

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Centennial Resource Production, Inc	OGRID: 372165
Contact Name: Montgomery Floyd	Contact Telephone: 432-315-0123
Contact email: Montgomery.floyd@cdevinc.com	Incident # nAPP2100455356
Contact mailing address: 500 W. Illinois Ave, Suite 500, Midland Texas 79705	

Location of Release Source

Latitude 32.6830216 _____ Longitude -103.724171 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Crazy Wolf 1 2 B2MM Fed Com 1H	Site Type: Production Facility
Date Release Discovered: 1-3-21	API# (if applicable)

Unit Letter	Section	Township	Range	County
M	01	19S	32E	Lea

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

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 75	Volume Recovered (bbls) 60
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:

Oil dump valve was stuck due to material blocking outlet. This resulted in flooding the gun barrel and releasing material. Site was secured and release was stopped. Site will be remediated to OCD standards.

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Larger than 25bbbls released.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, email was sent to Jim Griswold and OCD dist 1 spills email.	

Initial Response

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

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

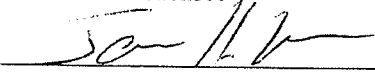
If all the actions described above have not been undertaken, explain why:

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

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

Printed Name: Jamon Hohensee

Title: Sr. Environmental Analyst

Signature: 

Date: 1-26-21

email: jamon.hohensee@cdevinc.com

Telephone: 432-241-4283

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> 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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> 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.

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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Printed Name: _____ Title: _____
Signature: _____ Date: _____
email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

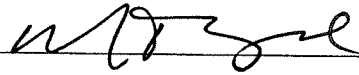
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

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

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

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

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

Printed Name: MONTGOMERY FLOYD Title: SR ENV. ANALYST
 Signature:  Date: 10-7-21
 email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

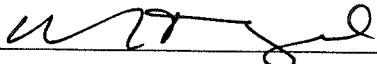
Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities


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

Printed Name: MONTGOMERY FLOYD Title: SR ENV ANALYST
 Signature:  Date: 10-7-21
 email: _____ Telephone: _____

OCD Only

Received by: Chad Hensley Date: 11/15/2021

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

Closure Approved by:  Date: 11/15/2021
 Printed Name: Chad Hensley Title: Environmental Specialist Advanced



CLOSURE REQUEST AND REMEDIATION SUMMARY REPORT

**Centennial Resource Development, Inc.
Crazy Wolf 1 2 B2MM Fed COM 1H
Lea County, New Mexico
Unit Letter "M", Section 01, Township 19 South, Range 32 East
Latitude 32.6830216° North, Longitude 103.724171° West
NMOCD Reference # nAPP2010045356 and # nAPP2106743129**

Prepared For:

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

Prepared By:

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

September 2021

A handwritten signature in blue ink that reads "Shannon English".

Shannon English, P.G.
Project Manager

A handwritten signature in blue ink that reads "Matthew Green".

Matthew Green, P.G.
Senior Project Manager

TABLE OF CONTENTS

INTRODUCTION	1
NMOCD SITE CLASSIFICATION.....	1
SUMMARY OF SOIL REMEDIATION ACTIVITIES	2
BACKFILL ACTIVITIES	4
RESEEDING ACTIVITIES	4
SITE CLOSURE REQUEST	5
LIMITATIONS.....	5
DISTRIBUTION.....	6

FIGURES

- Figure 1 – Site Location Map
- Figure 2 – Site Details & Confirmation Soil Sample Map
- Figure 3 – Site Details Map – Section A
- Figure 4 – Site Details Map – Section B
- Figure 5 – Site Details Map – Section C

TABLES

- Table 1 – Pasture Sample Results, Concentrations of Benzene, BTEX, TPH, and Chlorides in Soil
- Table 2 – Pad Sample Results, Concentrations of Benzene, BTEX, TPH, and Chlorides in Soil

APPENDICES

- Appendix A – Photographic Documentation
- Appendix B – Analytical Reports
- Appendix C – Soil Boring Log
- Appendix D – Release Notification and Corrective Action (Form C-141) (# nAPP2010045356)
Release Notification and Corrective Action (Form C-141) (# nAPP2106743129)

INTRODUCTION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Centennial Resource Development, Inc. (Centennial), has prepared this Closure Request and Remediation Summary Report for the Release Site known as Crazy Wolf 1 2 B2MM Fed COM 1H. The legal description of the Release Site is Unit Letter "M", Section 01, Township 19 South, Range 32 East, in Lea County, New Mexico. The subject property is administered by the New Mexico U.S. Department of the Interior Bureau of Land Management (BLM). The Release Site GPS coordinates are 32.6830216° North and 103.724171° West. Please reference Figure 1 for the Site Location Map, Figure 2 for the Site Details & Confirmation Soil Sample Map, Figure 3 for Site Detail Map – Section A, Figure 4 for Site Detail Map – Section B, and Figure 5 for Site Detail Map – Section C.

On January 3, 2021, a reportable release was discovered by Centennial on the Crazy Wolf 1 2 B2MM Fed COM 1H Site (Release Site). The oil dump valve was stuck in an open position due to debris blocking the outlet, which flooded the gun barrel, resulting in the release. Approximately seventy-five (75) barrels of crude oil was released with sixty (60) barrels recovered, resulting in a net loss of approximately fifteen (15) barrels of crude oil. January 26, 2021, Centennial filed a *Release Notification and Corrective Action Form* (Form C-141) with the New Mexico Oil Conservation Division (NMOCD) and the Department of the Interior Bureau of Land Management (BLM) documenting the release. The Form C-141 is provided as Appendix D.

On February 19, 2021, a second reportable release was discovered by Centennial at the Release Site. Ice blockage in the separator oil dump line resulted in the release. Approximately one hundred and five (105) barrels of crude oil was released with seventy-five (75) barrels recovered, resulting in a net loss of approximately thirty (30) barrels of crude oil. The release affected both the facility pad and the surrounding pasture area. March 8, 2021, Centennial filed a *Release Notification and Corrective Action Form* (Form C-141) with the New Mexico Oil Conservation Division (NMOCD) and the Department of the Interior Bureau of Land Management (BLM) documenting the release. The Form C-141 is provided as Appendix D.

Photographic documentation for the two releases on the Release Site is provided as Appendix A.

NMOCD SITE CLASSIFICATION

A search of the groundwater database maintained by United States Geological Survey (USGS) did not identify any registered water wells within a quarter (1/4) mile of the Crazy Wolf 1 2 B2MM Fed COM 1H Release Site. A further search of the USGS database identified the closest registered water well is USGS Well #: 324224103444101 located approximately two (2) miles northwest of the Release Site. The average depth to groundwater for USGS Well #: 324224103444101 should be encountered at approximately 117 feet below ground surface (bgs). On December 1, 2020, a soil boring was installed to 100 feet bgs and allowed to remain open for seventy-two (72) hours on the Release Site pad. No groundwater was observed in the boring (Please see Appendix C for reference). No water wells or surface water sites were observed within one thousand (1,000) feet of the Release Site.

Based on the NMOCD site classification system, the following remediation levels for the Release Site on the facility pad are as follows:

- Benzene – 10 mg/Kg (ppm)
- BTEX – 50 mg/Kg (ppm)
- TPH – 2,500 mg/Kg (ppm)
- Chloride – 10,000 mg/Kg (ppm)

The soil remediation levels for the Release Site in the surrounding pasture are as follows:

- Benzene – 10 mg/Kg (ppm)
- BTEX – 50 mg/Kg (ppm)
- TPH – 100 mg/Kg (ppm)
- Chloride – 600 mg/Kg (ppm)

SUMMARY OF SOIL REMEDIATION ACTIVITIES

March 3, 2021, Etech commenced excavation and remediation activities at the Release Site utilizing heavy equipment and manual means. Excavated soil was stockpiled on site and remediated utilizing blending and aeration techniques with surrounding clean soil. Excavated and stockpiled soil from the facility pad and pasture area were kept separate for remediation purposes. Excavation activities were conducted in a manner that protected the integrity of the production equipment. Etech hand spotted around all surface equipment and excavated by hand all impacted material within two (2) feet of any production equipment, and utilities in the release area were spotted utilizing a hydro-vac.

On March 18, 2021, concurrent with remediation activities, Etech, on behalf of Centennial, collected composite confirmation soil samples from the pasture and the pad areas.

From the pasture area, Etech collected twenty-three (23) composite surface soil samples (Sample Point 1 through Sample Point 23) and thirty (30) composite confirmation soil samples from the perimeter of the pasture area (North Perimeter 1 through North Perimeter 9, East Perimeter 1, Perimeter South 1 through Perimeter South 9, and West Perimeter 1 through West Perimeter 11). Eight (8) composite confirmation bottom hole samples were collected from the base of the excavation (Bottom Hole 3 @ 4', Bottom Hole 4 @ 4', Bottom Hole 5 @ 4', Bottom Hole 6 @ 3', Bottom Hole 7 @ 3', Bottom Hole 8 @ 3', Bottom Hole 9 @ 4', and Bottom Hole 10 @ 4'). Eighteen (18) confirmation composite soil samples from the sidewalls of the excavated area (North Sidewall 2, East Sidewall 3 through East Sidewall 10, West Sidewall 2 through West Sidewall 9, and South Sidewall 2) and seven composite confirmation soil samples from the pasture stockpiles (West Stockpile 1 through West Stockpile 7).

