09:00	02/19/23 23:26	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	02/18/23 09:00	02/19/23 23:26	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	2380	10.3	mg/kg dry	10	P3B1708	02/17/23 15:55	02/17/23 19:36	EPA 300.0	
% Moisture	3.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Bottom Hole -14 @ 0'-2'
3B14016-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00110	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 08:04	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 08:04	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 08:04	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 08:04	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 08:04	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	110 %		80-120		P3B1519	02/15/23 16:33	02/16/23 08:04	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	102 %		80-120		P3B1519	02/15/23 16:33	02/16/23 08:04	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.5	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 23:50	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 23:50	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P3B1803	02/18/23 09:00	02/19/23 23:50	TPH 8015M	
Surrogate: 1-Chlorooctane	75.1 %		70-130		P3B1803	02/18/23 09:00	02/19/23 23:50	TPH 8015M	
Surrogate: o-Terphenyl	90.3 %		70-130		P3B1803	02/18/23 09:00	02/19/23 23:50	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	02/18/23 09:00	02/19/23 23:50	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	7010	27.5	mg/kg dry	25	P3B1708	02/17/23 15:55	02/17/23 19:50	EPA 300.0	
% Moisture	9.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Bottom Hole -15 @ 0'-2'
3B14016-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 08:26	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 08:26	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 08:26	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 08:26	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 08:26	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	102 %		80-120		P3B1519	02/15/23 16:33	02/16/23 08:26	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	102 %		80-120		P3B1519	02/15/23 16:33	02/16/23 08:26	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P3B1803	02/18/23 09:00	02/20/23 00:14	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P3B1803	02/18/23 09:00	02/20/23 00:14	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P3B1803	02/18/23 09:00	02/20/23 00:14	TPH 8015M	
Surrogate: 1-Chlorooctane	90.5 %		70-130		P3B1803	02/18/23 09:00	02/20/23 00:14	TPH 8015M	
Surrogate: o-Terphenyl	109 %		70-130		P3B1803	02/18/23 09:00	02/20/23 00:14	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	02/18/23 09:00	02/20/23 00:14	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1700	11.1	mg/kg dry	10	P3B1708	02/17/23 15:55	02/20/23 09:37	EPA 300.0	
% Moisture	10.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Bottom Hole -16 @ 0'-2'
3B14016-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00109	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 08:47	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 08:47	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 08:47	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 08:47	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 08:47	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	102 %		80-120		P3B1519	02/15/23 16:33	02/16/23 08:47	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	102 %		80-120		P3B1519	02/15/23 16:33	02/16/23 08:47	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P3B1803	02/18/23 09:00	02/20/23 00:38	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P3B1803	02/18/23 09:00	02/20/23 00:38	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P3B1803	02/18/23 09:00	02/20/23 00:38	TPH 8015M	
Surrogate: 1-Chlorooctane	86.6 %		70-130		P3B1803	02/18/23 09:00	02/20/23 00:38	TPH 8015M	
Surrogate: o-Terphenyl	101 %		70-130		P3B1803	02/18/23 09:00	02/20/23 00:38	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	02/18/23 09:00	02/20/23 00:38	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1980	10.9	mg/kg dry	10	P3B1708	02/17/23 15:55	02/17/23 20:47	EPA 300.0	
% Moisture	8.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Bottom Hole -17 @ 0'-2'
3B14016-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00106	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 09:08	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 09:08	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 09:08	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 09:08	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 09:08	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P3B1519	02/15/23 16:33	02/16/23 09:08	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.3 %		80-120		P3B1519	02/15/23 16:33	02/16/23 09:08	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P3B1803	02/18/23 09:00	02/20/23 01:03	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P3B1803	02/18/23 09:00	02/20/23 01:03	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P3B1803	02/18/23 09:00	02/20/23 01:03	TPH 8015M	
Surrogate: 1-Chlorooctane	88.4 %		70-130		P3B1803	02/18/23 09:00	02/20/23 01:03	TPH 8015M	
Surrogate: o-Terphenyl	105 %		70-130		P3B1803	02/18/23 09:00	02/20/23 01:03	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	02/18/23 09:00	02/20/23 01:03	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1120	10.6	mg/kg dry	10	P3B1708	02/17/23 15:55	02/20/23 09:51	EPA 300.0	
% Moisture	6.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Bottom Hole -18 @ 0'-2'
3B14016-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 10:13	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 10:13	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 10:13	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 10:13	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 10:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	96.1 %		80-120		P3B1519	02/15/23 16:33	02/16/23 10:13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	102 %		80-120		P3B1519	02/15/23 16:33	02/16/23 10:13	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P3B1803	02/18/23 09:00	02/20/23 01:27	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3B1803	02/18/23 09:00	02/20/23 01:27	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3B1803	02/18/23 09:00	02/20/23 01:27	TPH 8015M	
Surrogate: 1-Chlorooctane	75.7 %		70-130		P3B1803	02/18/23 09:00	02/20/23 01:27	TPH 8015M	
Surrogate: o-Terphenyl	89.6 %		70-130		P3B1803	02/18/23 09:00	02/20/23 01:27	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	02/18/23 09:00	02/20/23 01:27	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	2130	10.5	mg/kg dry	10	P3B1708	02/17/23 15:55	02/17/23 21:45	EPA 300.0	
% Moisture	5.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Bottom Hole -19 @ 0'-2'
3B14016-19 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00103	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 10:34	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 10:34	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 10:34	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 10:34	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 10:34	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P3B1519	02/15/23 16:33	02/16/23 10:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	95.7 %		80-120		P3B1519	02/15/23 16:33	02/16/23 10:34	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P3B1803	02/18/23 09:00	02/20/23 01:51	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3B1803	02/18/23 09:00	02/20/23 01:51	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3B1803	02/18/23 09:00	02/20/23 01:51	TPH 8015M	
Surrogate: 1-Chlorooctane	83.3 %		70-130		P3B1803	02/18/23 09:00	02/20/23 01:51	TPH 8015M	
Surrogate: o-Terphenyl	97.8 %		70-130		P3B1803	02/18/23 09:00	02/20/23 01:51	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	02/18/23 09:00	02/20/23 01:51	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	828	1.03	mg/kg dry	1	P3B1708	02/17/23 15:55	02/17/23 21:59	EPA 300.0	
% Moisture	3.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Bottom Hole -20 @ 0'-2'
3B14016-20 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00102	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 10:56	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 10:56	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 10:56	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 10:56	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 10:56	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	102 %		80-120		P3B1519	02/15/23 16:33	02/16/23 10:56	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	95.5 %		80-120		P3B1519	02/15/23 16:33	02/16/23 10:56	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P3B1803	02/18/23 09:00	02/20/23 02:16	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P3B1803	02/18/23 09:00	02/20/23 02:16	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P3B1803	02/18/23 09:00	02/20/23 02:16	TPH 8015M	
Surrogate: 1-Chlorooctane	91.7 %		70-130		P3B1803	02/18/23 09:00	02/20/23 02:16	TPH 8015M	
Surrogate: o-Terphenyl	107 %		70-130		P3B1803	02/18/23 09:00	02/20/23 02:16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	02/18/23 09:00	02/20/23 02:16	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	601	1.02	mg/kg dry	1	P3B1708	02/17/23 15:55	02/17/23 22:13	EPA 300.0	
% Moisture	2.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Rustler Bluff 33
 Project Number: 17021
 Project Manager: Blake Estep

Bottom Hole -21 @ 0'-2'
3B14016-21 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00102	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 11:17	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 11:17	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 11:17	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 11:17	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 11:17	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P3B1519	02/15/23 16:33	02/16/23 11:17	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	90.8 %		80-120		P3B1519	02/15/23 16:33	02/16/23 11:17	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 05:54	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 05:54	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 05:54	TPH 8015M	
Surrogate: 1-Chlorooctane	95.4 %		70-130		P3B1804	02/18/23 09:30	02/20/23 05:54	TPH 8015M	
Surrogate: o-Terphenyl	113 %		70-130		P3B1804	02/18/23 09:30	02/20/23 05:54	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	02/18/23 09:30	02/20/23 05:54	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	560	1.02	mg/kg dry	1	P3B1708	02/17/23 15:55	02/17/23 22:28	EPA 300.0	
% Moisture	2.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Bottom Hole -22 @ 0'-2'
3B14016-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00102	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 11:39	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 11:39	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 11:39	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 11:39	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 11:39	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	89.9 %		80-120		P3B1519	02/15/23 16:33	02/16/23 11:39	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	102 %		80-120		P3B1519	02/15/23 16:33	02/16/23 11:39	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 06:18	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 06:18	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 06:18	TPH 8015M	
Surrogate: 1-Chlorooctane	95.2 %		70-130		P3B1804	02/18/23 09:30	02/20/23 06:18	TPH 8015M	
Surrogate: o-Terphenyl	111 %		70-130		P3B1804	02/18/23 09:30	02/20/23 06:18	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	02/18/23 09:30	02/20/23 06:18	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	975	5.10	mg/kg dry	5	P3B1708	02/17/23 15:55	02/20/23 10:05	EPA 300.0	
% Moisture	2.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Bottom Hole -23 @ 0'-2'
3B14016-23 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00102	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 12:00	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 12:00	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 12:00	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 12:00	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 12:00	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	90.4 %		80-120		P3B1519	02/15/23 16:33	02/16/23 12:00	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	106 %		80-120		P3B1519	02/15/23 16:33	02/16/23 12:00	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 06:42	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 06:42	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 06:42	TPH 8015M	
Surrogate: 1-Chlorooctane	96.5 %		70-130		P3B1804	02/18/23 09:30	02/20/23 06:42	TPH 8015M	
Surrogate: o-Terphenyl	113 %		70-130		P3B1804	02/18/23 09:30	02/20/23 06:42	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	02/18/23 09:30	02/20/23 06:42	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	853	1.02	mg/kg dry	1	P3B1708	02/17/23 15:55	02/17/23 22:56	EPA 300.0	
% Moisture	2.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Bottom Hole -24 @ 0'-2'
3B14016-24 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00104	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 12:21	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 12:21	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 12:21	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 12:21	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 12:21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	105 %		80-120		P3B1519	02/15/23 16:33	02/16/23 12:21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	87.7 %		80-120		P3B1519	02/15/23 16:33	02/16/23 12:21	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 07:06	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 07:06	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 07:06	TPH 8015M	
Surrogate: 1-Chlorooctane	92.5 %		70-130		P3B1804	02/18/23 09:30	02/20/23 07:06	TPH 8015M	
Surrogate: o-Terphenyl	110 %		70-130		P3B1804	02/18/23 09:30	02/20/23 07:06	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	02/18/23 09:30	02/20/23 07:06	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	773	1.04	mg/kg dry	1	P3B1708	02/17/23 15:55	02/17/23 23:11	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Bottom Hole -25 @ 0'-2'
3B14016-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 12:43	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 12:43	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 12:43	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 12:43	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 12:43	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	106 %		80-120		P3B1519	02/15/23 16:33	02/16/23 12:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	87.8 %		80-120		P3B1519	02/15/23 16:33	02/16/23 12:43	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 15:18	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 15:18	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 15:18	TPH 8015M	
Surrogate: 1-Chlorooctane	96.7 %		70-130		P3B1804	02/18/23 09:30	02/20/23 15:18	TPH 8015M	
Surrogate: o-Terphenyl	116 %		70-130		P3B1804	02/18/23 09:30	02/20/23 15:18	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	02/18/23 09:30	02/20/23 15:18	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1000	5.26	mg/kg dry	5	P3B1708	02/17/23 15:55	02/20/23 10:19	EPA 300.0	
% Moisture	5.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Bottom Hole -26 @ 0'-2'

3B14016-26 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00103	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 13:04	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 13:04	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 13:04	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 13:04	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 13:04	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	105 %		80-120		P3B1519	02/15/23 16:33	02/16/23 13:04	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	88.9 %		80-120		P3B1519	02/15/23 16:33	02/16/23 13:04	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 07:54	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 07:54	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 07:54	TPH 8015M	
Surrogate: 1-Chlorooctane	93.3 %		70-130		P3B1804	02/18/23 09:30	02/20/23 07:54	TPH 8015M	
Surrogate: o-Terphenyl	111 %		70-130		P3B1804	02/18/23 09:30	02/20/23 07:54	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	02/18/23 09:30	02/20/23 07:54	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	127	1.03	mg/kg dry	1	P3B1709	02/17/23 15:57	02/18/23 00:51	EPA 300.0	
% Moisture	3.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Bottom Hole -27 @ 0'-2'

3B14016-27 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00103	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 13:25	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 13:25	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 13:25	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 13:25	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3B1519	02/15/23 16:33	02/16/23 13:25	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	105 %		80-120		P3B1519	02/15/23 16:33	02/16/23 13:25	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	86.8 %		80-120		P3B1519	02/15/23 16:33	02/16/23 13:25	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 08:18	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 08:18	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 08:18	TPH 8015M	
Surrogate: 1-Chlorooctane	83.4 %		70-130		P3B1804	02/18/23 09:30	02/20/23 08:18	TPH 8015M	
Surrogate: o-Terphenyl	98.7 %		70-130		P3B1804	02/18/23 09:30	02/20/23 08:18	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	02/18/23 09:30	02/20/23 08:18	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1400	10.3	mg/kg dry	10	P3B1709	02/17/23 15:57	02/20/23 10:34	EPA 300.0	
% Moisture	3.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