From the facility pad area, six (6) composite sample points were collected (Sample Point 24 through Sample Point 29) from areas which were remediated in place. Seven (7) composite confirmation soil samples were collected from the base of the excavated area (Bottom Hole 1 @ 12", Bottom Hole 2 @ 2', Bottom Hole 11 @ 4', Bottom Hole 12 @ 4', Bottom Hole 13 @ 3', Bottom Hole 14 @ 2', and Bottom Hole 15 @ 4'). Sixteen (16) composite confirmation soil samples were collected from the sidewalls of the excavated area (North Sidewall 1, North Sidewall

3 through North Sidewall 6, East Sidewall 1, East Sidewall 2, East Sidewall 11, East Sidewall 12, West Sidewall 1, West Sidewall 10, South Sidewall 1, and South Sidewall 3 through South Sidewall 6) and three (3) composite confirmation soil samples were collected from the facility pad stockpiles (East Stockpile 1 through East Stockpile 3). (Please reference Table 1, Table 2, Figure 2, Figure 3, Figure 4, and Figure 5.)

Soil samples were submitted to Permian Basin Environmental Lab, LP (PBELAB) in Midland, Texas and analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX) using EPA Method SW 846-8021B, Total Petroleum Hydrocarbons (TPH) using EPA Method SW 846-8015M, and chloride using EPA Method E 300.0.

A review of laboratory analytical results indicated all collected confirmation soil samples collected from the pasture area were below applicable NMOCD regulatory guidelines and/or laboratory method detection limits with the following exceptions: Bottom Hole 3 @ 4' exhibited chloride concentrations above NMOCD regulatory guidelines. Sample Point 1, Sample Point 8, Sample Point 13, Sample Point 14, Sample Point 16 through Sample Point 23, North Perimeter 3, North Perimeter 4, North Perimeter 6 through North Perimeter 9, East Perimeter 1, Perimeter South 7 through Perimeter South 9, Bottom Hole 5 @ 4', Bottom Hole 6 @ 3', Bottom Hole 7 @ 3', Bottom Hole 8 @ 3', Bottom Hole 9 @ 4', Bottom Hole 10 @ 4', North Side Wall 2, East Sidewall 5, East Sidewall 8, West Sidewall 4 through West Sidewall 9, and West Stockpile 1 through West Stockpile 7 exhibited TPH concentrations above NMOCD regulatory guidelines.

A review of laboratory analytical results indicated all collected confirmation soil samples collected from the facility pad area were below applicable NMOCD regulatory guidelines and/or laboratory method detection limits with the following exceptions, Sample Point 24, Sample Point 27, East Stockpile 1, East Stockpile 3 exhibited TPH concentrations above NMOCD regulatory guidelines. (Please reference Table 1, Table 2, Figure 2, Figure 3, Figure 4, and Figure 5.)

On April 27 and 30, 2021, and May 3, 2021, following further excavation activities, additional confirmation soil samples were collected.

From the pasture area, sixteen (16) confirmation soil samples were collected from the base of the excavated area (Sample Point 8A, Bottom Hole 13 @ 5', Bottom Hole 16 @ 5', Bottom Hole 17 @ 3', Bottom Hole 18 @ 5', Bottom Hole 19 @ 5', Bottom Hole 20 @ 5', Bottom Hole 21 @ 5', Bottom Hole 22 @ 5', Bottom Hole 23 @ 5', and Bottom Hole 5A @ 72" through Bottom Hole 10A @ 72"). Ten (10) composite confirmation perimeter soil samples were collected (North Perimeter 3A, North Perimeter 4A, North Perimeter 6A through North Perimeter 9A, East Perimeter 1A, and Perimeter South 7A through South Perimeter 9A). Nine (9) composite confirmation sidewall soil samples were collected from the sidewalls of the excavated area (North Side Wall 2A @ 36", East Side Wall 5A @ 48", East Side Wall 8A @ 5', and West Side Wall 5A @ 72" through West Side Wall 9A @ 72"). Ten (10) composite confirmation soil samples from the pasture stockpiles (West Stockpile 1A through West Stockpile 7A, and Stockpile 1 Pasture through Stockpile 3 Pasture).

From the facility pad, two (2) composite confirmation sample points were collected (Sample Point 24A @ 6", Sample Point 27A @ 6"), and two (2) composite confirmation soil samples from the stockpiles (Stockpile East 1A and Stockpile East 3A).

Soil samples were submitted to PBELAB and analyzed for TPH concentrations. A review of laboratory analytical results indicated all collected soil samples were below applicable NMOCD regulatory guidelines and/or laboratory method detection limits with the exception of pasture samples Bottom Hole 13 @ 5' and North Perimeter 6A, which exhibited TPH concentrations above NMOCD regulatory guidelines. (Please reference Table 1, Table 2, Figure 2, Figure 3, Figure 4, and Figure 5.)

On May 12, 2021, following further excavation and remediation activities, one (1) composite confirmation bottomhole soil sample was collected from the base of the excavated area (Bottom Hole 13B 6') and one (1) composite confirmation perimeter soil sample was collected (North Perimeter 6B) from the pasture area. Soil samples were submitted to PBELAB and analyzed for TPH concentrations. A review of laboratory analytical results indicated all collected soil samples were below applicable NMOCD regulatory guidelines and/or laboratory method detection limits. (Please reference Table 1, Table 2, Figure 2, Figure 3, Figure 4, and Figure 5.)

On August 18, 2021, one (1) composite confirmation surface sample was collected from the area associated with Sample Point 14 and one composite confirmation soil sample was collected from the base of the excavation in the area associated with Bottom Hole 3 @ 4'. Samples were submitted to PBELAB to be analyzed for chloride and/or TPH concentrations. A review of laboratory analytical results indicated all collected soil samples were below applicable NMOCD regulatory guidelines and/or laboratory method detection limits. (Please reference Table 1, Table 2, Figure 2, Figure 3, Figure 4, and Figure 5.)

Table 1 "Pasture Sample Results" summarizes the Concentrations of Benzene, BTEX, TPH, and Chlorides in Soil, and Table 2 "Pad Sample Results" the Concentrations of Benzene, BTEX, TPH, and Chlorides in Soil. Analytical reports are provided as Appendix B.

BACKFILL ACTIVITIES

May 3rd through 20th, 2021, the excavated area was backfilled with the remediated stockpiled material and the site was restored and contoured to fit the surrounding area.

RESEEDING ACTIVITIES

On August 18, 2021, the remediated pasture area was seeded, coinciding with the summer monsoon season in Southeastern New Mexico, to aid in revegetation. The USDA Soil Map describes the soil at the Release Site as the Kermit-Palomas fine sands and Pyote and Maljamar fine sands. Based on this description, the BLM Seed Mixture # 2 was used to revegetate the Release Site and will be planted in the amount specified in the pounds pure live seed (PLS) per acre. The seed mixture was applied utilizing a tractor and seed drill. Site inspections will be performed to assess the revegetation progress and evaluate the site for the presence of primary or secondary noxious weeds. If noxious weeds are identified, the BLM will be contacted to determine an effective method for eradication. If the site does not show revegetation after one growing season, the area will be reseeded as appropriate.

SITE CLOSURE REQUEST

Based on the analytical results of confirmation soil samples collected from the excavation, impacted soils were brought to surface and confirmation soil samples below applicable NMOCD regulatory limits. Etech, on behalf of Centennial, respectfully request that the NMOCD District 1 Office grant site closure to the Crazy Wolf 1 2 B2MM Fed COM 1H Release Site (NMOCD Incident ID#: nAPP2010045356 and # nAPP206743129).

LIMITATIONS

Etech has prepared this Closure Request and Remediation Summary Report to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. Etech has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report. This report has been prepared for the benefit of Centennial Resource Development, Inc. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Etech and/or Centennial Resource Development, Inc.

DISTRIBUTION

- Copy 1: New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
1624 N. French Drive
Hobbs, New Mexico 88210
- Copy 2: Crisha Morgan
U.S. Department of the Interior
Bureau of Land Management
620 E. Greene Street
Carlsbad, NM 88220
- Copy 3: Montgomery Floyd
Centennial Resource Development, Inc.
500 W. Illinois Avenue Suite 500
Midland, TX 79701
- Copy 4: Etech Environmental & Safety Solutions, Inc.
P.O. Box 62228
Midland, TX 79711