North Side Wall
3B14016-28 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00102	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 19:10	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 19:10	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 19:10	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 19:10	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 19:10	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	74.6 %		80-120		P3B1610	02/16/23 15:49	02/16/23 19:10	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	109 %		80-120		P3B1610	02/16/23 15:49	02/16/23 19:10	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 08:42	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 08:42	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 08:42	TPH 8015M	
Surrogate: 1-Chlorooctane	89.0 %		70-130		P3B1804	02/18/23 09:30	02/20/23 08:42	TPH 8015M	
Surrogate: o-Terphenyl	105 %		70-130		P3B1804	02/18/23 09:30	02/20/23 08:42	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	02/18/23 09:30	02/20/23 08:42	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	427	1.02	mg/kg dry	1	P3B1709	02/17/23 15:57	02/18/23 01:48	EPA 300.0	
% Moisture	2.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

North East Side Wall
3B14016-29 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 19:31	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 19:31	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 19:31	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 19:31	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 19:31	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	75.6 %		80-120		P3B1610	02/16/23 15:49	02/16/23 19:31	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	110 %		80-120		P3B1610	02/16/23 15:49	02/16/23 19:31	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 15:43	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 15:43	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 15:43	TPH 8015M	
Surrogate: 1-Chlorooctane	108 %		70-130		P3B1804	02/18/23 09:30	02/20/23 15:43	TPH 8015M	
Surrogate: o-Terphenyl	129 %		70-130		P3B1804	02/18/23 09:30	02/20/23 15:43	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	02/18/23 09:30	02/20/23 15:43	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	783	1.05	mg/kg dry	1	P3B1709	02/17/23 15:57	02/18/23 02:03	EPA 300.0	
% Moisture	5.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
 Project Number: 17021
 Project Manager: Blake Estep

North West Side Wall
3B14016-30 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00102	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 19:51	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 19:51	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 19:51	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 19:51	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 19:51	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	107 %		80-120		P3B1610	02/16/23 15:49	02/16/23 19:51	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	74.8 %		80-120		P3B1610	02/16/23 15:49	02/16/23 19:51	EPA 8021B	S-GC

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 09:31	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 09:31	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 09:31	TPH 8015M	
Surrogate: 1-Chlorooctane	86.1 %		70-130		P3B1804	02/18/23 09:30	02/20/23 09:31	TPH 8015M	
Surrogate: o-Terphenyl	101 %		70-130		P3B1804	02/18/23 09:30	02/20/23 09:31	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	02/18/23 09:30	02/20/23 09:31	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	190	1.02	mg/kg dry	1	P3B1709	02/17/23 15:57	02/18/23 02:17	EPA 300.0	
% Moisture	2.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

South Side Wall
3B14016-31 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 20:12	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 20:12	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 20:12	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 20:12	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 20:12	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	107 %		80-120		P3B1610	02/16/23 15:49	02/16/23 20:12	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	81.3 %		80-120		P3B1610	02/16/23 15:49	02/16/23 20:12	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 10:44	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 10:44	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 10:44	TPH 8015M	
Surrogate: 1-Chlorooctane	96.1 %		70-130		P3B1804	02/18/23 09:30	02/20/23 10:44	TPH 8015M	
Surrogate: o-Terphenyl	116 %		70-130		P3B1804	02/18/23 09:30	02/20/23 10:44	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	02/18/23 09:30	02/20/23 10:44	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	285	1.05	mg/kg dry	1	P3B1709	02/17/23 15:57	02/18/23 02:31	EPA 300.0	
% Moisture	5.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
 Project Number: 17021
 Project Manager: Blake Estep

South East Side Wall
3B14016-32 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00104	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 20:33	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 20:33	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 20:33	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 20:33	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 20:33	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	108 %		80-120		P3B1610	02/16/23 15:49	02/16/23 20:33	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	79.2 %		80-120		P3B1610	02/16/23 15:49	02/16/23 20:33	EPA 8021B	S-GC

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 11:08	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 11:08	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 11:08	TPH 8015M	
Surrogate: 1-Chlorooctane	83.4 %		70-130		P3B1804	02/18/23 09:30	02/20/23 11:08	TPH 8015M	
Surrogate: o-Terphenyl	100 %		70-130		P3B1804	02/18/23 09:30	02/20/23 11:08	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	02/18/23 09:30	02/20/23 11:08	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	928	1.04	mg/kg dry	1	P3B1709	02/17/23 15:57	02/18/23 02:46	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

South West Side Wall
3B14016-33 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 20:54	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 20:54	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 20:54	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 20:54	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3B1610	02/16/23 15:49	02/16/23 20:54	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	71.8 %		80-120		P3B1610	02/16/23 15:49	02/16/23 20:54	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	108 %		80-120		P3B1610	02/16/23 15:49	02/16/23 20:54	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 11:33	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 11:33	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3B1804	02/18/23 09:30	02/20/23 11:33	TPH 8015M	
Surrogate: 1-Chlorooctane	83.0 %		70-130		P3B1804	02/18/23 09:30	02/20/23 11:33	TPH 8015M	
Surrogate: o-Terphenyl	101 %		70-130		P3B1804	02/18/23 09:30	02/20/23 11:33	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	02/18/23 09:30	02/20/23 11:33	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	261	1.05	mg/kg dry	1	P3B1709	02/17/23 15:57	02/18/23 03:00	EPA 300.0	
% Moisture	5.0	0.1	%	1	P3B1603	02/16/23 10:06	02/16/23 10:10	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

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
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Batch P3B1517 - * DEFAULT PREP *****

Blank (P3B1517-BLK1)

Prepared & Analyzed: 02/15/23

Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.0979		"	0.120		81.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.171		"	0.120		142	80-120			S-GC

LCS (P3B1517-BS1)

Prepared & Analyzed: 02/15/23

Benzene	0.113	0.00100	mg/kg	0.100		113	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120			
Xylene (p/m)	0.231	0.00200	"	0.200		116	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 1,4-Difluorobenzene	0.0985		"	0.120		82.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.140		"	0.120		117	80-120			

LCS Dup (P3B1517-BSD1)

Prepared & Analyzed: 02/15/23

Benzene	0.118	0.00100	mg/kg	0.100		118	80-120	4.07	20	
Toluene	0.115	0.00100	"	0.100		115	80-120	11.4	20	
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120	4.10	20	
Xylene (p/m)	0.230	0.00200	"	0.200		115	80-120	0.689	20	
Xylene (o)	0.119	0.00100	"	0.100		119	80-120	9.52	20	
Surrogate: 1,4-Difluorobenzene	0.0968		"	0.120		80.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.141		"	0.120		117	80-120			

Calibration Blank (P3B1517-CCB1)

Prepared & Analyzed: 02/15/23

Benzene	0.00		ug/kg							
Toluene	0.310		"							
Ethylbenzene	0.250		"							
Xylene (p/m)	0.340		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.190		"	0.120		159	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.0981		"	0.120		81.7	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
 Project Number: 17021
 Project Manager: Blake Estep

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
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Batch P3B1517 - * DEFAULT PREP *****

Calibration Blank (P3B1517-CCB2)

Prepared & Analyzed: 02/15/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.160		"							
Xylene (p/m)	0.190		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.132		"	0.120		110	80-120			

Calibration Blank (P3B1517-CCB3)

Prepared: 02/15/23 Analyzed: 02/16/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0699		"	0.120		58.3	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.141		"	0.120		118	80-120			

Calibration Check (P3B1517-CCV1)

Prepared & Analyzed: 02/15/23

Benzene	0.118	0.00100	mg/kg	0.100		118	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.120	0.00100	"	0.100		120	80-120			
Xylene (p/m)	0.240	0.00200	"	0.200		120	80-120			
Xylene (o)	0.117	0.00100	"	0.100		117	80-120			
Surrogate: 4-Bromofluorobenzene	0.156		"	0.120		130	75-125			S-GC
Surrogate: 1,4-Difluorobenzene	0.102		"	0.120		85.3	75-125			

Calibration Check (P3B1517-CCV2)

Prepared & Analyzed: 02/15/23

Benzene	0.116	0.00100	mg/kg	0.100		116	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120			
Xylene (p/m)	0.236	0.00200	"	0.200		118	80-120			
Xylene (o)	0.119	0.00100	"	0.100		119	80-120			
Surrogate: 4-Bromofluorobenzene	0.134		"	0.120		111	75-125			
Surrogate: 1,4-Difluorobenzene	0.140		"	0.120		116	75-125			

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

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
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Batch P3B1517 - * DEFAULT PREP *****

Calibration Check (P3B1517-CCV3)

Prepared: 02/15/23 Analyzed: 02/16/23

Benzene	0.0812	0.00100	mg/kg	0.100		81.2	80-120			
Toluene	0.0808	0.00100	"	0.100		80.8	80-120			
Ethylbenzene	0.0881	0.00100	"	0.100		88.1	80-120			
Xylene (p/m)	0.179	0.00200	"	0.200		89.4	80-120			
Xylene (o)	0.0839	0.00100	"	0.100		83.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.0817		"	0.120		68.1	75-125			S-GC
Surrogate: 1,4-Difluorobenzene	0.138		"	0.120		115	75-125			

Matrix Spike (P3B1517-MS1)

Source: 3B13001-01

Prepared: 02/15/23 Analyzed: 02/16/23

Benzene	0.0631	0.00108	mg/kg dry	0.108	ND	58.7	80-120			QM-05
Toluene	0.0562	0.00108	"	0.108	ND	52.3	80-120			QM-05
Ethylbenzene	0.0602	0.00108	"	0.108	ND	56.0	80-120			QM-05
Xylene (p/m)	0.122	0.00215	"	0.215	ND	56.6	80-120			QM-05
Xylene (o)	0.0546	0.00108	"	0.108	ND	50.8	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.0798		"	0.129		61.8	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.143		"	0.129		111	80-120			

Matrix Spike Dup (P3B1517-MSD1)

Source: 3B13001-01

Prepared: 02/15/23 Analyzed: 02/16/23

Benzene	0.0704	0.00108	mg/kg dry	0.108	ND	65.4	80-120	10.9	20	QM-05
Toluene	0.0648	0.00108	"	0.108	ND	60.3	80-120	14.2	20	QM-05
Ethylbenzene	0.0694	0.00108	"	0.108	ND	64.5	80-120	14.1	20	QM-05
Xylene (p/m)	0.142	0.00215	"	0.215	ND	66.2	80-120	15.7	20	QM-05
Xylene (o)	0.0618	0.00108	"	0.108	ND	57.4	80-120	12.3	20	QM-05
Surrogate: 1,4-Difluorobenzene	0.148		"	0.129		115	80-120			
Surrogate: 4-Bromofluorobenzene	0.0910		"	0.129		70.6	80-120			S-GC

Batch P3B1519 - * DEFAULT PREP *****

Blank (P3B1519-BLK1)

Prepared: 02/15/23 Analyzed: 02/16/23

Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.156		"	0.120		130	80-120			S-GC

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

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
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Batch P3B1519 - * DEFAULT PREP *****

LCS (P3B1519-BS1)			Prepared: 02/15/23 Analyzed: 02/16/23							
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120			
Toluene	0.120	0.00100	"	0.100		120	80-120			
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120			
Xylene (p/m)	0.226	0.00200	"	0.200		113	80-120			
Xylene (o)	0.118	0.00100	"	0.100		118	80-120			
Surrogate: 4-Bromofluorobenzene	0.172		"	0.120		143	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.5	80-120			

LCS Dup (P3B1519-BSD1)			Prepared: 02/15/23 Analyzed: 02/16/23							
Benzene	0.113	0.00100	mg/kg	0.100		113	80-120	4.76	20	
Toluene	0.113	0.00100	"	0.100		113	80-120	5.41	20	
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120	1.69	20	
Xylene (p/m)	0.210	0.00200	"	0.200		105	80-120	7.24	20	
Xylene (o)	0.115	0.00100	"	0.100		115	80-120	3.32	20	
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.165		"	0.120		138	80-120			S-GC

Calibration Blank (P3B1519-CCB1)			Prepared: 02/15/23 Analyzed: 02/16/23							
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0699		"	0.120		58.3	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.141		"	0.120		118	80-120			

Calibration Blank (P3B1519-CCB2)			Prepared: 02/15/23 Analyzed: 02/16/23							
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.130		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		97.0	80-120			

Permian Basin Environmental Lab, L.P.

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

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
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Batch P3B1519 - * DEFAULT PREP *****

Calibration Blank (P3B1519-CCB3)

Prepared: 02/15/23 Analyzed: 02/16/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.140		"							
Xylene (p/m)	0.150		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		103	80-120			
Surrogate: 4-Bromofluorobenzene	0.0998		"	0.120		83.2	80-120			

Calibration Check (P3B1519-CCV1)

Prepared: 02/15/23 Analyzed: 02/16/23

Benzene	0.0812	0.00100	mg/kg	0.100		81.2	80-120			
Toluene	0.0808	0.00100	"	0.100		80.8	80-120			
Ethylbenzene	0.0881	0.00100	"	0.100		88.1	80-120			
Xylene (p/m)	0.179	0.00200	"	0.200		89.4	80-120			
Xylene (o)	0.0839	0.00100	"	0.100		83.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.0817		"	0.120		68.1	75-125			S-GC
Surrogate: 1,4-Difluorobenzene	0.138		"	0.120		115	75-125			

Calibration Check (P3B1519-CCV2)

Prepared: 02/15/23 Analyzed: 02/16/23

Benzene	0.109	0.00100	mg/kg	0.100		109	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.188	0.00200	"	0.200		94.1	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.9	75-125			
Surrogate: 1,4-Difluorobenzene	0.131		"	0.120		109	75-125			

Calibration Check (P3B1519-CCV3)

Prepared: 02/15/23 Analyzed: 02/16/23

Benzene	0.105	0.00100	mg/kg	0.100		105	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.183	0.00200	"	0.200		91.5	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.133		"	0.120		111	75-125			
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		86.3	75-125			

Permian Basin Environmental Lab, L.P.