FIGURES

Figure 1 – Site Location Map

Figure 2 – Site Details & Confirmation Soil Sample Map

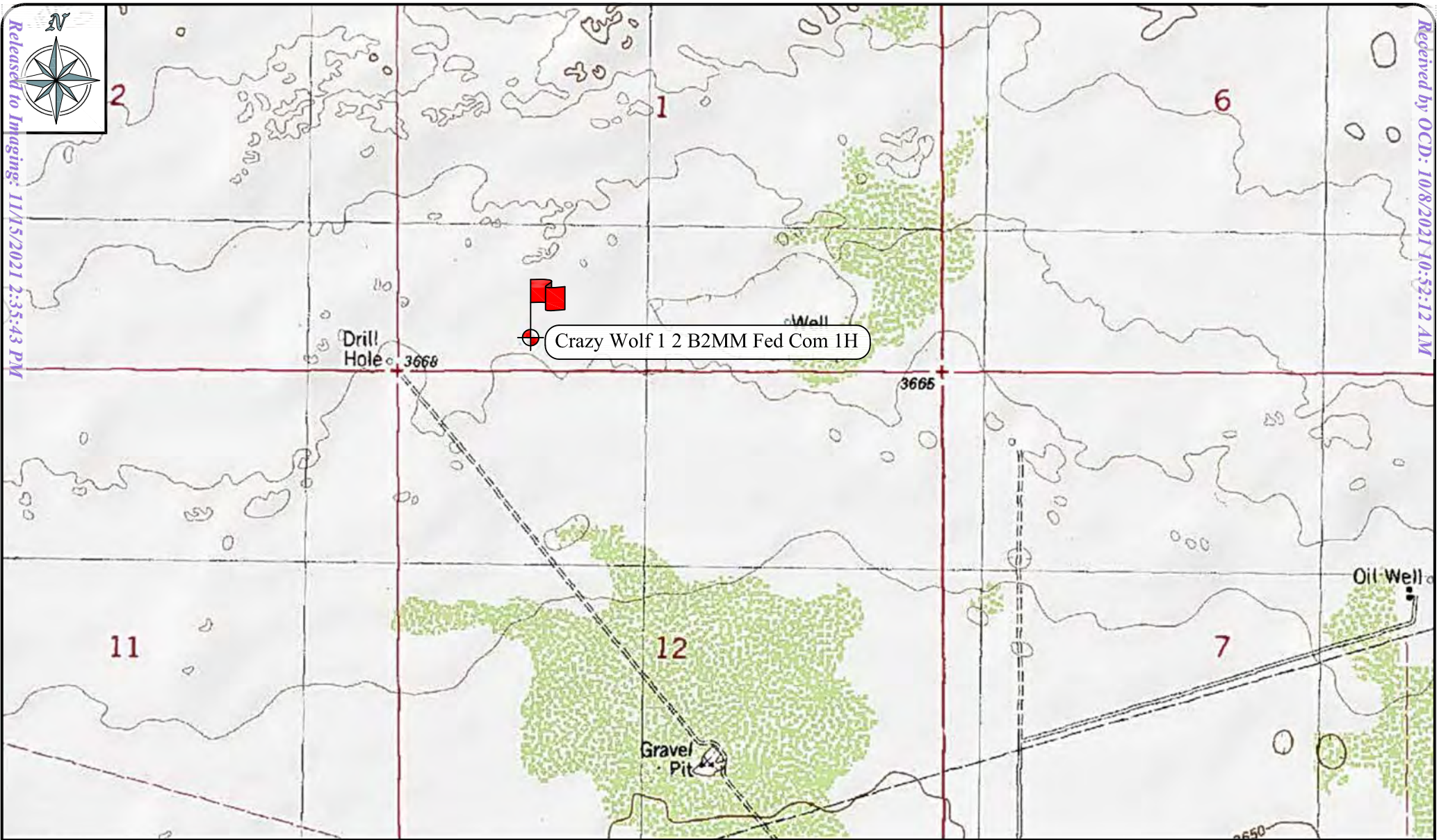
Figure 3 – Site Details Map – Section A

Figure 4 – Site Details Map – Section B

Figure 5 – Site Details Map – Section C

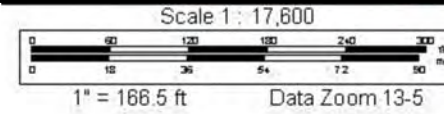
**Closure Request and Remediation Summary Report
Crazy Wolf 1 2 B2MM Fed COM 1H**





Released to Imaging: 11/15/2021 2:35:43 PM

Received by OCD: 10/8/2021 10:52:12 AM



Site - Crazy Wolf 1 2 B2MM Fed Com 1H
 Site Location Map
 Centennial Resource Development, Inc.
 Lea County, NM
 N 32.6830216°, W 103.724171°
 May 2021

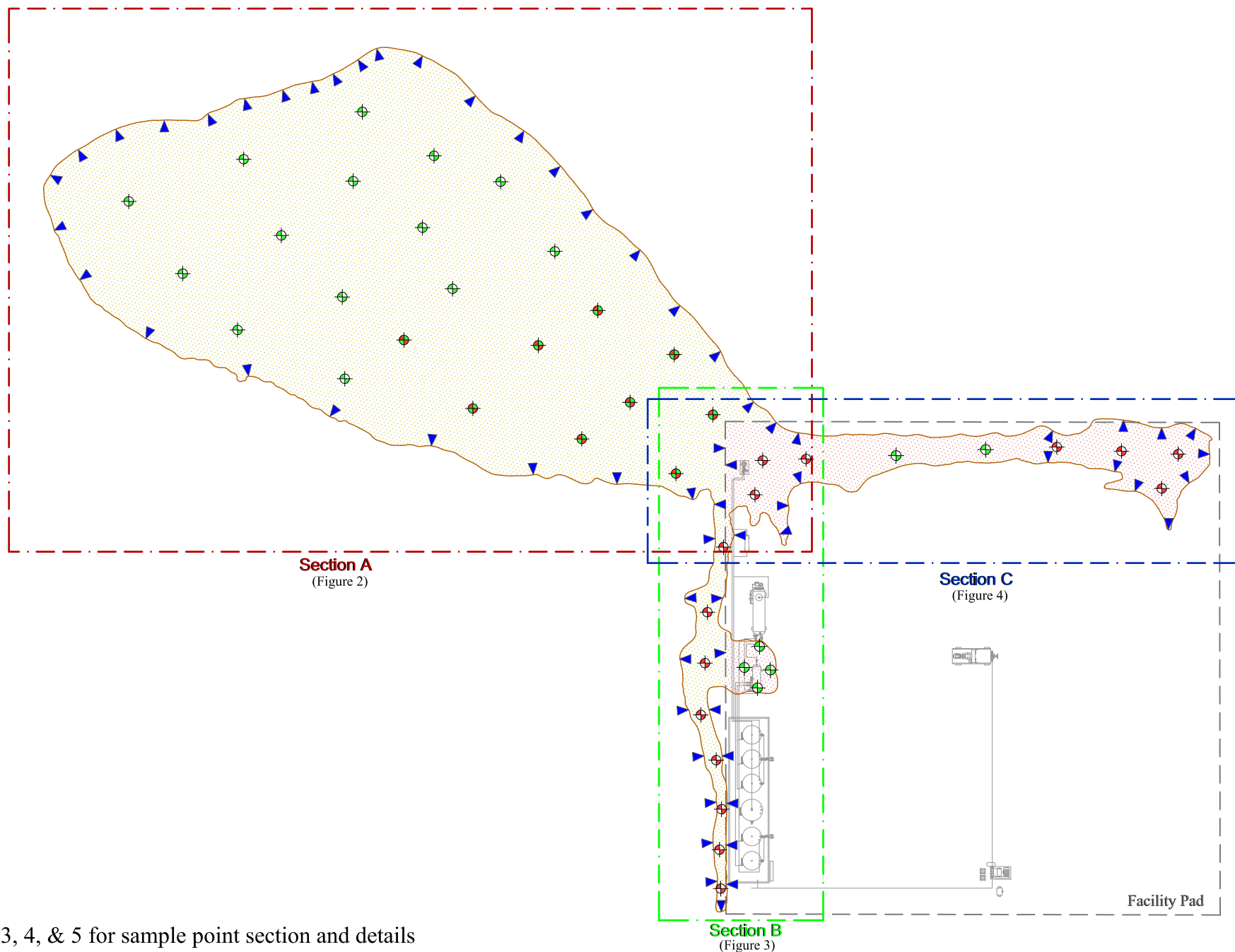
Legend

= Site Location



Job No.:
 1226-13636

Figure 1

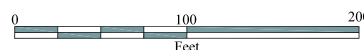


Note:
See Figure 3, 4, & 5 for sample point section and details

Site - Crazy Wolf 1 2 B2MM Fed COM 1H
Site Details & Confirmation Soil Sample Map
Centennial Resource Development, Inc.
Lea County, NM
N 32.6830216°, W 103.724171°
May 2021

Legend

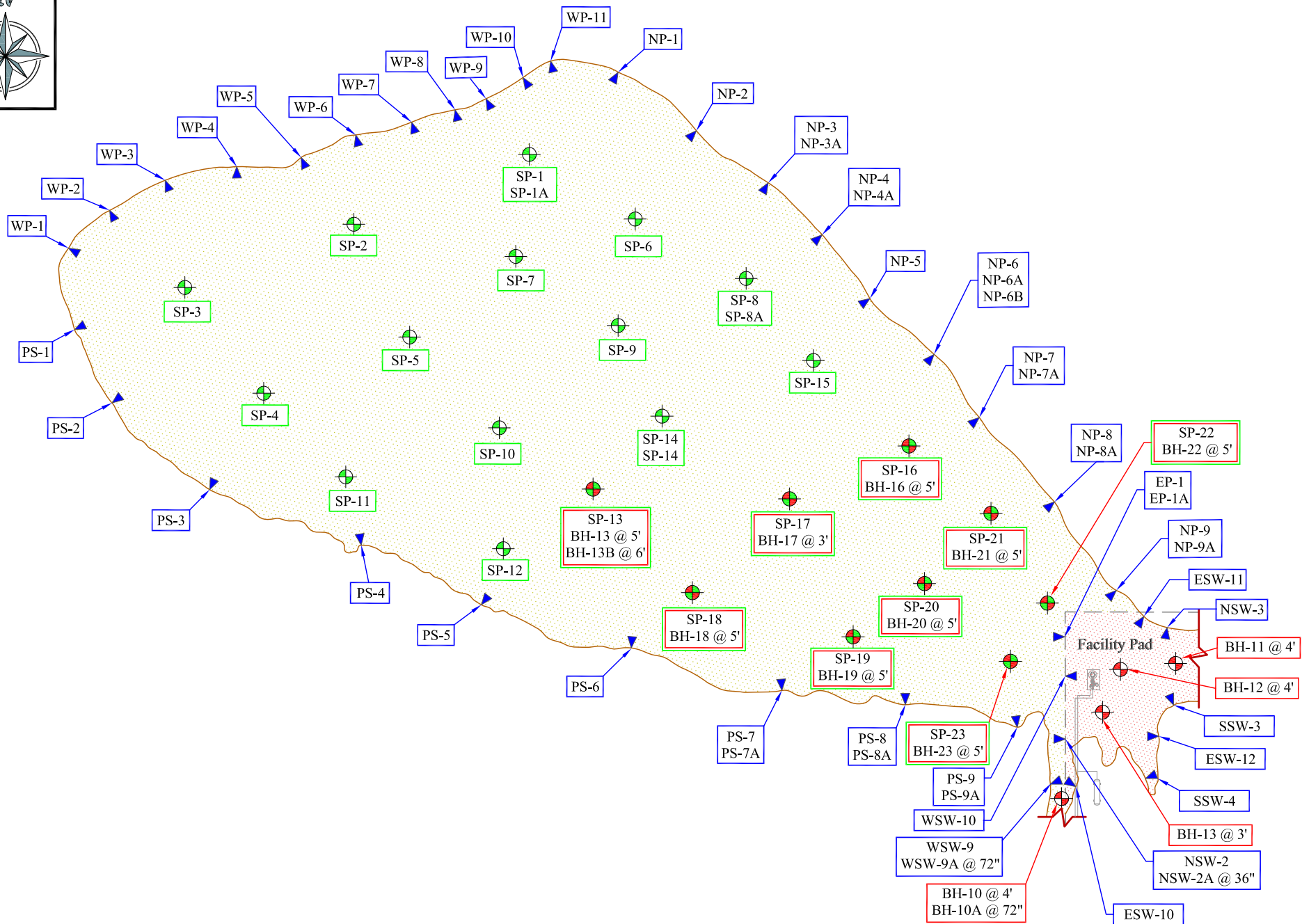
- ⊕ = Sample Points (SP)
- ⊗ = Bottom Hole (BH)
- ⊕⊗ = Sample Point & Bottom Hole
- ▲ = Perimeter / Side Wall
- = Excavation Perimeter
- = Excavation on Facility Pad
- = Excavation in Pasture