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

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
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Batch P3B1519 - * DEFAULT PREP *****

Matrix Spike (P3B1519-MS1)		Source: 3B14016-08		Prepared: 02/15/23 Analyzed: 02/16/23						
Benzene	0.0854	0.00105	mg/kg dry	0.105	ND	81.2	80-120			
Toluene	0.0851	0.00105	"	0.105	ND	80.8	80-120			
Ethylbenzene	0.0914	0.00105	"	0.105	ND	86.8	80-120			
Xylene (p/m)	0.152	0.00211	"	0.211	ND	72.4	80-120			QM-05
Xylene (o)	0.0783	0.00105	"	0.105	ND	74.4	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.122		"	0.126		96.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.141		"	0.126		112	80-120			

Matrix Spike Dup (P3B1519-MSD1)		Source: 3B14016-08		Prepared: 02/15/23 Analyzed: 02/16/23						
Benzene	0.0884	0.00105	mg/kg dry	0.105	ND	83.9	80-120	3.37	20	
Toluene	0.0854	0.00105	"	0.105	ND	81.1	80-120	0.371	20	
Ethylbenzene	0.0894	0.00105	"	0.105	ND	84.9	80-120	2.15	20	
Xylene (p/m)	0.147	0.00211	"	0.211	ND	69.8	80-120	3.66	20	QM-05
Xylene (o)	0.0762	0.00105	"	0.105	ND	72.4	80-120	2.77	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.108		"	0.126		85.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.141		"	0.126		112	80-120			

Batch P3B1610 - * DEFAULT PREP *****

Blank (P3B1610-BLK1)				Prepared & Analyzed: 02/16/23						
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.0832		"	0.120		69.3	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		106	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
 Project Number: 17021
 Project Manager: Blake Estep

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
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Batch P3B1610 - * DEFAULT PREP *****

LCS (P3B1610-BS1)

Prepared & Analyzed: 02/16/23

Benzene	0.0962	0.00100	mg/kg	0.100		96.2	80-120			
Toluene	0.0895	0.00100	"	0.100		89.5	80-120			
Ethylbenzene	0.0973	0.00100	"	0.100		97.3	80-120			
Xylene (p/m)	0.161	0.00200	"	0.200		80.6	80-120			
Xylene (o)	0.0910	0.00100	"	0.100		91.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.0931		"	0.120		77.6	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.138		"	0.120		115	80-120			

LCS Dup (P3B1610-BSD1)

Prepared & Analyzed: 02/16/23

Benzene	0.105	0.00100	mg/kg	0.100		105	80-120	8.36	20	
Toluene	0.0993	0.00100	"	0.100		99.3	80-120	10.5	20	
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120	10.9	20	
Xylene (p/m)	0.175	0.00200	"	0.200		87.5	80-120	8.18	20	
Xylene (o)	0.102	0.00100	"	0.100		102	80-120	11.3	20	
Surrogate: 1,4-Difluorobenzene	0.142		"	0.120		119	80-120			
Surrogate: 4-Bromofluorobenzene	0.0976		"	0.120		81.3	80-120			

Calibration Blank (P3B1610-CCB1)

Prepared & Analyzed: 02/16/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.120		"							
Xylene (p/m)	0.170		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.133		"	0.120		111	80-120			
Surrogate: 4-Bromofluorobenzene	0.0905		"	0.120		75.4	80-120			S-GC

Calibration Blank (P3B1610-CCB2)

Prepared & Analyzed: 02/16/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.110		"							
Xylene (p/m)	0.370		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0931		"	0.120		77.6	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	80-120			

Permian Basin Environmental Lab, L.P.

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

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
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Batch P3B1610 - * DEFAULT PREP *****

Calibration Check (P3B1610-CCV1)				Prepared & Analyzed: 02/16/23						
Benzene	0.116	0.00100	mg/kg	0.100		116	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.177	0.00200	"	0.200		88.4	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.0900		"	0.120		75.0	75-125			
Surrogate: 1,4-Difluorobenzene	0.140		"	0.120		116	75-125			

Calibration Check (P3B1610-CCV2)				Prepared & Analyzed: 02/16/23						
Benzene	0.106	0.00100	mg/kg	0.100		106	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.184	0.00200	"	0.200		92.0	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.134		"	0.120		112	75-125			
Surrogate: 4-Bromofluorobenzene	0.0969		"	0.120		80.7	75-125			

Calibration Check (P3B1610-CCV3)				Prepared: 02/16/23 Analyzed: 02/17/23						
Benzene	0.113	0.00100	mg/kg	0.100		113	80-120			
Toluene	0.110	0.00100	"	0.100		110	80-120			
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120			
Xylene (p/m)	0.188	0.00200	"	0.200		94.0	80-120			
Xylene (o)	0.111	0.00100	"	0.100		111	80-120			
Surrogate: 1,4-Difluorobenzene	0.138		"	0.120		115	75-125			
Surrogate: 4-Bromofluorobenzene	0.0963		"	0.120		80.2	75-125			

Matrix Spike (P3B1610-MS1)				Source: 3B14016-28		Prepared: 02/16/23 Analyzed: 02/17/23				
Benzene	0.0885	0.00102	mg/kg dry	0.102	ND	86.8	80-120			
Toluene	0.0889	0.00102	"	0.102	ND	87.2	80-120			
Ethylbenzene	0.0979	0.00102	"	0.102	ND	96.0	80-120			
Xylene (p/m)	0.161	0.00204	"	0.204	ND	78.8	80-120			S-GC
Xylene (o)	0.0858	0.00102	"	0.102	ND	84.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.102		"	0.122		83.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.138		"	0.122		113	80-120			

Permian Basin Environmental Lab, L.P.

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E Tech Environmental & Safety Solutions, Inc. [1] 13000 West County Road 100 Odessa TX, 79765	Project: Rustler Bluff 33 Project Number: 17021 Project Manager: Blake Estep
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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
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Batch P3B1610 - *** DEFAULT PREP ***

Matrix Spike Dup (P3B1610-MSD1)	Source: 3B14016-28			Prepared: 02/16/23		Analyzed: 02/17/23				
Benzene	0.0891	0.00102	mg/kg dry	0.102	ND	87.3	80-120	0.632	20	
Toluene	0.0854	0.00102	"	0.102	ND	83.7	80-120	4.03	20	
Ethylbenzene	0.0911	0.00102	"	0.102	ND	89.3	80-120	7.26	20	
Xylene (p/m)	0.147	0.00204	"	0.204	ND	72.2	80-120	8.80	20	QM-05
Xylene (o)	0.0809	0.00102	"	0.102	ND	79.3	80-120	5.89	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.0962		"	0.122		78.6	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.140		"	0.122		114	80-120			

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

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
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Batch P3B1803 - TX 1005

Blank (P3B1803-BLK1)

Prepared: 02/18/23 Analyzed: 02/19/23

C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	90.1		"	100		90.1	70-130			
Surrogate: o-Terphenyl	52.6		"	50.0		105	70-130			

LCS (P3B1803-BS1)

Prepared: 02/18/23 Analyzed: 02/19/23

C6-C12	841	25.0	mg/kg	1000		84.1	75-125			
>C12-C28	952	25.0	"	1000		95.2	75-125			
Surrogate: 1-Chlorooctane	120		"	100		120	70-130			
Surrogate: o-Terphenyl	60.8		"	50.0		122	70-130			

LCS Dup (P3B1803-BSD1)

Prepared: 02/18/23 Analyzed: 02/19/23

C6-C12	864	25.0	mg/kg	1000		86.4	75-125	2.67	20	
>C12-C28	980	25.0	"	1000		98.0	75-125	2.90	20	
Surrogate: 1-Chlorooctane	122		"	100		122	70-130			
Surrogate: o-Terphenyl	61.6		"	50.0		123	70-130			

Calibration Check (P3B1803-CCV1)

Prepared: 02/18/23 Analyzed: 02/19/23

C6-C12	454	25.0	mg/kg	500		90.8	85-115			
>C12-C28	446	25.0	"	500		89.2	85-115			
Surrogate: 1-Chlorooctane	98.2		"	100		98.2	70-130			
Surrogate: o-Terphenyl	47.5		"	50.0		95.0	70-130			

Calibration Check (P3B1803-CCV2)

Prepared: 02/18/23 Analyzed: 02/19/23

C6-C12	453	25.0	mg/kg	500		90.6	85-115			
>C12-C28	451	25.0	"	500		90.1	85-115			
Surrogate: 1-Chlorooctane	98.1		"	100		98.1	70-130			
Surrogate: o-Terphenyl	48.2		"	50.0		96.4	70-130			

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

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
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Batch P3B1803 - TX 1005

Matrix Spike (P3B1803-MS1)		Source: 3B14016-20		Prepared: 02/18/23		Analyzed: 02/20/23	
C6-C12	789	25.5	mg/kg dry	1020	ND	77.3	75-125
>C12-C28	910	25.5	"	1020	ND	89.2	75-125
Surrogate: 1-Chlorooctane	111		"	102		109	70-130
Surrogate: o-Terphenyl	58.2		"	51.0		114	70-130

Matrix Spike Dup (P3B1803-MSD1)	Source: 3B14016-20			Prepared: 02/18/23	Analyzed: 02/20/23				
C6-C12	782	25.5	mg/kg dry	1020	ND	76.6	75-125	0.920	20
>C12-C28	912	25.5	"	1020	ND	89.4	75-125	0.220	20
Surrogate: 1-Chlorooctane	110		"	102		108	70-130		
Surrogate: o-Terphenyl	49.1		"	51.0		96.2	70-130		

Batch P3B1804 - TX 1005

Blank (P3B1804-BLK1)				Prepared: 02/18/23		Analyzed: 02/20/23	
C6-C12	ND	25.0	mg/kg				
>C12-C28	ND	25.0	"				
>C28-C35	ND	25.0	"				
Surrogate: 1-Chlorooctane	86.1		"	100		86.1	70-130
Surrogate: o-Terphenyl	50.4		"	50.0		101	70-130

LCS (P3B1804-BS1)				Prepared: 02/18/23		Analyzed: 02/20/23	
C6-C12	854	25.0	mg/kg	1000		85.4	75-125
>C12-C28	983	25.0	"	1000		98.3	75-125
Surrogate: 1-Chlorooctane	122		"	100		122	70-130
Surrogate: o-Terphenyl	61.8		"	50.0		124	70-130

LCS Dup (P3B1804-BSD1)				Prepared: 02/18/23		Analyzed: 02/20/23		
C6-C12	846	25.0	mg/kg	1000	84.6	75-125	0.883	20
>C12-C28	974	25.0	"	1000	97.4	75-125	0.951	20
Surrogate: 1-Chlorooctane	120		"	100	120	70-130		
Surrogate: o-Terphenyl	61.0		"	50.0	122	70-130		

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

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 P3B1804 - TX 1005										
Calibration Check (P3B1804-CCV1)				Prepared: 02/18/23 Analyzed: 02/20/23						
C6-C12	465	25.0	mg/kg	500		93.1	85-115			
>C12-C28	466	25.0	"	500		93.3	85-115			
Surrogate: 1-Chlorooctane	101		"	100		101	70-130			
Surrogate: o-Terphenyl	49.6		"	50.0		99.3	70-130			
Calibration Check (P3B1804-CCV2)				Prepared: 02/18/23 Analyzed: 02/20/23						
C6-C12	445	25.0	mg/kg	500		89.0	85-115			
>C12-C28	448	25.0	"	500		89.7	85-115			
Surrogate: 1-Chlorooctane	96.4		"	100		96.4	70-130			
Surrogate: o-Terphenyl	47.8		"	50.0		95.5	70-130			
Calibration Check (P3B1804-CCV3)				Prepared: 02/18/23 Analyzed: 02/20/23						
C6-C12	444	25.0	mg/kg	500		88.8	85-115			
>C12-C28	456	25.0	"	500		91.2	85-115			
Surrogate: 1-Chlorooctane	97.3		"	100		97.3	70-130			
Surrogate: o-Terphenyl	47.8		"	50.0		95.6	70-130			
Matrix Spike (P3B1804-MS1)				Source: 3B14016-21	Prepared: 02/18/23 Analyzed: 02/20/23					
C6-C12	696	25.5	mg/kg dry	1020	ND	68.2	75-125			QM-05
>C12-C28	819	25.5	"	1020	ND	80.3	75-125			
Surrogate: 1-Chlorooctane	91.4		"	102		89.6	70-130			
Surrogate: o-Terphenyl	45.2		"	51.0		88.6	70-130			
Matrix Spike Dup (P3B1804-MSD1)				Source: 3B14016-21	Prepared: 02/18/23 Analyzed: 02/20/23					
C6-C12	696	25.5	mg/kg dry	1020	ND	68.2	75-125	0.0117	20	QM-05
>C12-C28	820	25.5	"	1020	ND	80.3	75-125	0.0436	20	
Surrogate: 1-Chlorooctane	90.9		"	102		89.1	70-130			
Surrogate: o-Terphenyl	46.4		"	51.0		90.9	70-130			

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

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
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Batch P3B1603 - * DEFAULT PREP *****

Blank (P3B1603-BLK1)		Prepared & Analyzed: 02/16/23								
% Moisture	ND	0.1	%							
Duplicate (P3B1603-DUP1)		Source: 3B14013-07		Prepared & Analyzed: 02/16/23						
% Moisture	9.0	0.1	%		9.0			0.00	20	
Duplicate (P3B1603-DUP2)		Source: 3B14015-07		Prepared & Analyzed: 02/16/23						
% Moisture	10.0	0.1	%		10.0			0.00	20	
Duplicate (P3B1603-DUP3)		Source: 3B14015-22		Prepared & Analyzed: 02/16/23						
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P3B1603-DUP4)		Source: 3B14016-09		Prepared & Analyzed: 02/16/23						
% Moisture	10.0	0.1	%		10.0			0.00	20	
Duplicate (P3B1603-DUP5)		Source: 3B14016-24		Prepared & Analyzed: 02/16/23						
% Moisture	3.0	0.1	%		4.0			28.6	20	R3
Duplicate (P3B1603-DUP6)		Source: 3B15004-01		Prepared & Analyzed: 02/16/23						
% Moisture	7.0	0.1	%		7.0			0.00	20	
Duplicate (P3B1603-DUP7)		Source: 3B15004-07		Prepared & Analyzed: 02/16/23						
% Moisture	7.0	0.1	%		8.0			13.3	20	
Duplicate (P3B1603-DUP8)		Source: 3B15007-02		Prepared & Analyzed: 02/16/23						
% Moisture	8.0	0.1	%		8.0			0.00	20	

Batch P3B1609 - * DEFAULT PREP *****

Blank (P3B1609-BLK1)		Prepared: 02/16/23 Analyzed: 02/17/23								
Chloride	ND	1.00	mg/kg							

Permian Basin Environmental Lab, L.P.