Job No.:

1226-13636

Figure 2



Site - Crazy Wolf 1 2 B2MM Fed COM 1H
 Site Details Map - Section A
 Centennial Resource Development, Inc.
 Lea County, NM
 N 32.6830216°, W 103.724171°
 May 2021

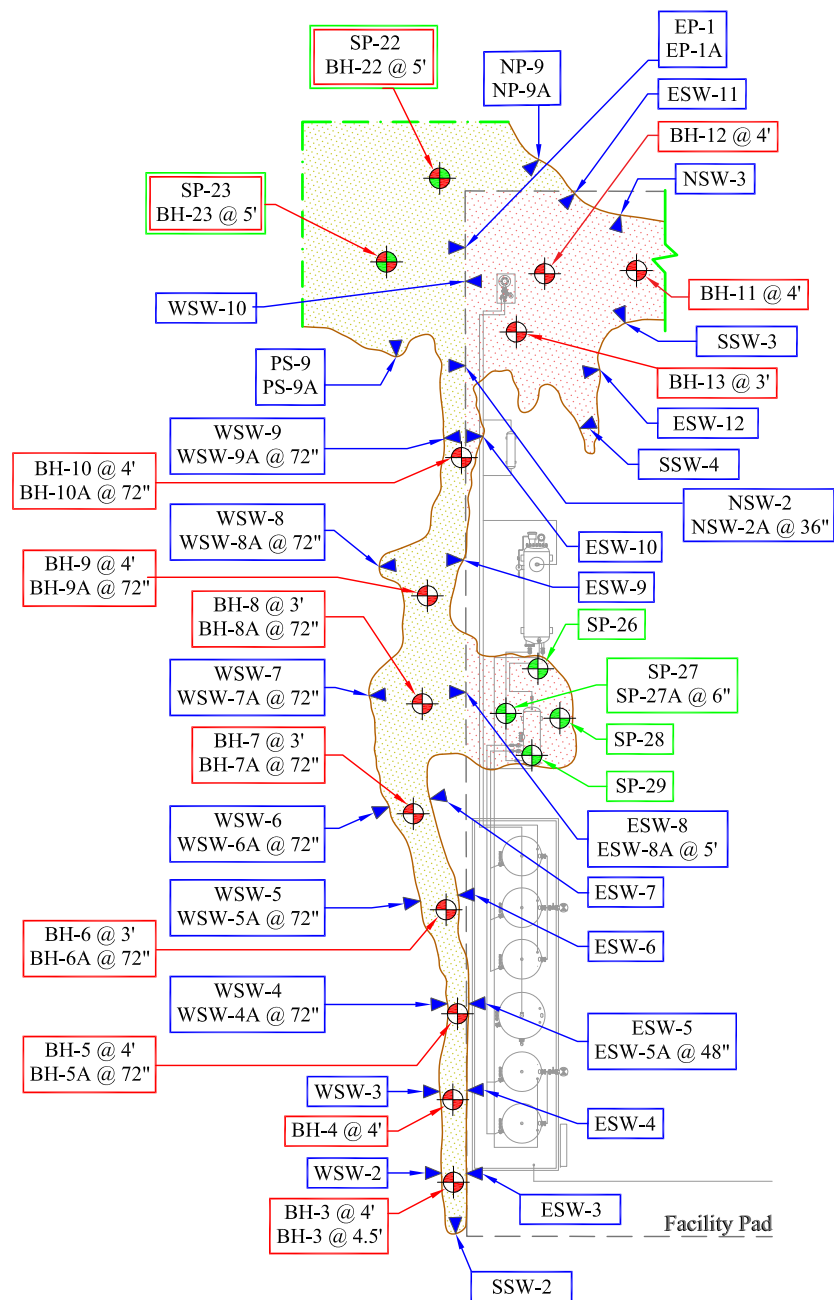
- Legend**
- ⊕ = Sample Points (SP)
 - ⊕ = Bottom Hole (BH)
 - ⊕ = Sample Point & Bottom Hole
 - ◄ = Perimeter / Side Wall
 - = Excavation Perimeter
 - ▨ = Excavation on Facility Pad
 - ▨ = Excavation in Pasture

All sample points are approximate
 Not to Scale



Job No.:
 1226-13636

Figure 3



Site - Crazy Wolf 1 2 B2MM Fed COM 1H
 Site Detail Map - Section B
 Centennial Resource Development, Inc.
 Lea County, NM
 N 32.6830216°, W 103.724171°
 May 2021

- = Sample Points (SP)
- = Bottom Hole (BH)
- = Sample Point & Bottom Hole
- ▲ = Perimeter / Side Wall

Legend

- = Excavation Perimeter
- = Excavation on Facility Pad
- = Excavation in Pasture

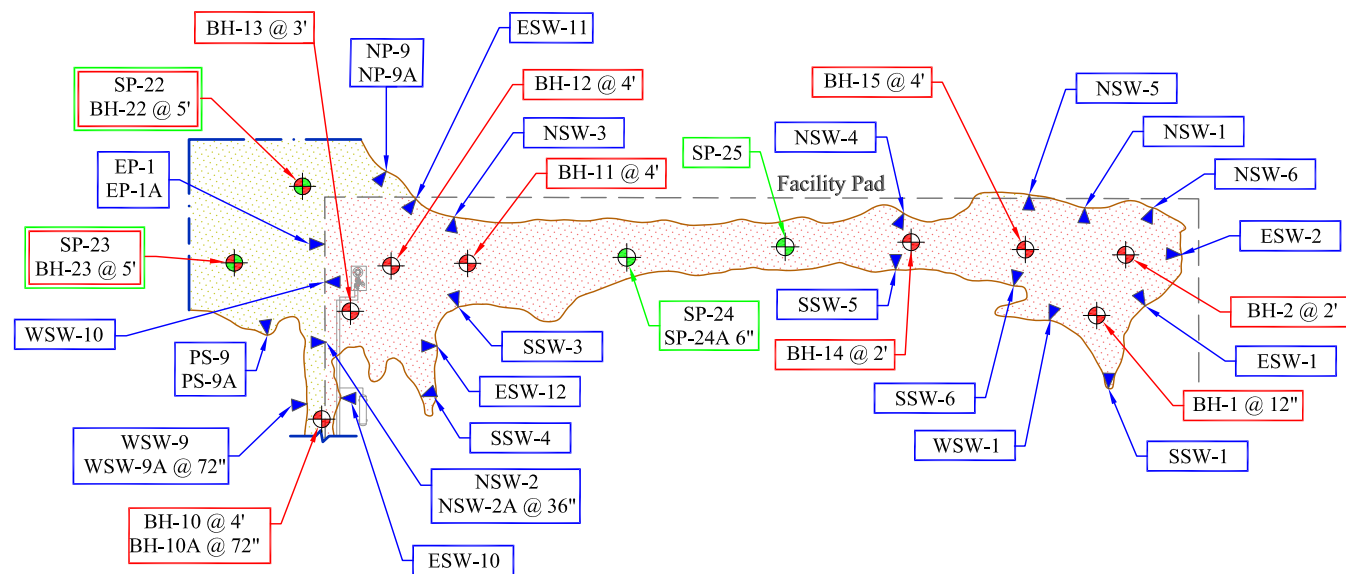
All sample points are approximate
 Not to Scale



Job No.:

1226-13636

Figure 4



Site - Crazy Wolf 1 2 B2MM Fed COM 1H
 Site Details Map -Section C
 Centennial Resource Development, Inc.
 Lea County, NM
 N 32.6830216°, W 130.724171°
 May 2021

- ⊕ = Sample Points (SP)
- ⊙ = Bottom Hole (BH)
- ⊕⊙ = Sample Point & Bottom Hole
- ▲ = Perimeter / Side Wall

Legend

- = Excavation Perimeter
- ▨ = Excavation on Facility Pad
- ▩ = Excavation in Pasture

All sample points are approximate
 Not to Scale



Job No.:

1226-13636

Figure 5

TABLES

Table 1 – Pasture Sample Results, Concentrations of Benzene, BTEX, TPH, and Chlorides in Soil

Table 2 – Pad Sample Results, Concentrations of Benzene, BTEX, TPH, and Chlorides in Soil

**Closure Request and Remediation Summary Report
Crazy Wolf 1 2 B2MM Fed COM 1H**





TABLE 1
PASTURE SAMPLE RESULTS
CONCENTRATIONS OF BENZENE, BTEX, TPH, AND CHLORIDE IN SOIL
CENTENNIAL RESOURCE DEVELOPMENT, INC.

Crazy Wolf 1 2 B2MM Fed COM 1H

LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/Kg

SAMPLE LOCATION	SAMPLE DATE	METHODS: SW 846-8021B						METHOD: SW 8015M					E 300.0
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C ₆ -C ₁₂	TPH DRO C ₁₂ -C ₂₈	TPH ORO C ₂₈ -C ₃₅	TOTAL TPH C ₆ -C ₃₅	CHLORIDE
Limits		10 mg/Kg						50 mg/Kg				100 mg/Kg	600 mg/Kg
Sample Point 1	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	74.5	34.8	109.3	10.4
Sample Point 1A	4/30/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
Sample Point 2	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	29.6	ND	29.6	6.80
Sample Point 3	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	31.1	ND	31.1	5.89
Sample Point 4	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	26.8	ND	26.8	12.4
Sample Point 5	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.89
Sample Point 6	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.01
Sample Point 7	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	32.3	ND	32.3	6.55
Sample Point 8	3/18/2021	ND	0.00131	ND	ND	0.00660	0.00660	0.00791	ND	346	60.3	406.3	7.47
Sample Point 8A	4/30/2021	-	-	-	-	-	-	-	ND	29.4	ND	29.4	-
Sample Point 9	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	36.8	ND	36.8	6.30
Sample Point 10	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	69.4	ND	69.4	6.31
Sample Point 11	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	46.6	ND	46.6	6.61
Sample Point 12	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	43.2	ND	43.2	ND
Sample Point 13	3/18/2021	ND	ND	0.00352	0.00464	0.0527	0.05734	0.06086	70.5	992	157	1,219.5	10.2
Bottom Hole 13 @ 5'	4/30/2021	-	-	-	-	-	-	-	ND	81.9	34.0	115.9	-
Bottom Hole 13B 6'	5/12/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
Sample Point 14	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	260	42.9	302.9	3.15
Sample Point 14	8/18/2021	-	-	-	-	-	-	-	ND	53.8	ND	53.8	-
Sample Point 15	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	64.9	ND	64.9	ND
Sample Point 16	3/18/2021	ND	ND	0.00137	ND	0.0277	0.0277	0.02907	51.3	760	113	924.3	7.60
Bottom Hole 16 @ 5'	4/30/2021	-	-	-	-	-	-	-	ND	28.2	ND	28.2	-
Sample Point 17	3/18/2021	ND	ND	ND	ND	0.0260	0.0260	0.0260	49.9	856	127	1,030	7.46
Bottom Hole 17 @ 3'	4/30/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
Sample Point 18	3/18/2021	ND	ND	ND	ND	0.0179	0.0179	0.0179	39.3	699	115	853.3	3.18
Bottom Hole 18 @ 5'	4/30/2021	-	-	-	-	-	-	-	ND	73.4	ND	73.4	-
Sample Point 19	3/18/2021	ND	ND	0.00130	ND	0.00386	0.00386	0.00516	ND	190	37.4	227.4	ND
Bottom Hole 19 @ 5'	4/30/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
Sample Point 20	3/18/2021	ND	0.00334	0.00420	0.0428	0.0692	0.1120	0.11954	57.1	767	124	948.1	4.51
Bottom Hole 20 @ 5'	4/30/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
Sample Point 21	3/18/2021	ND	0.00200	0.00190	0.00227	0.0296	0.03187	0.03577	48.0	1,020	176	1,244.0	5.42
Bottom Hole 21 @ 5'	4/30/2021	-	-	-	-	-	-	-	ND	30.8	ND	30.8	-
Sample Point 22	3/18/2021	ND	0.00281	0.00333	0.0385	0.0699	0.1084	0.11454	97.4	1,660	277	2,034.4	8.84
Bottom Hole 22 @ 5'	4/30/2021	-	-	-	-	-	-	-	ND	52.9	ND	52.9	-
Sample Point 23	3/18/2021	ND	0.00267	0.00205	0.00492	0.0536	0.05852	0.06324	39.1	703	114	856.1	3.52



TABLE 1
PASTURE SAMPLE RESULTS
CONCENTRATIONS OF BENZENE, BTEX, TPH, AND CHLORIDE IN SOIL
CENTENNIAL RESOURCE DEVELOPMENT, INC.
Crazy Wolf 1 2 B2MM Fed COM 1H
LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/Kg

SAMPLE LOCATION	SAMPLE DATE	METHODS: SW 846-8021B						METHOD: SW 8015M					E 300.0
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C ₆ -C ₁₂	TPH DRO C ₁₂ -C ₂₈	TPH ORO C ₂₈ -C ₃₅	TOTAL TPH C ₆ -C ₃₅	CHLORIDE
Limits		10 mg/Kg						50 mg/Kg				100 mg/Kg	600 mg/Kg
Bottom Hole 23 @ 5'	4/30/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
North Perimeter 1	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North Perimeter 2	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North Perimeter 3	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	126	ND	126	ND
North Perimeter 3A	4/30/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
North Perimeter 4	3/18/2021	ND	0.00158	ND	0.00551	0.0121	0.01761	0.01919	ND	120	ND	120	ND
North Perimeter 4A	4/30/2021	-	-	-	-	-	-	-	ND	34.6	ND	34.6	-
North Perimeter 5	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
North Perimeter 6	3/18/2021	ND	ND	ND	ND	0.00504	0.00504	0.00504	ND	186	ND	186	ND
North Perimeter 6A	4/30/2021	-	-	-	-	-	-	-	ND	139	ND	139	-
North Perimeter 6B	5/12/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
North Perimeter 7	3/18/2021	ND	0.00125	0.00114	ND	0.00734	0.00734	0.00973	41.4	1,650	235	1,926.4	5.47
North Perimeter 7A	4/30/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
North Perimeter 8	3/18/2021	ND	0.00322	0.00643	0.00904	0.0247	0.03374	0.04339	79.2	2,430	312	2,820	7.59
North Perimeter 8A	4/30/2021	-	-	-	-	-	-	-	ND	73.7	ND	73.7	-
North Perimeter 9	3/18/2021	ND	0.00305	0.00434	0.00735	0.0382	0.04555	0.05294	40.8	1,600	220	1,860.8	4.94
North Perimeter 9A	4/30/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
East Perimeter 1	3/18/2021	ND	0.00233	0.0207	0.107	0.0872	0.1942	0.21723	112	1,480	181	1,773	14.9
East Perimeter 1A	4/30/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
Perimeter South 1	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perimeter South 2	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	43.6	ND	43.6	ND
Perimeter South 3	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perimeter South 4	3/18/2021	ND	ND	ND	0.00240	0.00223	0.00463	0.00463	ND	86.4	ND	86.4	ND
Perimeter South 5	3/18/2021	ND	0.00118	0.00136	0.00684	0.00548	0.01232	0.01486	ND	68.6	ND	68.6	ND
Perimeter South 6	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perimeter South 7	3/18/2021	ND	0.00136	0.00117	0.00297	0.00460	0.00757	0.01010	ND	294	37.9	331.9	9.95
Perimeter South 7A	4/30/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
Perimeter South 8	3/18/2021	ND	0.00248	0.00343	0.0110	0.0214	0.0324	0.03831	32.8	498	58.9	589.7	10.6
Perimeter South 8A	4/30/2021	-	-	-	-	-	-	-	ND	81.1	ND	81.1	-
Perimeter South 9	3/18/2021	ND	0.00302	0.00533	0.0218	0.0457	0.0675	0.07585	34.9	588	68.8	691.7	10.9
Perimeter South 9A	4/30/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
West Perimeter 1	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	25.2	ND	25.2	7.94
West Perimeter 2	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.03
West Perimeter 3	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND



TABLE 1
PASTURE SAMPLE RESULTS
CONCENTRATIONS OF BENZENE, BTEX, TPH, AND CHLORIDE IN SOIL
CENTENNIAL RESOURCE DEVELOPMENT, INC.
Crazy Wolf 1 2 B2MM Fed COM 1H
LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/Kg