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Project Number: 17021
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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
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Batch P3B1609 - * DEFAULT PREP *****

LCS (P3B1609-BS1) Prepared & Analyzed: 02/16/23

Chloride	21.5		mg/kg	20.0		108	90-110			
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LCS Dup (P3B1609-BSD1) Prepared: 02/16/23 Analyzed: 02/17/23

Chloride	21.3		mg/kg	20.0		107	90-110	1.06	10	
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Calibration Blank (P3B1609-CCB1) Prepared & Analyzed: 02/16/23

Chloride	0.00		mg/kg							
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Calibration Blank (P3B1609-CCB2) Prepared: 02/16/23 Analyzed: 02/17/23

Chloride	-0.170		mg/kg							
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Calibration Check (P3B1609-CCV1) Prepared & Analyzed: 02/16/23

Chloride	21.6		mg/kg	20.0		108	90-110			
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Calibration Check (P3B1609-CCV2) Prepared: 02/16/23 Analyzed: 02/17/23

Chloride	21.7		mg/kg	20.0		108	90-110			
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Calibration Check (P3B1609-CCV3) Prepared: 02/16/23 Analyzed: 02/17/23

Chloride	20.8		mg/kg	20.0		104	90-110			
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Matrix Spike (P3B1609-MS1) Source: 3B15012-21 Prepared: 02/16/23 Analyzed: 02/17/23

Chloride	507	10.8	mg/kg dry	538	28.1	89.0	80-120			
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Matrix Spike (P3B1609-MS2) Source: 3B14015-19 Prepared: 02/16/23 Analyzed: 02/17/23

Chloride	3240	10.9	mg/kg dry	543	3150	15.3	80-120			QM-05
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Matrix Spike Dup (P3B1609-MSD1) Source: 3B15012-21 Prepared: 02/16/23 Analyzed: 02/17/23

Chloride	482	10.8	mg/kg dry	538	28.1	84.5	80-120	4.96	20	
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E Tech Environmental & Safety Solutions, Inc. [1]
13000 West County Road 100
Odessa TX, 79765

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

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
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Batch P3B1609 - * DEFAULT PREP *****

Matrix Spike Dup (P3B1609-MSD2)

Source: 3B14015-19

Prepared: 02/16/23 Analyzed: 02/17/23

Chloride	3570	10.9	mg/kg dry	543	3150	77.0	80-120	9.84	20	QM-05
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Batch P3B1708 - * DEFAULT PREP *****

Blank (P3B1708-BLK1)

Prepared & Analyzed: 02/17/23

Chloride	ND	1.00	mg/kg							
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LCS (P3B1708-BS1)

Prepared & Analyzed: 02/17/23

Chloride	21.3		mg/kg	20.0		106	90-110			
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LCS Dup (P3B1708-BSD1)

Prepared & Analyzed: 02/17/23

Chloride	21.4		mg/kg	20.0		107	90-110	0.502	10	
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Calibration Blank (P3B1708-CCB1)

Prepared & Analyzed: 02/17/23

Chloride	0.00		mg/kg							
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Calibration Blank (P3B1708-CCB2)

Prepared & Analyzed: 02/17/23

Chloride	-0.140		mg/kg							
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Calibration Check (P3B1708-CCV1)

Prepared & Analyzed: 02/17/23

Chloride	21.3		mg/kg	20.0		106	90-110			
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Calibration Check (P3B1708-CCV2)

Prepared & Analyzed: 02/17/23

Chloride	21.3		mg/kg	20.0		107	90-110			
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Calibration Check (P3B1708-CCV3)

Prepared & Analyzed: 02/17/23

Chloride	21.0		mg/kg	20.0		105	90-110			
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Permian Basin Environmental Lab, L.P.

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

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
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Batch P3B1708 - * DEFAULT PREP *****

Matrix Spike (P3B1708-MS1)	Source: 3B14016-06		Prepared & Analyzed: 02/17/23							
Chloride	2770	10.5	mg/kg dry	526	2560	39.7	80-120			QM-05

Matrix Spike (P3B1708-MS2)	Source: 3B14016-16		Prepared & Analyzed: 02/17/23							
Chloride	2580	10.9	mg/kg dry	543	1980	111	80-120			

Matrix Spike Dup (P3B1708-MSD1)	Source: 3B14016-06		Prepared & Analyzed: 02/17/23							
Chloride	2790	10.5	mg/kg dry	526	2560	44.1	80-120	0.841	20	QM-05

Matrix Spike Dup (P3B1708-MSD2)	Source: 3B14016-16		Prepared & Analyzed: 02/17/23							
Chloride	2630	10.9	mg/kg dry	543	1980	119	80-120	1.78	20	

Batch P3B1709 - * DEFAULT PREP *****

Blank (P3B1709-BLK1)			Prepared: 02/17/23 Analyzed: 02/18/23							
Chloride	ND	1.00	mg/kg							

LCS (P3B1709-BS1)			Prepared: 02/17/23 Analyzed: 02/18/23							
Chloride	21.4		mg/kg	20.0		107	90-110			

LCS Dup (P3B1709-BSD1)			Prepared: 02/17/23 Analyzed: 02/18/23							
Chloride	21.0		mg/kg	20.0		105	90-110	2.12	10	

Calibration Blank (P3B1709-CCB1)			Prepared & Analyzed: 02/17/23							
Chloride	-0.155		mg/kg							

Calibration Blank (P3B1709-CCB2)			Prepared: 02/17/23 Analyzed: 02/18/23							
Chloride	0.00		mg/kg							

Permian Basin Environmental Lab, L.P.

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13000 West County Road 100
Odessa TX, 79765

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

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 P3B1709 - *** DEFAULT PREP ***										
Calibration Check (P3B1709-CCV1)				Prepared & Analyzed: 02/17/23						
Chloride	21.0		mg/kg	20.0		105	90-110			
Calibration Check (P3B1709-CCV2)				Prepared: 02/17/23 Analyzed: 02/18/23						
Chloride	21.5		mg/kg	20.0		108	90-110			
Calibration Check (P3B1709-CCV3)				Prepared: 02/17/23 Analyzed: 02/20/23						
Chloride	20.6		mg/kg	20.0		103	90-110			
Matrix Spike (P3B1709-MS1)				Source: 3B14016-26		Prepared: 02/17/23 Analyzed: 02/18/23				
Chloride	378	1.03	mg/kg dry	258	127	97.1	80-120			
Matrix Spike (P3B1709-MS2)				Source: 3B15005-02		Prepared: 02/17/23 Analyzed: 02/18/23				
Chloride	2910	10.2	mg/kg dry	510	2570	67.7	80-120			QM-05
Matrix Spike Dup (P3B1709-MSD1)				Source: 3B14016-26		Prepared: 02/17/23 Analyzed: 02/18/23				
Chloride	387	1.03	mg/kg dry	258	127	101	80-120	2.31	20	
Matrix Spike Dup (P3B1709-MSD2)				Source: 3B15005-02		Prepared: 02/17/23 Analyzed: 02/18/23				
Chloride	2440	10.2	mg/kg dry	510	2570	NR	80-120	17.8	20	QM-05

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13000 West County Road 100
Odessa TX, 79765

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

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

R3 The RPD exceeded the acceptance limit due to sample matrix effects.

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.

NPBEL C Chain of Custody was not generated at PBELAB

BULK Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

2/28/2023

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

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

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

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

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

PBE LAB Permian Basin Environmental Lab, L.P.
1100 Rankin Hwy Midland, Texas 79701 Phone: 432-6886-7235

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

1043

Project Manager: Blake Estep

Company Name: Etech Environmental & Safety Solutions, Inc.

Company Address: P.O. Box 62228

City/State/Zip: Midland, Texas 79711

Sampler Signature: email: blake@etechenv.com

Project Name: Rustler Bluff 33

Project #: 17021 Project Loc: NM

Area: Chevron PO#: 17021

Bill Etech

Report Format: STANDARD ☐ TRRP ☐ NPDES ☐

LAB # (lab use only)		Preservation & # of Containers														Matrix										Analyze For:									
FIELD CODE		Start Depth	End Depth	Date Sampled	Time Sampled	No. of Containers	Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-PotableSpecify Other	TPH: 418, 8015M, 1005, 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , CO ₃ , HCO ₃)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semi volatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides	RUSH TAT(Pre-Schedule) 24, 48, 72 hrs	STANDARD TAT					
1	Bottom H ₂ O-1	0	2'	2-10-23	1330	1	☒	☐	☐	☐	☐	☐	☐	☐					☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒					
2	Bottom H ₂ O-2	0	2'		1333	1	☐	☐	☐	☐	☐	☐	☐	☐					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐					
3	Bottom H ₂ O-3	0	2'		1336	1	☐	☐	☐	☐	☐	☐	☐	☐					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐					
4	Bottom H ₂ O-4	0	2'		1339	1	☐	☐	☐	☐	☐	☐	☐	☐					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐					
5	Bottom H ₂ O-5	0	2'		1342	1	☐	☐	☐	☐	☐	☐	☐	☐					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐					
6	Bottom H ₂ O-6	0	2'		1345	1	☐	☐	☐	☐	☐	☐	☐	☐					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐					
7	Bottom H ₂ O-7	0	2'		1348	1	☐	☐	☐	☐	☐	☐	☐	☐					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐					
8	Bottom H ₂ O-8	0	2'		1351	1	☐	☐	☐	☐	☐	☐	☐	☐					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐					
9	Bottom H ₂ O-9	0	2'		1354	1	☐	☐	☐	☐	☐	☐	☐	☐					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐					
10	Bottom H ₂ O-10	0	2'		1357	1	☐	☐	☐	☐	☐	☐	☐	☐					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐					
11	Bottom H ₂ O-11	0	2'		1400	1	☐	☐	☐	☐	☐	☐	☐	☐					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐					
12	Bottom H ₂ O-12	0	2'		1403	1	☐	☐	☐	☐	☐	☐	☐	☐					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐					
13	Bottom H ₂ O-13	0	2'		1406	1	☐	☐	☐	☐	☐	☐	☐	☐					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐					
14	Bottom H ₂ O-14	0	2'		1409	1	☐	☐	☐	☐	☐	☐	☐	☐					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐					

Special Instructions:

Relinquished by:  Date: 2/14/23 Time: 14:40 Received by:  Date: 2/14/23 Time: 14:40Relinquished by:  Date:  Time:  Received by:  Date:  Time: Relinquished by:  Date:  Time:  Received by:  Date:  Time: 

Laboratory Comments:

Sample Containers intact?
VOCs Free of Headspace?
Custody seals on container(s)
Custody seals on cooler(s)
Sample Hand Delivered
SAR by Sampler/Client Rep.?
SAR by Courier?Y
Y
Y
Y
Y
Y
YUPS
DHL
FedEx
Lone Star

Temperature Upon Receipt: 4.4 °C

Project Manager: Blake Estep
Company Name: Etech Environmental & Safety Solutions, Inc.
Company Address: P.O. Box 62228
City/State/Zip: Midland, Texas 79711
Sampler Signature: _____ email: blake@etechenv.com

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

2023

Project Name: Ruffe Blue 33
Project #: 17021 Project Loc: NM
Area: _____ PO#: 17021