SAMPLE LOCATION	SAMPLE DATE	METHODS: SW 846-8021B						METHOD: SW 8015M					E 300.0
		BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEx	TPH Gro C ₆ -C ₁₂	TPH Dro C ₁₂ -C ₂₈	TPH Oro C ₂₈ -C ₃₅	TOTAL TPH C ₆ -C ₃₅	CHLORIDE
Limits		10 mg/Kg						50 mg/Kg				100 mg/Kg	600 mg/Kg
West Perimeter 4	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
West Perimeter 5	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
West Perimeter 6	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
West Perimeter 7	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
West Perimeter 8	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
West Perimeter 9	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
West Perimeter 10	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	41.2	ND	41.2	1.73
West Perimeter 11	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bottom Hole 3 @ 4'	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	49.2	ND	49.2	701
Bottom Hole 3 @ 4.5'	8/18/2021	-	-	-	-	-	-	-	-	-	-	-	20.0
East Sidewall 3	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	81.1
South Sidewall 2	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	289
West Sidewall 2	3/18/2021	0.00176	0.0117	0.00561	0.0127	0.00535	0.01805	0.03712	ND	ND	ND	ND	2.62
Bottom Hole 4 @ 4'	3/18/2021	ND	0.00318	0.00184	ND	0.00272	0.00272	0.00774	ND	73.9	ND	73.9	14.9
East Sidewall 4	3/18/2021	ND	0.00451	0.00525	0.00690	0.00284	0.00974	0.01950	ND	ND	ND	ND	11.2
West Sidewall 3	3/18/2021	ND	0.00317	0.00466	0.00664	0.00522	0.01186	0.01969	ND	ND	ND	ND	6.98
Bottom Hole 5 @ 4'	3/18/2021	ND	0.00150	ND	ND	0.00312	0.00312	0.00462	ND	120	ND	120	13.7
Bottom Hole 5A @ 72"	4/27/2021	-	-	-	-	-	-	-	ND	38.1	ND	38.1	-
East Sidewall 5	3/18/2021	0.00118	0.0122	0.0135	0.0221	0.0178	0.0399	0.06678	159	2,540	446	3,145	12.0
East Side Wall 5A @ 48"	4/27/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
West Sidewall 4	3/18/2021	0.00124	0.00869	0.00683	0.00597	0.0264	0.03237	0.04913	27.3	192	ND	219.3	21.0
West Side Wall 4A @ 72"	4/27/2021	-	-	-	-	-	-	-	ND	53.9	ND	53.9	-
Bottom Hole 6 @ 3'	3/18/2021	ND	0.00948	0.00669	0.00214	0.0116	0.01374	0.02991	ND	163	ND	163	28.2
Bottom Hole 6A @ 72"	4/27/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
East Sidewall 6	3/18/2021	0.00174	0.00760	0.00850	0.00835	0.0129	0.02125	0.03909	ND	38.0	ND	38.0	21.7
West Sidewall 5	3/18/2021	ND	0.0827	ND	0.102	0.153	0.255	0.3377	73.1	352	38.6	463.7	25.7
West Side Wall 5A @ 72"	4/27/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
Bottom Hole 7 @ 3'	3/18/2021	ND	0.00472	0.0116	ND	0.0157	0.0157	0.03202	26.4	166	ND	192.4	34.0
Bottom Hole 7A @ 72"	4/27/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
East Sidewall 7	3/18/2021	ND	0.00563	0.00608	0.00777	0.00284	0.01061	0.02232	ND	ND	ND	ND	3.31
West Sidewall 6	3/18/2021	0.00470	0.0849	0.0962	0.0302	0.111	0.1412	0.32700	ND	259	29.8	288.8	15.9
West Side Wall 6A @ 72"	4/27/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
Bottom Hole 8 @ 3'	3/18/2021	0.00975	0.0822	0.0512	0.0192	0.0423	0.0615	0.20465	26.8	192	25.9	245	2.76
Bottom Hole 8A @ 72"	4/27/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
East Sidewall 8	3/18/2021	ND	0.00516	0.00658	0.00612	0.00632	0.01244	0.02418	ND	171	33.0	204.0	7.25
East Side Wall 8A @ 5'	4/27/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
West Sidewall 7	3/18/2021	ND	0.0636	0.155	0.0819	0.122	0.2039	0.4225	ND	220	25.4	245.4	3.34
West Side Wall 7A @ 72"	4/27/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-



TABLE 1
PASTURE SAMPLE RESULTS
 CONCENTRATIONS OF BENZENE, BTEX, TPH, AND CHLORIDE IN SOIL
 CENTENNIAL RESOURCE DEVELOPMENT, INC.

Crazy Wolf 1 2 B2MM Fed COM 1H

LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/Kg

SAMPLE LOCATION	SAMPLE DATE	METHODS: SW 846-8021B						METHOD: SW 8015M				E 300.0	
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C ₆ -C ₁₂	TPH DRO C ₁₂ -C ₂₈	TPH ORO C ₂₈ -C ₃₅	TOTAL TPH C ₆ -C ₃₅	CHLORIDE
Limits		10 mg/Kg						50 mg/Kg				100 mg/Kg	600 mg/Kg
Bottom Hole 9 @ 4'	3/18/2021	ND	0.00387	0.00874	0.00588	0.00486	0.01074	0.02335	ND	243	36.6	279.6	4.45
Bottom Hole 9A @ 72"	4/27/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
East Sidewall 9	3/18/2021	0.00841	0.0367	0.0231	0.0214	0.00847	0.02987	0.09808	ND	50.1	ND	50.1	5.32
West Sidewall 8	3/18/2021	0.00291	0.0799	0.0791	0.0415	0.0562	0.0977	0.25961	ND	351	40.1	391.1	ND
West Side Wall 8A @ 72"	4/27/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
Bottom Hole 10 @ 4'	3/18/2021	0.0142	0.0688	0.0268	0.00575	0.0148	0.02055	0.13035	ND	141	ND	141	ND
Bottom Hole 10A @ 72"	4/27/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
North Sidewall 2	3/18/2021	0.00302	0.0543	0.0619	0.0702	0.0387	0.1089	0.22812	27.2	325	45.7	397.9	2.81
North Side Wall 2A @ 36"	4/27/2021	-	-	-	-	-	-	-	ND	36.7	ND	36.7	-
East Sidewall 10	3/18/2021	ND	0.00191	0.00465	0.00658	0.00393	0.01051	0.01707	ND	ND	ND	ND	48.7
West Sidewall 9	3/18/2021	0.00558	0.158	0.145	0.201	0.152	0.353	0.66158	134	551	63.5	748.5	88.4
West Side Wall 9A @ 72"	4/27/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
West Stockpile 1	3/18/2021	0.00218	0.736	1.32	1.56	0.635	2.195	4.25318	47.1	237	32.8	316.9	9.68
West Stockpile 1A	4/30/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
West Stockpile 2	3/18/2021	0.00420	1.29	1.67	1.75	0.660	2.410	5.37420	34.0	191	26.6	251.6	8.06
West Stockpile 2A	4/30/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
West Stockpile 3	3/18/2021	0.00348	0.202	0.327	0.525	0.145	0.670	1.20248	ND	125	ND	125	16.2
West Stockpile 3A	4/30/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
West Stockpile 4	3/18/2021	ND	1.47	0.537	0.636	0.156	0.792	2.799	27.4	209	27.6	264.0	24.4
West Stockpile 4A	4/30/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
West Stockpile 5	3/18/2021	ND	0.171	0.889	1.44	0.661	2.101	3.161	127	1,240	161	1,528	1.18
West Stockpile 5A	4/30/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
West Stockpile 6	3/18/2021	ND	0.706	1.80	2.02	1.01	3.03	5.536	119	896	130	1,145	1.28
West Stockpile 6A	5/3/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
West Stockpile 7	3/18/2021	ND	0.0635	0.106	0.118	0.0682	0.1862	0.3557	59.4	608	89.2	756.6	8.49
West Stockpile 7A	5/3/2021	-	-	-	-	-	-	-	ND	ND	ND	ND	-
Stockpile 1 Pasture	4/30/2021	-	-	-	-	-	-	-	ND	61.7	ND	61.7	-
Stockpile 2 Pasture	4/30/2021	-	-	-	-	-	-	-	ND	50.0	ND	50.0	-
Stockpile 3 Pasture	4/30/2021	-	-	-	-	-	-	-	ND	44.5	ND	44.5	-

Bold and yellow highlighted indicates analyte above NMOC Regulatory Limit.

"ND" indicates analyte was not detected above the laboratory method detection limit.

"-" Indicates analyte not analyzed.



TABLE 2
PAD SAMPLE RESULTS
 CONCENTRATIONS OF BENZENE, BTEX, TPH, AND CHLORIDE IN SOIL
 CENTENNIAL RESOURCE DEVELOPMENT, INC.

Crazy Wolf 1 2 B2MM Fed COM 1H
 LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/Kg

SAMPLE LOCATION	SAMPLE DATE	METHODS: SW 846-8021B						METHOD: SW 8015M					E 300.0
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C ₆ -C ₁₂	TPH DRO C ₁₂ -C ₂₈	TPH ORO C ₂₈ -C ₃₅	TOTAL TPH C ₆ -C ₃₅	CHLORIDE
Limits		10 mg/Kg						50 mg/Kg				2,500 mg/Kg	10,000 mg/Kg
Bottom Hole 1 @ 12"	3/18/2021	ND	0.00171	ND	ND	0.00383	0.00383	0.00554	ND	619	96.2	715.2	189
North Sidewall 1	3/18/2021	ND	0.00565	0.00450	0.00707	0.00335	0.01042	0.02057	ND	158	40.4	198.4	439
East Sidewall 1	3/18/2021	0.00178	0.0137	0.0141	0.0220	0.0105	0.0325	0.06208	ND	495	77.0	572	350
South Sidewall 1	3/18/2021	ND	0.00201	0.00420	0.00299	0.00522	0.00821	0.01442	ND	247	35.2	282.2	146
West Sidewall 1	3/18/2021	ND	0.00156	ND	ND	0.00649	0.00649	0.00805	ND	587	68.2	655.2	329
Bottom Hole 2 @ 2'	3/18/2021	ND	0.00280	0.0244	0.00310	0.0376	0.04070	0.06790	68.5	1,980	305	2,353.5	125
North Sidewall 6	3/18/2021	0.00236	0.00106	0.00435	0.0105	ND	0.0105	0.01827	ND	52.8	ND	52.8	23.6
East Sidewall 2	3/18/2021	0.00118	0.00596	0.00210	0.00441	0.00312	0.00753	0.01677	ND	104	ND	104	60.5
Bottom Hole 11 @ 4'	3/18/2021	0.00352	0.0554	0.0997	0.0756	0.0990	0.1746	0.33322	41.1	415	50.5	506.6	13.9
North Sidewall 3	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	69.3
South Sidewall 3	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18.6
Bottom Hole 12 @ 4'	3/18/2021	0.00232	0.0304	0.0244	0.0141	0.0282	0.0423	0.09942	64.5	889	133	1,086.5	18.9
East Sidewall 11	3/18/2021	ND	0.00310	0.00887	0.0122	0.00533	0.01753	0.02950	ND	85.0	ND	85.0	ND
West Sidewall 10	3/18/2021	ND	0.0169	0.0569	0.0582	0.0365	0.0947	0.1685	31.2	105	ND	136.2	40.4
Bottom Hole 13 @ 3'	3/18/2021	0.00137	0.0204	0.00390	ND	0.0541	0.0541	0.07977	ND	349	48.4	397.4	57.1
East Sidewall 12	3/18/2021	0.00144	0.109	0.175	0.147	0.115	0.262	0.54744	145	1,630	191	1,966	28.0
South Sidewall 4	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.59
Bottom Hole 14 @ 2'	3/18/2021	0.0107	0.0300	0.00749	0.00733	0.0199	0.02723	0.07542	56.2	700	94.9	851.1	39.8
North Sidewall 4	3/18/2021	ND	0.0119	0.00981	0.0112	0.00501	0.01621	0.03792	ND	47.4	ND	47.4	11.7
South Sidewall 5	3/18/2021	ND	0.00309	0.00437	0.00526	0.00288	0.00814	0.01560	40.0	619	81.2	740.2	10.4
Bottom Hole 15 @ 4'	3/18/2021	0.00449	0.0457	0.0815	0.0868	0.0469	0.1337	0.26539	ND	446	62.3	508.3	130
North Sidewall 5	3/18/2021	ND	0.00565	0.00606	0.00715	0.00572	0.01287	0.02458	35.3	738	95.0	868.3	68.5
South Sidewall 6	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	530	76.2	606.2	170
Sample Point 24	3/18/2021	0.00195	0.0122	0.00324	0.0254	0.164	0.1894	0.20679	147	2,110	357	2,614	387
Sample Point 24A @ 6"	4/27/2021	-	-	-	-	-	-	-	ND	126	31.9	157.9	-
Sample Point 25	3/18/2021	0.00228	0.0152	0.00334	0.0222	0.164	0.1862	0.20702	79.8	737	116	932.8	172
Sample Point 26	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	119	ND	119	281
Sample Point 27	3/18/2021	ND	ND	0.00270	0.00609	0.00720	0.01329	0.01599	ND	2,750	350	3,100	678
Sample Point 27A @ 6"	4/27/2021	-	-	-	-	-	-	-	ND	623	116	739	-
Sample Point 28	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	336
Sample Point 29	3/18/2021	ND	ND	ND	ND	ND	ND	ND	ND	330	60.2	390.2	62.6
East Stockpile 1	3/18/2021	0.00163	0.880	2.11	2.37	1.34	3.71	6.7016	261	2,150	300	2,711	88.3
Stockpile East 1A	4/27/2021	-	-	-	-	-	-	-	126	1,840	217	2,183	-
East Stockpile 2	3/18/2021	0.0398	2.32	1.36	1.34	0.343	1.683	5.4028	34.7	1,270	180	1,484.7	142
East Stockpile 3	3/18/2021	ND	0.0746	0.170	0.149	0.0998	0.2488	0.4934	225	2,710	392	3,327	131
Stockpile East 3A	04/27/201	-	-	-	-	-	-	-	170	1,900	295	2,365	-