☒ Bill Etech

Report Format: STANDARD ☐ TRRP ☐ NPDES ☐

LAB # (lab use only)		Preservation & # of Containers										Matrix										Analyze For:											
LAB # (lab use only)	FIELD CODE	Start Depth	End Depth	Date Sampled	Time Sampled	No. of Containers	Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	TPH: 418.1	8015MP	1005	1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , CO ₃ , HCO ₃)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semi volatiles	BTX 80211/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides	RUSH TAT(Pre-Schedule) 24, 48, 72 hrs	STANDARD TAT		
15	Bottom Hole-15	0	2'	2-10-23	14/12	1	☒	☐	☐	☐	☐	☐	☐	☐			☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	
14	Bottom Hole-14	0	2'		14/15	1	☐	☐	☐	☐	☐	☐	☐	☐			☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	
17	Bottom Hole-17	0	2'		14/18	1	☐	☐	☐	☐	☐	☐	☐	☐			☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	
18	Bottom Hole-18	0	2'		14/21	1	☐	☐	☐	☐	☐	☐	☐	☐			☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	
19	Bottom Hole-19	0	2'		14/24	1	☐	☐	☐	☐	☐	☐	☐	☐			☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	
20	Bottom Hole-20	0	2'		14/27	1	☐	☐	☐	☐	☐	☐	☐	☐			☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	
21	Bottom Hole-21	0	2'		14/30	1	☐	☐	☐	☐	☐	☐	☐	☐			☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	
22	Bottom Hole-22	0	2'		14/33	1	☐	☐	☐	☐	☐	☐	☐	☐			☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	
23	Bottom Hole-23	0	2'		14/36	1	☐	☐	☐	☐	☐	☐	☐	☐			☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	
24	Bottom Hole-24	0	2'		14/39	1	☐	☐	☐	☐	☐	☐	☐	☐			☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	
25	Bottom Hole-25	0	2'		14/42	1	☐	☐	☐	☐	☐	☐	☐	☐			☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	
26	Bottom Hole-26	0	2'		14/45	1	☐	☐	☐	☐	☐	☐	☐	☐			☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	
27	Bottom Hole-27	0	2'		14/48	1	☐	☐	☐	☐	☐	☐	☐	☐			☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	
28	North Side well				14/51	1	☐	☐	☐	☐	☐	☐	☐	☐			☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒

Special Instructions:

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Laboratory Comments:
Sample Containers Intact? ☒
VOCs Free of Headspace? ☒
Custody seals on container(s) ☒
Custody seals on cooler(s) ☒
Sample Hand Delivered ☒
SAR by Sampler/Client Rep. ? ☒
SAR by Courier? ☒ UPS ☒ DHL ☒ FedEx ☒
Temperature Upon Receipt: 44 °C NCFB

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



Analytical Report

Prepared for:

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

Project: Rustler Bluff 33

Project Number: 17021

Location: New Mexico

Lab Order Number: 3C22009



Current Certification

Report Date: 03/30/23

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom Hole -1A @ 4'	3C22009-01	Soil	03/17/23 15:00	03-22-2023 11:40
Bottom Hole -4A @ 4'	3C22009-02	Soil	03/17/23 14:00	03-22-2023 11:40
Bottom Hole -5A @ 4'	3C22009-03	Soil	03/17/23 13:20	03-22-2023 11:40
Bottom Hole -6A @ 4'	3C22009-04	Soil	03/17/23 13:15	03-22-2023 11:40
Bottom Hole -7A @ 4'	3C22009-05	Soil	03/17/23 13:30	03-22-2023 11:40
Bottom Hole -8A @ 4'	3C22009-06	Soil	03/17/23 13:35	03-22-2023 11:40
Bottom Hole -12A @ 4'	3C22009-07	Soil	03/17/23 11:50	03-22-2023 11:40
Bottom Hole -13A @ 4'	3C22009-08	Soil	03/17/23 11:45	03-22-2023 11:40
Bottom Hole -14A @ 4'	3C22009-09	Soil	03/17/23 12:00	03-22-2023 11:40
Bottom Hole -15A @ 4'	3C22009-10	Soil	03/17/23 12:05	03-22-2023 11:40
Bottom Hole -16A @ 4'	3C22009-11	Soil	03/17/23 12:15	03-22-2023 11:40
Bottom Hole -17A @ 4'	3C22009-12	Soil	03/17/23 12:30	03-22-2023 11:40
Bottom Hole -18A @ 4'	3C22009-13	Soil	03/17/23 12:00	03-22-2023 11:40
Bottom Hole -19A @ 4'	3C22009-14	Soil	03/17/23 11:55	03-22-2023 11:40
Bottom Hole -20A @ 4'	3C22009-15	Soil	03/17/23 11:50	03-22-2023 11:40
Bottom Hole -22A @ 4'	3C22009-16	Soil	03/17/23 11:45	03-22-2023 11:40
Bottom Hole -23A @ 4'	3C22009-17	Soil	03/17/23 11:40	03-22-2023 11:40
Bottom Hole -24A @ 4'	3C22009-18	Soil	03/17/23 11:35	03-22-2023 11:40
Bottom Hole -25A @ 4'	3C22009-19	Soil	03/17/23 11:30	03-22-2023 11:40
Bottom Hole -27A @ 4'	3C22009-20	Soil	03/17/23 15:05	03-22-2023 11:40
South East Sidewall A @ 36"	3C22009-21	Soil	03/20/23 14:05	03-22-2023 11:40
Northeast Sidewall A @ 36"	3C22009-22	Soil	03/20/23 14:30	03-22-2023 11:40

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

Project: Rustler Bluff 33
 Project Number: 17021
 Project Manager: Blake Estep

Bottom Hole -1A @ 4'
3C22009-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P3C2307	03/23/23 13:36	03/25/23 18:39	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P3C2307	03/23/23 13:36	03/25/23 18:39	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P3C2307	03/23/23 13:36	03/25/23 18:39	TPH 8015M	
Surrogate: 1-Chlorooctane	79.0 %	70-130			P3C2307	03/23/23 13:36	03/25/23 18:39	TPH 8015M	
Surrogate: o-Terphenyl	96.2 %	70-130			P3C2307	03/23/23 13:36	03/25/23 18:39	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	03/23/23 13:36	03/25/23 18:39	calc	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	4.0	0.1	%	1	P3C2301	03/23/23 10:44	03/23/23 10:50	ASTM D2216	
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Permian Basin Environmental Lab, L.P.

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

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Rustler Bluff 33
13000 West County Road 100	Project Number: 17021
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole -4A @ 4'
3C22009-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	293	1.04	mg/kg dry	1	P3C2708	03/27/23 16:04	03/27/23 18:54	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3C2301	03/23/23 10:44	03/23/23 10:50	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Rustler Bluff 33
13000 West County Road 100	Project Number: 17021
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole -5A @ 4'
3C22009-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	214	1.03	mg/kg dry	1	P3C2708	03/27/23 16:04	03/27/23 19:37	EPA 300.0	
% Moisture	3.0	0.1	%	1	P3C2301	03/23/23 10:44	03/23/23 10:50	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Rustler Bluff 33
13000 West County Road 100	Project Number: 17021
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole -6A @ 4'

3C22009-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	252	1.03	mg/kg dry	1	P3C2708	03/27/23 16:04	03/27/23 19:51	EPA 300.0	
% Moisture	3.0	0.1	%	1	P3C2301	03/23/23 10:44	03/23/23 10:50	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Rustler Bluff 33
13000 West County Road 100	Project Number: 17021
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole -7A @ 4'

3C22009-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	96.0	1.03	mg/kg dry	1	P3C2708	03/27/23 16:04	03/27/23 20:06	EPA 300.0	
% Moisture	3.0	0.1	%	1	P3C2301	03/23/23 10:44	03/23/23 10:50	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Rustler Bluff 33
13000 West County Road 100	Project Number: 17021
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole -8A @ 4'
3C22009-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	471	1.04	mg/kg dry	1	P3C2708	03/27/23 16:04	03/27/23 20:20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3C2301	03/23/23 10:44	03/23/23 10:50	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Rustler Bluff 33
13000 West County Road 100	Project Number: 17021
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole -12A @ 4'

3C22009-07 (Soil)

Analyte	Reporting Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	127	1.03	mg/kg dry	1	P3C2708	03/27/23 16:04	03/27/23 20:34	EPA 300.0	
% Moisture	3.0	0.1	%	1	P3C2301	03/23/23 10:44	03/23/23 10:50	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Rustler Bluff 33
13000 West County Road 100	Project Number: 17021
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole -13A @ 4'
3C22009-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	105	1.04	mg/kg dry	1	P3C2708	03/27/23 16:04	03/27/23 20:48	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3C2301	03/23/23 10:44	03/23/23 10:50	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Rustler Bluff 33
13000 West County Road 100	Project Number: 17021
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole -14A @ 4'
3C22009-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	27.9	1.06	mg/kg dry	1	P3C2708	03/27/23 16:04	03/27/23 21:03	EPA 300.0	
% Moisture	6.0	0.1	%	1	P3C2301	03/23/23 10:44	03/23/23 10:50	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Rustler Bluff 33
13000 West County Road 100	Project Number: 17021
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole -15A @ 4'
3C22009-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	25.4	1.06	mg/kg dry	1	P3C2708	03/27/23 16:04	03/27/23 21:17	EPA 300.0	
% Moisture	6.0	0.1	%	1	P3C2301	03/23/23 10:44	03/23/23 10:50	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Rustler Bluff 33
13000 West County Road 100	Project Number: 17021
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole -16A @ 4'
3C22009-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	136	1.03	mg/kg dry	1	P3C2708	03/27/23 16:04	03/27/23 21:31	EPA 300.0	
% Moisture	3.0	0.1	%	1	P3C2301	03/23/23 10:44	03/23/23 10:50	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Rustler Bluff 33
13000 West County Road 100	Project Number: 17021
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole -17A @ 4'
3C22009-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	124	1.04	mg/kg dry	1	P3C2708	03/27/23 16:04	03/27/23 22:14	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3C2301	03/23/23 10:44	03/23/23 10:50	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Rustler Bluff 33
13000 West County Road 100	Project Number: 17021
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole -18A @ 4'
3C22009-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	154	1.05	mg/kg dry	1	P3C2708	03/27/23 16:04	03/27/23 22:57	EPA 300.0	
% Moisture	5.0	0.1	%	1	P3C2301	03/23/23 10:44	03/23/23 10:50	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Rustler Bluff 33
13000 West County Road 100	Project Number: 17021
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole -19A @ 4'

3C22009-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	75.1	1.04	mg/kg dry	1	P3C2708	03/27/23 16:04	03/27/23 23:12	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3C2301	03/23/23 10:44	03/23/23 10:50	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Rustler Bluff 33
13000 West County Road 100	Project Number: 17021
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole -20A @ 4'
3C22009-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	95.0	1.04	mg/kg dry	1	P3C2708	03/27/23 16:04	03/27/23 23:26	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3C2301	03/23/23 10:44	03/23/23 10:50	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Rustler Bluff 33
13000 West County Road 100	Project Number: 17021
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole -22A @ 4'
3C22009-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	109	1.04	mg/kg dry	1	P3C2708	03/27/23 16:04	03/27/23 23:40	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3C2301	03/23/23 10:44	03/23/23 10:50	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Rustler Bluff 33
13000 West County Road 100	Project Number: 17021
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole -23A @ 4'
3C22009-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	498	1.04	mg/kg dry	1	P3C2708	03/27/23 16:04	03/27/23 23:55	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3C2301	03/23/23 10:44	03/23/23 10:50	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Rustler Bluff 33
13000 West County Road 100	Project Number: 17021
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole -24A @ 4'

3C22009-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	409	1.04	mg/kg dry	1	P3C2708	03/27/23 16:04	03/28/23 00:09	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3C2301	03/23/23 10:44	03/23/23 10:50	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Rustler Bluff 33
13000 West County Road 100	Project Number: 17021
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole -25A @ 4'
3C22009-19 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	491	1.04	mg/kg dry	1	P3C2708	03/27/23 16:04	03/28/23 00:24	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3C2301	03/23/23 10:44	03/23/23 10:50	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Rustler Bluff 33
13000 West County Road 100	Project Number: 17021
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole -27A @ 4'
3C22009-20 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	42.7	1.04	mg/kg dry	1	P3C2708	03/27/23 16:04	03/28/23 00:38	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3C2301	03/23/23 10:44	03/23/23 10:50	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Rustler Bluff 33
13000 West County Road 100	Project Number: 17021
Odessa TX, 79765	Project Manager: Blake Estep

South East Sidewall A @ 36"
3C22009-21 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	39.7	1.03	mg/kg dry	1	P3C2708	03/27/23 16:04	03/28/23 00:52	EPA 300.0	
% Moisture	3.0	0.1	%	1	P3C2301	03/23/23 10:44	03/23/23 10:50	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Rustler Bluff 33
13000 West County Road 100	Project Number: 17021
Odessa TX, 79765	Project Manager: Blake Estep

Northeast Sidewall A @ 36"
3C22009-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	234	1.04	mg/kg dry	1	P3C2601	03/26/23 14:23	03/26/23 17:08	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3C2301	03/23/23 10:44	03/23/23 10:50	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

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
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Batch P3C2307 - TX 1005

Blank (P3C2307-BLK1)

Prepared: 03/23/23 Analyzed: 03/26/23

C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	79.6		"	100		79.6	70-130			
Surrogate: o-Terphenyl	48.9		"	50.0		97.8	70-130			

LCS (P3C2307-BS1)

Prepared: 03/23/23 Analyzed: 03/25/23

C6-C12	961	25.0	mg/kg	1000		96.1	75-125			
>C12-C28	1030	25.0	"	1000		103	75-125			
Surrogate: 1-Chlorooctane	111		"	100		111	70-130			
Surrogate: o-Terphenyl	47.4		"	50.0		94.9	70-130			

LCS Dup (P3C2307-BSD1)

Prepared: 03/23/23 Analyzed: 03/25/23

C6-C12	902	25.0	mg/kg	1000		90.2	75-125	6.30	20	
>C12-C28	971	25.0	"	1000		97.1	75-125	5.52	20	
Surrogate: 1-Chlorooctane	103		"	100		103	70-130			
Surrogate: o-Terphenyl	44.0		"	50.0		88.1	70-130			

Calibration Check (P3C2307-CCV1)

Prepared: 03/23/23 Analyzed: 03/25/23

C6-C12	540	25.0	mg/kg	500		108	85-115			
>C12-C28	468	25.0	"	500		93.7	85-115			
Surrogate: 1-Chlorooctane	95.6		"	100		95.6	70-130			
Surrogate: o-Terphenyl	48.5		"	50.0		97.1	70-130			

Calibration Check (P3C2307-CCV2)

Prepared: 03/23/23 Analyzed: 03/25/23

C6-C12	469	25.0	mg/kg	500		93.9	85-115			
>C12-C28	426	25.0	"	500		85.2	85-115			
Surrogate: 1-Chlorooctane	82.1		"	100		82.1	70-130			
Surrogate: o-Terphenyl	41.4		"	50.0		82.9	70-130			

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

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
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Batch P3C2307 - TX 1005

Duplicate (P3C2307-DUP1)

Source: 3C22014-04

Prepared: 03/23/23 Analyzed: 03/26/23

C6-C12	17.3	26.6	mg/kg dry		10.9			44.7	20	R3
>C12-C28	456	26.6	"		427			6.49	20	
Surrogate: 1-Chlorooctane	103		"	106		96.8	70-130			
Surrogate: o-Terphenyl	65.3		"	53.2		123	70-130			

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

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
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Batch P3C2301 - * DEFAULT PREP *****

Blank (P3C2301-BLK1)	Prepared & Analyzed: 03/23/23									
% Moisture	ND	0.1	%							
Blank (P3C2301-BLK2)	Prepared & Analyzed: 03/23/23									
% Moisture	ND	0.1	%							
Duplicate (P3C2301-DUP1)	Source: 3C22007-01		Prepared & Analyzed: 03/23/23							
% Moisture	3.0	0.1	%		2.0			40.0	20	R3
Duplicate (P3C2301-DUP2)	Source: 3C22006-04		Prepared & Analyzed: 03/23/23							
% Moisture	11.0	0.1	%		10.0			9.52	20	
Duplicate (P3C2301-DUP3)	Source: 3C22009-08		Prepared & Analyzed: 03/23/23							
% Moisture	4.0	0.1	%		4.0			0.00	20	
Duplicate (P3C2301-DUP4)	Source: 3C22009-18		Prepared & Analyzed: 03/23/23							
% Moisture	4.0	0.1	%		4.0			0.00	20	

Batch P3C2601 - * DEFAULT PREP *****

Blank (P3C2601-BLK1)	Prepared & Analyzed: 03/26/23									
Chloride	ND	1.00	mg/kg							
LCS (P3C2601-BS1)	Prepared: 03/26/23 Analyzed: 03/27/23									
Chloride	21.6		mg/kg	20.0		108	90-110			
LCS Dup (P3C2601-BSD1)	Prepared & Analyzed: 03/26/23									
Chloride	22.0		mg/kg	20.0		110	90-110	1.66	10	

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

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
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Batch P3C2601 - * DEFAULT PREP *****

Calibration Check (P3C2601-CCV1)				Prepared: 03/26/23 Analyzed: 03/27/23						
Chloride	19.0		mg/kg	20.0		94.9	90-110			
Calibration Check (P3C2601-CCV2)				Prepared: 03/26/23 Analyzed: 03/27/23						
Chloride	18.8		mg/kg	20.0		94.0	90-110			
Calibration Check (P3C2601-CCV3)				Prepared: 03/26/23 Analyzed: 03/27/23						
Chloride	18.1		mg/kg	20.0		90.4	90-110			
Matrix Spike (P3C2601-MS2)		Source: 3C22016-02		Prepared & Analyzed: 03/26/23						
Chloride	775	1.04	mg/kg dry	521	279	95.2	80-120			
Matrix Spike Dup (P3C2601-MSD2)		Source: 3C22016-02		Prepared & Analyzed: 03/26/23						
Chloride	803	1.04	mg/kg dry	521	279	101	80-120	3.52	20	

Batch P3C2708 - * DEFAULT PREP *****

Blank (P3C2708-BLK1)				Prepared & Analyzed: 03/27/23						
Chloride	ND	1.00	mg/kg							
LCS (P3C2708-BS1)				Prepared: 03/27/23 Analyzed: 03/28/23						
Chloride	21.2		mg/kg	20.0		106	90-110			
LCS Dup (P3C2708-BSD1)				Prepared: 03/27/23 Analyzed: 03/28/23						
Chloride	21.0		mg/kg	20.0		105	90-110	1.08	10	
Calibration Check (P3C2708-CCV1)				Prepared & Analyzed: 03/27/23						
Chloride	19.6		mg/kg	20.0		98.2	90-110			

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
 Project Number: 17021
 Project Manager: Blake Estep

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 P3C2708 - *** DEFAULT PREP ***										
Calibration Check (P3C2708-CCV2)				Prepared: 03/27/23 Analyzed: 03/28/23						
Chloride	21.1		mg/kg	20.0		106	90-110			
Calibration Check (P3C2708-CCV3)				Prepared: 03/27/23 Analyzed: 03/28/23						
Chloride	21.7		mg/kg	20.0		109	90-110			
Matrix Spike (P3C2708-MS1)		Source: 3C22009-02		Prepared & Analyzed: 03/27/23						
Chloride	112		mg/kg	50.0	28.1	167	80-120			QM-05
Matrix Spike (P3C2708-MS2)		Source: 3C22009-12		Prepared & Analyzed: 03/27/23						
Chloride	99.9		mg/kg	50.0	11.9	176	80-120			QM-05
Matrix Spike Dup (P3C2708-MSD1)		Source: 3C22009-02		Prepared & Analyzed: 03/27/23						
Chloride	105		mg/kg	50.0	28.1	154	80-120	6.05	20	QM-05
Matrix Spike Dup (P3C2708-MSD2)		Source: 3C22009-12		Prepared & Analyzed: 03/27/23						
Chloride	67.8		mg/kg	50.0	11.9	112	80-120	38.3	20	R

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

Notes and Definitions

ROI Received on Ice

R3 The RPD exceeded the acceptance limit due to sample matrix effects.

R The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits.

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.

NPBEL C Chain of Custody was not generated at PBELAB

BULK Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

3/30/2023

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

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

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

Project: Rustler Bluff 33
Project Number: 17021
Project Manager: Blake Estep

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

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

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Blake Estep

Company Name: Etech Environmental & Safety Solutions, Inc.

Company Address: P.O. Box 62228

City/State/Zip: Midland, Texas 79711

Sampler Signature:  email: blake@etechenv.com

Project Name: Rustler Bluff 33

Project #: 17021 Project Loc:

Area: PO#: 17021

~~X~~Bill Etech

Report Format: STANDARD: ☐ TRRP: ☐ NPDES: ☐[illegible]

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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Area: PO#: 17021

☒ Bill Etech

Report Format: STANDARD: ☐ TRRP: ☐ NPDES: ☐[illegible]

APPENDIX F

Approved Remediation Work Plan



PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805
E-MAIL: cbrunson@bbcinternational.com

DELINEATION WORKPLAN

CHEVRON – RUSTLER BLUFF 33 (Leak Date: 2/18/17)

RP # 2RP-4135
API # 30-015-42670

This delineation workplan and remediation proposal addresses the release associated with RP # 2RP-4135.

The following information includes:

1. Scaled digital site map with spill area demarcated and leak point identified along with sample point locations and areas of remediation at appropriate depths.
2. GPS information for sample points and sample methodology
3. Depth to groundwater information (i.e., pdf of OSE search results and/or copy of Chevron groundwater trend map).
4. Laboratory analysis results summary table and original laboratory analysis reports
5. A copy of the initial C-141
6. Potentially other pertinent information as necessary for site specific purposes.

Based on the information included in this package and the NMOCD guidelines, the following remediation is proposed:

CHEVRON will excavate the spill area as depicted on the following site diagram. The entire leak area will be excavated to a depth of 1 foot.

The entire site will then be backfilled with clean soil and revegetated (if warranted) to the standards of the appropriate regulatory agency or private surface owner.

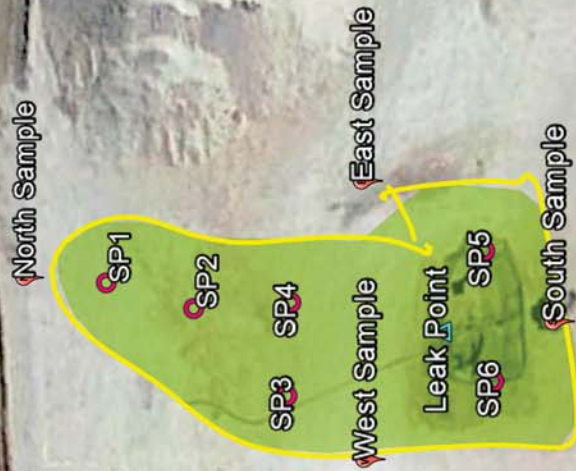
All excavated materials will be disposed of at an NMOCD-approved disposal facility.

Chevron, Rustler Bluff 33

2RP-4135, API # 30-015-42670

Legend

- 1' Excavation
- East Sample
- Leak Point
- North Sample
- Sample points, Hand auger
- South Sample
- Spill Area
- West Sample



Chevron, Rustler Bluff 33

Samples, Hand Auger

SP1, GPS point: N 32.16613 W-103.98728

SP2, GPS point: N 32.16607 W-103.98730

SP3, GPS point: N 32.16600 W-103.98736

SP4, GPS point: N 32.16600 W-103.98729

SP5, GPS point: N 32.16587 W-103.98725

SP6, GPS point: N 32.16587 W-103.98735

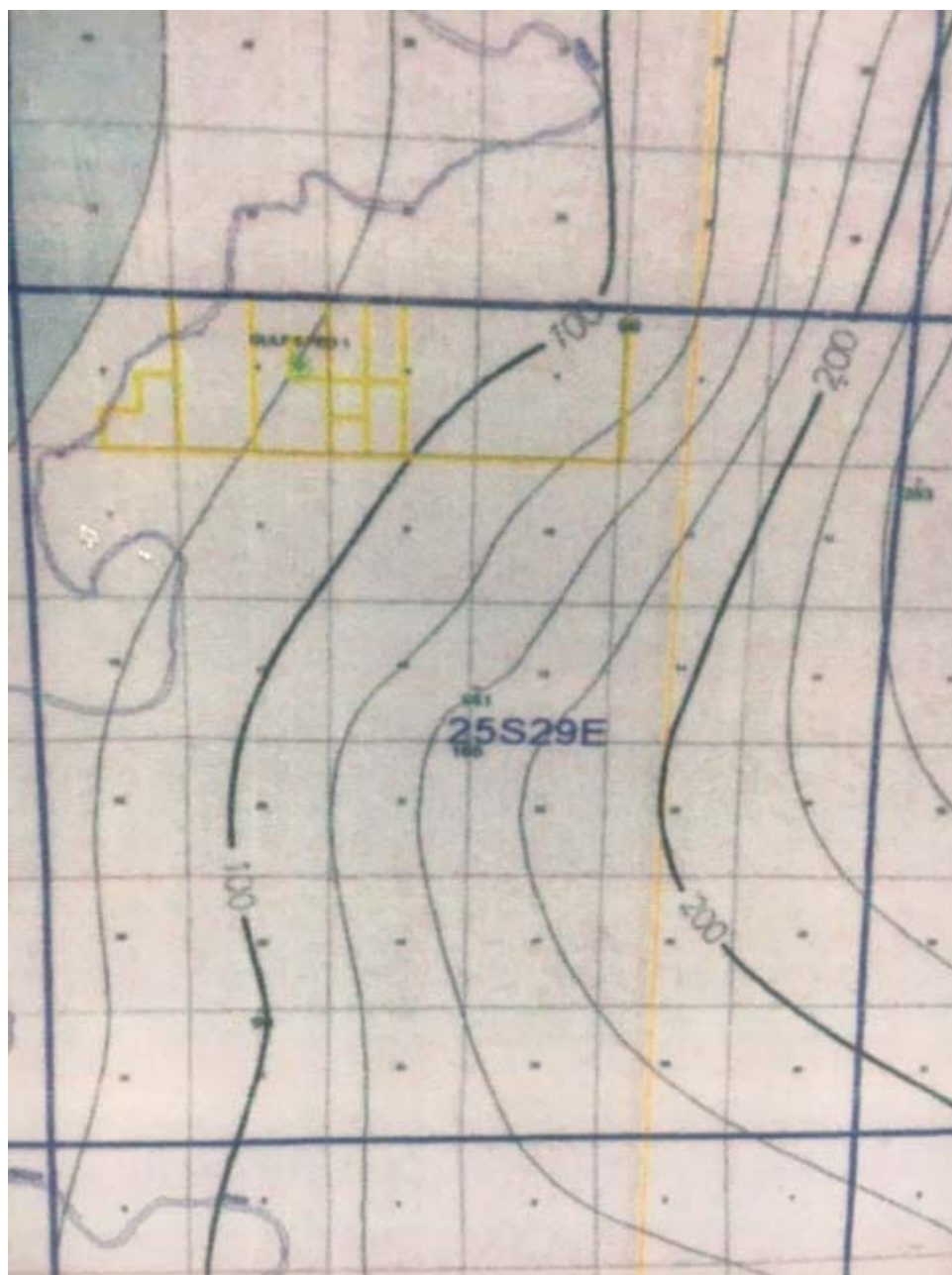
Samples, Hand Auger

North Sample, GPS point: N 32.16617 W-103.98727

South Sample, GPS point: N 32.16582 W-103.98730

East Sample, GPS point: N 32.16594 W-103.98720

West Sample, GPS point: N 32.16594 W-103.98741



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 595482 Northing (Y): 3559138 Radius: 1700