Bold and yellow highlighted indicates analyte above NMOCD Regulatory Limit.

"ND" indicates analyte was not detected above the laboratory method detection limit.

"-" Indicates analyte not analyzed.

APPENDIX A

Photographic Documentation

**Closure Request and Remediation Summary Report
Crazy Wolf 1 2 B2MM Fed COM 1H**



Project Name: Crazy Wolf 1 2 B2MM Fed Com 1H
Project No: 13636

Photographic Documentation

Project Name: Crazy Wolf 1 2 B2MM Fed Com 1H
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Project No: 13636

Photographic Documentation

Project Name: Crazy Wolf 1 2 B2MM Fed Com 1H
Project No: 13636

Photographic Documentation

Photo No: 25.	
Direction Taken: Southeast	
Description: View of the reseeded pasture area.	

Photo No: 26.	
Direction Taken: West	
Description: View of the reseeded pasture area.	

APPENDIX B

Laboratory Analytical Reports

**Closure Request and Remediation Summary Report
Crazy Wolf 1 2 B2MM Fed COM 1H**



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



Analytical Report

Prepared for:

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

Project: Crazy Wolf 1H Flare

Project Number: 13636

Location: NM

Lab Order Number: 1C22021



NELAP/TCEQ # T104704516-17-8

Report Date: 04/07/21

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

Project: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-1	1C22021-01	Soil	03/18/21 14:00	03-22-2021 10:21
SP-2	1C22021-02	Soil	03/18/21 14:01	03-22-2021 10:21
SP-3	1C22021-03	Soil	03/18/21 14:02	03-22-2021 10:21
SP-4	1C22021-04	Soil	03/18/21 14:03	03-22-2021 10:21
SP-5	1C22021-05	Soil	03/18/21 14:04	03-22-2021 10:21
SP-6	1C22021-06	Soil	03/18/21 14:05	03-22-2021 10:21
SP-7	1C22021-07	Soil	03/18/21 14:06	03-22-2021 10:21
SP-8	1C22021-08	Soil	03/18/21 14:07	03-22-2021 10:21
SP-9	1C22021-09	Soil	03/18/21 14:08	03-22-2021 10:21
SP-10	1C22021-10	Soil	03/18/21 14:09	03-22-2021 10:21
SP-11	1C22021-11	Soil	03/18/21 14:10	03-22-2021 10:21
SP-12	1C22021-12	Soil	03/18/21 14:11	03-22-2021 10:21
SP-13	1C22021-13	Soil	03/18/21 14:12	03-22-2021 10:21
SP-14	1C22021-14	Soil	03/18/21 14:13	03-22-2021 10:21
SP-15	1C22021-15	Soil	03/18/21 14:14	03-22-2021 10:21
SP-16	1C22021-16	Soil	03/18/21 14:15	03-22-2021 10:21
SP-17	1C22021-17	Soil	03/18/21 14:16	03-22-2021 10:21
SP-18	1C22021-18	Soil	03/18/21 14:17	03-22-2021 10:21
SP-19	1C22021-19	Soil	03/18/21 14:18	03-22-2021 10:21
SP-20	1C22021-20	Soil	03/18/21 14:19	03-22-2021 10:21
SP-21	1C22021-21	Soil	03/18/21 14:20	03-22-2021 10:21
SP-22	1C22021-22	Soil	03/18/21 14:21	03-22-2021 10:21
SP-23	1C22021-23	Soil	03/18/21 14:22	03-22-2021 10:21
SP-24	1C22021-24	Soil	03/18/21 14:23	03-22-2021 10:21
SP-25	1C22021-25	Soil	03/18/21 14:24	03-22-2021 10:21
BH-1 @ 12"	1C22021-26	Soil	03/18/21 14:25	03-22-2021 10:21
BH-2 @ 2'	1C22021-27	Soil	03/18/21 14:26	03-22-2021 10:21
BH-3 @ 4'	1C22021-28	Soil	03/18/21 14:27	03-22-2021 10:21
BH-4 @ 4'	1C22021-29	Soil	03/18/21 14:28	03-22-2021 10:21
BH-5 @ 4'	1C22021-30	Soil	03/18/21 14:29	03-22-2021 10:21
BH-6 @ 3'	1C22021-31	Soil	03/18/21 14:30	03-22-2021 10:21
BH-7 @ 3'	1C22021-32	Soil	03/18/21 14:31	03-22-2021 10:21
BH-8 @ 3'	1C22021-33	Soil	03/18/21 14:32	03-22-2021 10:21
BH-9 @ 4'	1C22021-34	Soil	03/18/21 14:33	03-22-2021 10:21

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

Project: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-10 @ 4'	1C22021-35	Soil	03/18/21 14:34	03-22-2021 10:21
BH-11 @ 4'	1C22021-36	Soil	03/18/21 14:35	03-22-2021 10:21
BH-12 @ 4'	1C22021-37	Soil	03/18/21 14:36	03-22-2021 10:21
BH-13 @ 3'	1C22021-38	Soil	03/18/21 14:37	03-22-2021 10:21
BH-14 @ 2'	1C22021-39	Soil	03/18/21 14:38	03-22-2021 10:21
BH-15 @ 4'	1C22021-40	Soil	03/18/21 14:39	03-22-2021 10:21
W Stockpile 1	1C22021-41	Soil	03/18/21 14:40	03-22-2021 10:21
W Stockpile 2	1C22021-42	Soil	03/18/21 14:41	03-22-2021 10:21
W Stockpile 3	1C22021-43	Soil	03/18/21 14:42	03-22-2021 10:21
W Stockpile 4	1C22021-44	Soil	03/18/21 14:43	03-22-2021 10:21
W Stockpile 5	1C22021-45	Soil	03/18/21 14:44	03-22-2021 10:21
W Stockpile 6	1C22021-46	Soil	03/18/21 14:45	03-22-2021 10:21
W Stockpile 7	1C22021-47	Soil	03/18/21 14:46	03-22-2021 10:21
East Stockpile 1	1C22021-48	Soil	03/18/21 14:47	03-22-2021 10:21
East Stockpile 2	1C22021-49	Soil	03/18/21 14:48	03-22-2021 10:21
East Stockpile 3	1C22021-50	Soil	03/18/21 14:49	03-22-2021 10:21
NSW-1	1C22021-51	Soil	03/18/21 14:50	03-22-2021 10:21
NSW-2	1C22021-52	Soil	03/18/21 14:51	03-22-2021 10:21
NSW-3	1C22021-53	Soil	03/18/21 14:52	03-22-2021 10:21
NSW-4	1C22021-54	Soil	03/18/21 14:53	03-22-2021 10:21
NSW-5	1C22021-55	Soil	03/18/21 14:54	03-22-2021 10:21
NSW-6	1C22021-56	Soil	03/18/21 14:55	03-22-2021 10:21
ESW-1	1C22021-57	Soil	03/18/21 14:56	03-22-2021 10:21
ESW-2	1C22021-58	Soil	03/18/21 14:57	03-22-2021 10:21
ESW-3	1C22021-59	Soil	03/18/21 14:58	03-22-2021 10:21
ESW-4	1C22021-60	Soil	03/18/21 14:59	03-22-2021 10:21
ESW-5	1C22021-61	Soil	03/18/21 15:00	03-22-2021 10:21
ESW-6	1C22021-62	Soil	03/18/21 15:01	03-22-2021 10:21
ESW-7	1C22021-63	Soil	03/18/21 15:02	03-22-2021 10:21
ESW-8	1C22021-64	Soil	03/18/21 15:03	03-22-2021 10:21
ESW-9	1C22021-65	Soil	03/18/21 15:04	03-22-2021 10:21
ESW-10	1C22021-66	Soil	03/18/21 15:05	03-22-2021 10:21
ESW-11	1C22021-67	Soil	03/18/21 15:06	03-22-2021 10:21
ESW-12	1C22021-68	Soil	03/18/21 15:07	03-22-2021 10:21