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

3/8/17 9:50 AM

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Public Land Survey System (PLSS)

☐ Q64: Q16: Q4: Sec: Tws: Rng:

State Plane Coordinate System - NAD27

☐ X: ft Y: ft Zone:

State Plane Coordinate System - NAD83

☐ X: ft Y: ft Zone:

Degrees/Minutes/Seconds

☐ Longitude (X): Degrees: ° Minutes: ' Seconds: "

Latitude (Y): Degrees: ° Minutes: ' Seconds: "

UTM - NAD27

☐ Easting (X): mtrs Northing (Y): mtrs Zone:

SUBMIT

All Conversion Results are displayed as NAD 1983 UTM Zone 13

Easting (X): mtrs Northing (Y): mtrs

~~ Please keep screen open to copy UTM values for Reports. ~~

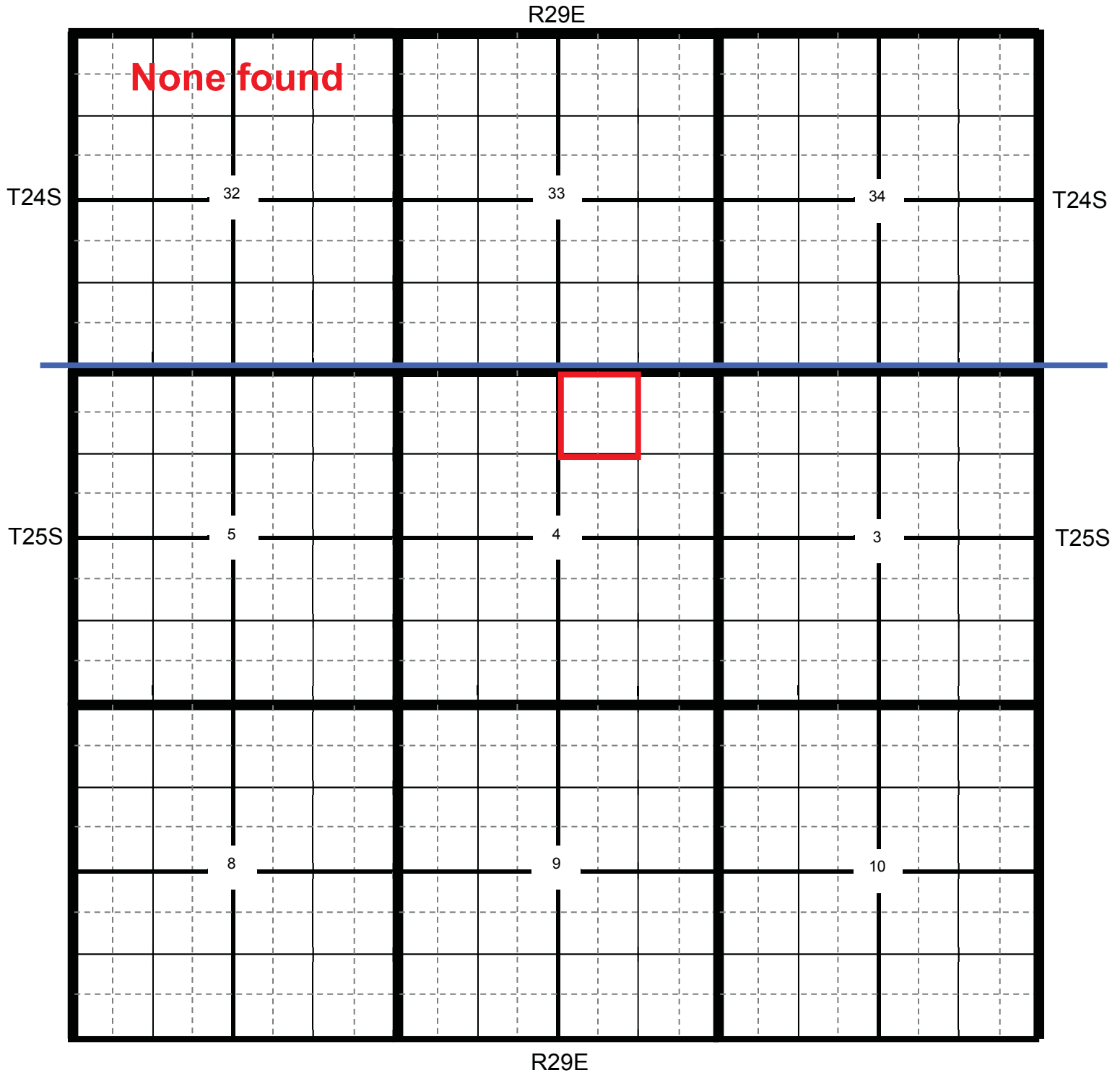


Groundwater Plot

Chevron Rustler Bluff 33

County
EddyUnit Letter
BSection
4Township
25SRange
29E

Trend Map 75'



* Location

● OCD

● USGS

● SEO

● All Databases



Section Quarters

Chevron Site name

County
EddyUnit Letter
BSection
4Township
25SRange
29E

Trend Map 75'

1

2

NW/NW None found	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

4

* Location

● OCD

● USGS

● SEO

● All Databases

Laboratory Analytical Results Summary
Rustler Bluff 33

Analyte	Method	Sample Date	SP5 @ SURFACE mg/Kg	SP5 @ 1' mg/Kg	SP5 @ 2' mg/Kg	SP5 @ 3' mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a	n/a
Toluene	BTEX 8021B		n/a	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		n/a	<0.300	n/a	n/a
Chloride	SM4500C1-B		8800	1720	288	16
GRO	TPH 8015M		n/a	<10.0	n/a	n/a
DRO	TPH 8015M		n/a	186	n/a	n/a

Analyte	Method	Sample Date	SP6 @ SURFACE mg/Kg	SP6 @ 1' mg/Kg	SP6 @ 2' mg/Kg	SP6 @ 3' mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a	n/a
Toluene	BTEX 8021B		n/a	0.06	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	0.055	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	0.5	n/a	n/a
Total BTEX	BTEX 8021B		n/a	0.615	n/a	n/a
Chloride	SM4500C1-B		9730	1100	496	32
GRO	TPH 8015M		n/a	54.8	n/a	n/a
DRO	TPH 8015M		n/a	835	n/a	n/a

Analyte	Method	Sample Date	WEST @ SURFACE mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500C1-B		144
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

Analyte	Method	Sample Date	SOUTH @ SURFACE mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500C1-B		160
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

Analyte	Method	Sample Date	SP1 @ SURFACE mg/Kg	SP1 @ 1' mg/Kg	SP1 @ 2' mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a
Toluene	BTEX 8021B		n/a	<0.050	n/a
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a
Total Xylenes	BTEX 8021B		n/a	<0.150	n/a
Total BTEX	BTEX 8021B		n/a	<0.300	n/a
Chloride	SM4500C1-B		22000	1040	208
GRO	TPH 8015M		n/a	<10.0	n/a
DRO	TPH 8015M		n/a	110	n/a

Analyte	Method	Sample Date	SP2 @ SURFACE mg/Kg	SP2 @ 1' mg/Kg	SP2 @ 2' mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a
Toluene	BTEX 8021B		n/a	<0.050	n/a
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a
Total Xylenes	BTEX 8021B		n/a	<0.150	n/a
Total BTEX	BTEX 8021B		n/a	<0.300	n/a
Chloride	SM4500C1-B		22000	1170	240
GRO	TPH 8015M		n/a	<10.0	n/a
DRO	TPH 8015M		n/a	123	n/a

Analyte	Method	Sample Date	SP3 @ SURFACE mg/Kg	SP3 @ 1' mg/Kg	SP3 @ 2' mg/Kg	SP3 @ 3' mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a	n/a
Toluene	BTEX 8021B		n/a	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		n/a	<0.300	n/a	n/a
Chloride	SM4500C1-B		11200	880	272	208
GRO	TPH 8015M		n/a	<10.0	n/a	n/a
DRO	TPH 8015M		n/a	74.4	n/a	n/a

Analyte	Method	Sample Date	SP4 @ SURFACE mg/Kg	SP4 @ 1' mg/Kg	SP4 @ 2' mg/Kg	SP4 @ 3' mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a	n/a
Toluene	BTEX 8021B		n/a	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	0.152	n/a	n/a
Total BTEX	BTEX 8021B		n/a	<0.300	n/a	n/a
Chloride	SM4500C1-B		6960	976	320	160
GRO	TPH 8015M		n/a	<10.0	n/a	n/a
DRO	TPH 8015M		n/a	131	n/a	n/a

Analyte	Method	Sample Date	NORTH @ SURFACE mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500C1-B		160
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

Analyte	Method	Sample Date	EAST @ SURFACE mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500C1-B		144
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 03, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: RUSTLER BLUFF 33

Enclosed are the results of analyses for samples received by the laboratory on 02/24/17 15:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received: 02/24/2017
 Reported: 03/03/2017
 Project Name: RUSTLER BLUFF 33
 Project Number: NONE GIVEN
 Project Location: MALAGA

Sampling Date: 02/23/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP1 @ SURFACE (H700472-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22000	16.0	02/27/2017	ND	432	108	400	0.00	

Sample ID: SP1 @ 1' (H700472-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2017	ND	2.05	103	2.00	2.02	
Toluene*	<0.050	0.050	02/27/2017	ND	1.92	96.2	2.00	2.79	
Ethylbenzene*	<0.050	0.050	02/27/2017	ND	1.90	94.9	2.00	1.87	
Total Xylenes*	<0.150	0.150	02/27/2017	ND	5.40	90.0	6.00	1.94	
Total BTEX	<0.300	0.300	02/27/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	02/27/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/28/2017	ND	173	86.4	200	2.38	
DRO >C10-C28	110	10.0	02/28/2017	ND	166	83.2	200	8.09	QM-07

Surrogate: 1-Chlorooctane 87.3 % 25.1-158

Surrogate: 1-Chlorooctadecane 95.6 % 26.8-170

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	02/24/2017	Sampling Date:	02/23/2017
Reported:	03/03/2017	Sampling Type:	Soil
Project Name:	RUSTLER BLUFF 33	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALAGA		

Sample ID: SP1 @ 2' (H700472-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	02/27/2017	ND	432	108	400	0.00		

Sample ID: SP2 @ SURFACE (H700472-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22000	16.0	02/27/2017	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received: 02/24/2017
 Reported: 03/03/2017
 Project Name: RUSTLER BLUFF 33
 Project Number: NONE GIVEN
 Project Location: MALAGA

Sampling Date: 02/23/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP2 @ 1' (H700472-05)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/27/2017	ND	2.05	103	2.00	2.02		
Toluene*	<0.050	0.050	02/27/2017	ND	1.92	96.2	2.00	2.79		
Ethylbenzene*	<0.050	0.050	02/27/2017	ND	1.90	94.9	2.00	1.87		
Total Xylenes*	<0.150	0.150	02/27/2017	ND	5.40	90.0	6.00	1.94		
Total BTEx	<0.300	0.300	02/27/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	02/27/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/28/2017	ND	173	86.4	200	2.38	
DRO >C10-C28	123	10.0	02/28/2017	ND	166	83.2	200	8.09	

Surrogate: 1-Chlorooctane 84.9 % 25.1-158

Surrogate: 1-Chlorooctadecane 94.1 % 26.8-170

Sample ID: SP2 @ 2' (H700472-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/27/2017	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received: 02/24/2017
 Reported: 03/03/2017
 Project Name: RUSTLER BLUFF 33
 Project Number: NONE GIVEN
 Project Location: MALAGA

Sampling Date: 02/23/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP3 @ SURFACE (H700472-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11200	16.0	02/27/2017	ND	432	108	400	0.00	

Sample ID: SP3 @ 1' (H700472-08)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2017	ND	2.05	103	2.00	2.02	
Toluene*	<0.050	0.050	02/27/2017	ND	1.92	96.2	2.00	2.79	
Ethylbenzene*	<0.050	0.050	02/27/2017	ND	1.90	94.9	2.00	1.87	
Total Xylenes*	<0.150	0.150	02/27/2017	ND	5.40	90.0	6.00	1.94	
Total BTEX	<0.300	0.300	02/27/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	02/27/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/28/2017	ND	173	86.4	200	2.38	
DRO >C10-C28	74.4	10.0	02/28/2017	ND	166	83.2	200	8.09	

Surrogate: 1-Chlorooctane 84.9 % 25.1-158

Surrogate: 1-Chlorooctadecane 84.3 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	02/24/2017	Sampling Date:	02/23/2017
Reported:	03/03/2017	Sampling Type:	Soil
Project Name:	RUSTLER BLUFF 33	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALAGA		

Sample ID: SP3 @ 2' (H700472-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	02/27/2017	ND	432	108	400	0.00		

Sample ID: SP3 @ 3' (H700472-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	02/27/2017	ND	432	108	400	0.00	

Sample ID: SP4 @ SURFACE (H700472-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6960	16.0	02/27/2017	ND	432	108	400	0.00	

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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
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 Fax To: (575) 397-0397

Received: 02/24/2017
 Reported: 03/03/2017
 Project Name: RUSTLER BLUFF 33
 Project Number: NONE GIVEN
 Project Location: MALAGA

Sampling Date: 02/23/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP4 @ 1' (H700472-12)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2017	ND	2.05	103	2.00	2.02	
Toluene*	<0.050	0.050	02/27/2017	ND	1.92	96.2	2.00	2.79	
Ethylbenzene*	<0.050	0.050	02/27/2017	ND	1.90	94.9	2.00	1.87	
Total Xylenes*	0.152	0.150	02/27/2017	ND	5.40	90.0	6.00	1.94	
Total BTEx	<0.300	0.300	02/27/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	976	16.0	02/27/2017	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/28/2017	ND	173	86.4	200	2.38	
DRO >C10-C28	131	10.0	02/28/2017	ND	166	83.2	200	8.09	

Surrogate: 1-Chlorooctane 87.2 % 25.1-158

Surrogate: 1-Chlorooctadecane 90.6 % 26.8-170

Sample ID: SP4 @ 2' (H700472-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/27/2017	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	02/24/2017	Sampling Date:	02/23/2017
Reported:	03/03/2017	Sampling Type:	Soil
Project Name:	RUSTLER BLUFF 33	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALAGA		

Sample ID: SP4 @ 3' (H700472-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	02/27/2017	ND	432	108	400	0.00		

Sample ID: SP5 @ SURFACE (H700472-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8800	16.0	02/27/2017	ND	432	108	400	0.00	QM-07	

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Analytical Results For:

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Received: 02/24/2017
 Reported: 03/03/2017
 Project Name: RUSTLER BLUFF 33
 Project Number: NONE GIVEN
 Project Location: MALAGA

Sampling Date: 02/23/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP5 @ 1' (H700472-16)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/27/2017	ND	2.05	103	2.00	2.02		
Toluene*	<0.050	0.050	02/27/2017	ND	1.92	96.2	2.00	2.79		
Ethylbenzene*	<0.050	0.050	02/27/2017	ND	1.90	94.9	2.00	1.87		
Total Xylenes*	<0.150	0.150	02/27/2017	ND	5.40	90.0	6.00	1.94		
Total BTEx	<0.300	0.300	02/27/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1720	16.0	02/27/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/28/2017	ND	173	86.4	200	2.38	
DRO >C10-C28	186	10.0	02/28/2017	ND	166	83.2	200	8.09	

Surrogate: 1-Chlorooctane 88.4 % 25.1-158

Surrogate: 1-Chlorooctadecane 90.0 % 26.8-170

Sample ID: SP5 @ 2' (H700472-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/27/2017	ND	432	108	400	0.00	

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 Fax To: (575) 397-0397

Received:	02/24/2017	Sampling Date:	02/23/2017
Reported:	03/03/2017	Sampling Type:	Soil
Project Name:	RUSTLER BLUFF 33	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALAGA		

Sample ID: SP5 @ 3' (H700472-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/27/2017	ND	432	108	400	0.00		

Sample ID: SP6 @ SURFACE (H700472-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9730	16.0	02/27/2017	ND	432	108	400	0.00	

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Received: 02/24/2017
 Reported: 03/03/2017
 Project Name: RUSTLER BLUFF 33
 Project Number: NONE GIVEN
 Project Location: MALAGA

Sampling Date: 02/23/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP6 @ 1' (H700472-20)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2017	ND	2.05	103	2.00	2.02	
Toluene*	0.060	0.050	02/27/2017	ND	1.92	96.2	2.00	2.79	
Ethylbenzene*	0.055	0.050	02/27/2017	ND	1.90	94.9	2.00	1.87	
Total Xylenes*	0.500	0.150	02/27/2017	ND	5.40	90.0	6.00	1.94	
Total BTEX	0.615	0.300	02/27/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1100	16.0	02/27/2017	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	54.8	10.0	02/28/2017	ND	173	86.4	200	2.38	
DRO >C10-C28	835	10.0	02/28/2017	ND	166	83.2	200	8.09	

Surrogate: 1-Chlorooctane 102 % 25.1-158

Surrogate: 1-Chlorooctadecane 99.5 % 26.8-170

Sample ID: SP6 @ 2' (H700472-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	02/27/2017	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received: 02/24/2017
 Reported: 03/03/2017
 Project Name: RUSTLER BLUFF 33
 Project Number: NONE GIVEN
 Project Location: MALAGA

Sampling Date: 02/23/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP6 @ 3' (H700472-22)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/27/2017	ND	432	108	400	0.00	

Sample ID: NORTH @ SURFACE (H700472-23)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2017	ND	2.05	103	2.00	2.02	
Toluene*	<0.050	0.050	02/27/2017	ND	1.92	96.2	2.00	2.79	
Ethylbenzene*	<0.050	0.050	02/27/2017	ND	1.90	94.9	2.00	1.87	
Total Xylenes*	<0.150	0.150	02/27/2017	ND	5.40	90.0	6.00	1.94	
Total BTEx	<0.300	0.300	02/27/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/27/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/28/2017	ND	173	86.4	200	2.38	
DRO >C10-C28	<10.0	10.0	02/28/2017	ND	166	83.2	200	8.09	

Surrogate: 1-Chlorooctane 86.4 % 25.1-158

Surrogate: 1-Chlorooctadecane 80.2 % 26.8-170

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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received: 02/24/2017
 Reported: 03/03/2017
 Project Name: RUSTLER BLUFF 33
 Project Number: NONE GIVEN
 Project Location: MALAGA

Sampling Date: 02/23/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: EAST @ SURFACE (H700472-24)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/27/2017	ND	2.05	103	2.00	2.02		
Toluene*	<0.050	0.050	02/27/2017	ND	1.92	96.2	2.00	2.79		
Ethylbenzene*	<0.050	0.050	02/27/2017	ND	1.90	94.9	2.00	1.87		
Total Xylenes*	<0.150	0.150	02/27/2017	ND	5.40	90.0	6.00	1.94		
Total BTEx	<0.300	0.300	02/27/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/27/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/28/2017	ND	173	86.4	200	2.38	
DRO >C10-C28	<10.0	10.0	02/28/2017	ND	166	83.2	200	8.09	

Surrogate: 1-Chlorooctane 75.6 % 25.1-158

Surrogate: 1-Chlorooctadecane 73.5 % 26.8-170

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Analytical Results For:

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 Cliff Brunson
 P.O. Box 805
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 Fax To: (575) 397-0397

Received: 02/24/2017
 Reported: 03/03/2017
 Project Name: RUSTLER BLUFF 33
 Project Number: NONE GIVEN
 Project Location: MALAGA

Sampling Date: 02/23/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: WEST @ SURFACE (H700472-25)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/27/2017	ND	2.05	103	2.00	2.02		
Toluene*	<0.050	0.050	02/27/2017	ND	1.92	96.2	2.00	2.79		
Ethylbenzene*	<0.050	0.050	02/27/2017	ND	1.90	94.9	2.00	1.87		
Total Xylenes*	<0.150	0.150	02/27/2017	ND	5.40	90.0	6.00	1.94		
Total BTEx	<0.300	0.300	02/27/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/27/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/28/2017	ND	173	86.4	200	2.38	
DRO >C10-C28	<10.0	10.0	02/28/2017	ND	166	83.2	200	8.09	

Surrogate: 1-Chlorooctane 80.5 % 25.1-158

Surrogate: 1-Chlorooctadecane 72.7 % 26.8-170

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Received: 02/24/2017
 Reported: 03/03/2017
 Project Name: RUSTLER BLUFF 33
 Project Number: NONE GIVEN
 Project Location: MALAGA

Sampling Date: 02/23/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SOUTH @ SURFACE (H700472-26)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2017	ND	2.05	103	2.00	2.02	
Toluene*	<0.050	0.050	02/27/2017	ND	1.92	96.2	2.00	2.79	
Ethylbenzene*	<0.050	0.050	02/27/2017	ND	1.90	94.9	2.00	1.87	
Total Xylenes*	<0.150	0.150	02/27/2017	ND	5.40	90.0	6.00	1.94	
Total BTEx	<0.300	0.300	02/27/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/27/2017	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/28/2017	ND	173	86.4	200	2.38	
DRO >C10-C28	<10.0	10.0	02/28/2017	ND	166	83.2	200	8.09	

Surrogate: 1-Chlorooctane 78.3 % 25.1-158

Surrogate: 1-Chlorooctadecane 74.0 % 26.8-170

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

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A handwritten signature in cursive script, appearing to read "Celey D. Keene", written in black ink.

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

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(505) 393-2326 FAX (505) 393-2476

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BILL TO

ANALYSIS REQUEST

(505) 393-2326 FAX (505) 393-2416							BILL TO		ANALYSIS REQUEST							
Company Name: BBC International, Inc.							P.O. #:									
Project Manager: Cliff Brunson							Company:									
Address: P.O. Box 805							Attn:									
City: Hobbs							State: NM	Zip: 88241								
Phone #: 575-397-6388							Fax #: 575-397-0397	Address:								
Project #:							City:									
Project Name: Rustler Bluff 35							State:	Zip:								
Project Location: M2292							Phone #:									
Sample Name: 10							Fax #:									
FOR LAB USE ONLY							MATRIX	PRESERV	SAMPLING							
							(G)RAB OR (C)OMP.									
							# CONTAINERS									
							GROUNDWATER									
							WASTEWATER									
							SOIL									
							OIL									
							SLUDGE									
							OTHER :									
							ACID/BASE:									
							ICE / COOL									
							OTHER :									
							DATE	TIME								
Lab I.D. Sample I.D. <i>H700412</i> <i>SP1005UR</i> <i>2</i> <i>GC11</i> <i>SP205UR</i> <i>2</i> <i>GC11</i> <i>SP305UR</i> <i>2</i> <i>GC11</i> <i>3</i> <i>GC11</i>							933	X								
							945	X	X							
							10/6	X								
							10/30	X								
							10/39	X		X						
							10/52	X								
							11/11	X								
							11/20	X								
							11/30	X								
							11/40	X								
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							Phone Result: ☐ Yes ☒ No Add'l Phone #: _____ Fax Result: ☐ Yes ☒ No Add'l Fax #: _____ REMARKS: _____		CHECKED BY: _____ Sample Condition Cool Intact ☒ Yes ☒ No ☒ Yes ☒ No Initials: TD #15							

+ Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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• CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name: Easton Bluff 33

Project Location: M2092

Sampler Name: L2

P.O. #:

Company:

Attn:

Address:

City:

State: NM **Zip:** 88241

Phone #: 575-397-0397

Project Owner: L2

State: NM **Zip:**

Phone #:

Fax #:

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	SAMPLING
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
A900470	SP602	C	1			X				7.23	215	X
21	SP603	C	1			X					230	X
22	1E054	C	1			X					233	X
23	1E054	C	1			X					239	X
24	1E054	C	1			X					245	X
25	1E054	C	1			X					300	X
26	1E054	C	1			X						X

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Relinquished By: [Signature] **Date:** 2-24-17 **Received By:** [Signature] **Date:** 2-24-17

Refiniquished By: [Signature] **Date:** 2-24-17 **Received By:** [Signature] **Date:** 2-24-17

Delivered By: (Circle One) ☒ Cool ☐ Intact **Sample Condition** **CHECKED BY:** [Signature] **(Initials)** **70. #75**

Sampler - UPS - Bus - Other: ☒ UPS ☐ Bus ☐ Other

REMARKS:

C1-
TPH
BTEX

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

Form C-141
Revised August 8, 2011
Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: CHEVRON USA, INC.	Contact: Josepha DeLeon
Address: 6301 Deauville Blvd., Midland, TX 79706	Telephone No.: ofc.575-263-0424; mobile 432-425-1528
Facility Name Rustler Bluff 33	Facility Type: Oil
Surface Owner: Federal	Mineral Owner: Private
API No. 30-015-42670	

LOCATION OF RELEASE

Unit Letter B	Section 33	Township 24S	Range 29E	Feet from the 129	North/South Line North	Feet from the 2035	East/West Line East	County Eddy
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Latitude: 32.1659313086802 Longitude: 103.987380063379

NATURE OF RELEASE

Type of Release: Spill	Volume of Release: 37.87 barrels water 12.62 barrels oil	Volume Recovered: REVISED 36 barrels water 12. barrels oil
Source of Release: Stuffing Box	Date and Hour of Occurrence: 02/18/2017: 08:00 AM	Date and Hour of Discovery 02/18/2017; 08:00 AM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? NMOCD - Randy Bayliss voicemail and Heather Patterson email follow up BLM - Shelly Tucker	
By Whom? Josepha DeLeon	Date and Hour: 02/18/2017; 12:00 p.m.	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* Spill from stuffing box into secondary containment. All fluid was recovered.		
Describe Area Affected and Cleanup Action Taken.* Vacuum truck extracted all fluid.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.		

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Josepha DeLeon	Approved by Environmental Specialist:	
Title: HES Specialist – Compliance Support - Environmental	Approval Date:	Expiration Date:
E-mail Address: jdx@chevron.com	Conditions of Approval:	Attached ☐
Date: 03/01/2017 Phone: 575-263-0424		

* Attach Additional Sheets If Necessary

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

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

CONDITIONS

Action 274665

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 274665
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Deferral approved. The incident will remain open. Final remediation and reclamation shall take place in accordance with 19.15.29.12 and 19.15.29.13 NMAC once the site is no longer being used for oil and gas operations.	10/23/2023