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SSW-1	1C22021-69	Soil	03/18/21 15:08	03-22-2021 10:21
SSW-2	1C22021-70	Soil	03/18/21 15:09	03-22-2021 10:21
NP-7	1C22022-01	Soil	03/18/21 15:30	03-22-2021 10:21
NP-8	1C22022-02	Soil	03/18/21 15:31	03-22-2021 10:21
NP-9	1C22022-03	Soil	03/18/21 15:32	03-22-2021 10:21
EP-1	1C22022-04	Soil	03/18/21 15:33	03-22-2021 10:21
PS-1	1C22022-05	Soil	03/18/21 15:34	03-22-2021 10:21
PS2	1C22022-06	Soil	03/18/21 15:35	03-22-2021 10:21
PS-3	1C22022-07	Soil	03/18/21 15:36	03-22-2021 10:21
PS-4	1C22022-08	Soil	03/18/21 15:37	03-22-2021 10:21
PS-5	1C22022-09	Soil	03/18/21 15:38	03-22-2021 10:21
PS-6	1C22022-10	Soil	03/18/21 15:39	03-22-2021 10:21
WSW-7	1C22022-11	Soil	03/18/21 15:20	03-22-2021 10:21
WSW-8	1C22022-12	Soil	03/18/21 15:21	03-22-2021 10:21
WSW-9	1C22022-13	Soil	03/18/21 15:22	03-22-2021 10:21
WSW-10	1C22022-14	Soil	03/18/21 15:23	03-22-2021 10:21
NP-1	1C22022-15	Soil	03/18/21 15:24	03-22-2021 10:21
NP-2	1C22022-16	Soil	03/18/21 15:25	03-22-2021 10:21
NP-3	1C22022-17	Soil	03/18/21 15:26	03-22-2021 10:21
NP-4	1C22022-18	Soil	03/18/21 15:27	03-22-2021 10:21
NP-5	1C22022-19	Soil	03/18/21 15:28	03-22-2021 10:21
NP-6	1C22022-20	Soil	03/18/21 15:29	03-22-2021 10:21
SSW-3	1C22022-21	Soil	03/18/21 15:10	03-22-2021 10:21
SSW-4	1C22022-22	Soil	03/18/21 15:11	03-22-2021 10:21
SSW-5	1C22022-23	Soil	03/18/21 15:12	03-22-2021 10:21
SSW-6	1C22022-24	Soil	03/18/21 15:13	03-22-2021 10:21
WSW-1	1C22022-25	Soil	03/18/21 15:14	03-22-2021 10:21
WSW-2	1C22022-26	Soil	03/18/21 15:15	03-22-2021 10:21
WSW-3	1C22022-27	Soil	03/18/21 15:16	03-22-2021 10:21
WSW-4	1C22022-28	Soil	03/18/21 15:17	03-22-2021 10:21
WSW-5	1C22022-29	Soil	03/18/21 15:18	03-22-2021 10:21
WSW-6	1C22022-30	Soil	03/18/21 15:19	03-22-2021 10:21
PS-7	1C22022-31	Soil	03/18/21 15:40	03-22-2021 10:21
PS-8	1C22022-32	Soil	03/18/21 15:41	03-22-2021 10:21

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PS-9	1C22022-33	Soil	03/18/21 15:42	03-22-2021 10:21
WP-1	1C22022-34	Soil	03/18/21 15:43	03-22-2021 10:21
WP-2	1C22022-35	Soil	03/18/21 15:44	03-22-2021 10:21
WP-3	1C22022-36	Soil	03/18/21 15:45	03-22-2021 10:21
WP-4	1C22022-37	Soil	03/18/21 15:46	03-22-2021 10:21
WP-5	1C22022-38	Soil	03/18/21 15:47	03-22-2021 10:21
WP-6	1C22022-39	Soil	03/18/21 15:48	03-22-2021 10:21
WP-7	1C22022-40	Soil	03/18/21 15:49	03-22-2021 10:21
WP-8	1C22022-41	Soil	03/18/21 15:50	03-22-2021 10:21
WP-9	1C22022-42	Soil	03/18/21 15:51	03-22-2021 10:21
WP-10	1C22022-43	Soil	03/18/21 15:52	03-22-2021 10:21
WP-11	1C22022-44	Soil	03/18/21 15:53	03-22-2021 10:21
SP-26	1C22022-45	Soil	03/18/21 15:58	03-22-2021 10:21
SP-27	1C22022-46	Soil	03/18/21 16:02	03-22-2021 10:21
SP-28	1C22022-47	Soil	03/18/21 16:06	03-22-2021 10:21
SP-29	1C22022-48	Soil	03/18/21 16:10	03-22-2021 10:21

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-1
1C22021-01 (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	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		112 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	10.4	1.00	mg/kg dry	1	P1C2620	03/26/21	03/28/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2408	03/24/21	03/26/21	TPH 8015M	
>C12-C28	74.5	25.0	mg/kg dry	1	P1C2408	03/24/21	03/26/21	TPH 8015M	
>C28-C35	34.8	25.0	mg/kg dry	1	P1C2408	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		89.0 %	70-130		P1C2408	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		90.7 %	70-130		P1C2408	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	109	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-2

1C22021-02 (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	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		108 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	6.80	1.00	mg/kg dry	1	P1C2620	03/26/21	03/28/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2408	03/24/21	03/26/21	TPH 8015M	
>C12-C28	29.6	25.0	mg/kg dry	1	P1C2408	03/24/21	03/26/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2408	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		89.7 %	70-130		P1C2408	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		93.0 %	70-130		P1C2408	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	29.6	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-3

1C22021-03 (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	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5.89	1.00	mg/kg dry	1	P1C2620	03/26/21	03/28/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2408	03/24/21	03/26/21	TPH 8015M	
>C12-C28	31.1	25.0	mg/kg dry	1	P1C2408	03/24/21	03/26/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2408	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		88.0 %	70-130		P1C2408	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		88.6 %	70-130		P1C2408	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	31.1	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-4

1C22021-04 (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	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	12.4	1.00	mg/kg dry	1	P1C2620	03/26/21	03/28/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2408	03/24/21	03/26/21	TPH 8015M	
>C12-C28	26.8	25.0	mg/kg dry	1	P1C2408	03/24/21	03/26/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2408	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		84.2 %	70-130		P1C2408	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		83.9 %	70-130		P1C2408	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	26.8	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-5

1C22021-05 (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	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5.89	1.00	mg/kg dry	1	P1C2620	03/26/21	03/28/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2408	03/24/21	03/26/21	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1C2408	03/24/21	03/26/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2408	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		81.6 %	70-130		P1C2408	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		83.9 %	70-130		P1C2408	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-6
1C22021-06 (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	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		112 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		107 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	6.01	1.00	mg/kg dry	1	P1C2620	03/26/21	03/28/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2408	03/24/21	03/26/21	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1C2408	03/24/21	03/26/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2408	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		89.6 %	70-130		P1C2408	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		93.0 %	70-130		P1C2408	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-7

1C22021-07 (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	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		110 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	6.55	1.00	mg/kg dry	1	P1C2620	03/26/21	03/28/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C12-C28	32.3	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		93.4 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		99.9 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	32.3	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-8

1C22021-08 (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	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Toluene	0.00131	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (o)	0.00660	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	7.47	1.00	mg/kg dry	1	P1C2620	03/26/21	03/28/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C12-C28	346	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C28-C35	60.3	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		96.6 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		101 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	406	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-9

1C22021-09 (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	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		108 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	6.30	1.00	mg/kg dry	1	P1C2620	03/26/21	03/28/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C12-C28	36.8	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		94.1 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		92.2 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	36.8	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-10
1C22021-10 (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	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		111 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	6.31	1.00	mg/kg dry	1	P1C2620	03/26/21	03/28/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C12-C28	69.4	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		93.9 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		97.8 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	69.4	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-11
1C22021-11 (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	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		108 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	6.61	1.00	mg/kg dry	1	P1C2620	03/26/21	03/28/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C12-C28	46.6	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		95.3 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		96.7 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	46.6	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-12
1C22021-12 (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	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		110 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1C2904	03/29/21	03/29/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C12-C28	43.2	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		95.4 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		102 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	43.2	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-13
1C22021-13 (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	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Ethylbenzene	0.00352	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (p/m)	0.00464	0.00200	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (o)	0.0527	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		111 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	10.2	1.00	mg/kg dry	1	P1C2904	03/29/21	03/29/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	70.5	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C12-C28	992	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C28-C35	157	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		97.8 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		92.2 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	1220	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-14
1C22021-14 (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	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		108 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	3.15	1.00	mg/kg dry	1	P1C2904	03/29/21	03/29/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C12-C28	260	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C28-C35	42.9	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		97.8 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		96.1 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	303	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-15
1C22021-15 (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	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		100 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		108 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1C2904	03/29/21	03/29/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C12-C28	64.9	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		94.2 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		96.2 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	64.9	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-16
1C22021-16 (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	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Ethylbenzene	0.00137	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (o)	0.0277	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	7.60	1.00	mg/kg dry	1	P1C2904	03/29/21	03/29/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	51.3	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C12-C28	760	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C28-C35	113	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		94.0 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		87.0 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	925	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-17
1C22021-17 (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	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (o)	0.0260	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	7.46	1.00	mg/kg dry	1	P1C2904	03/29/21	03/29/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	49.9	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C12-C28	856	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C28-C35	127	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		95.8 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		100 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	1030	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-18
1C22021-18 (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	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (o)	0.0179	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	3.18	1.00	mg/kg dry	1	P1C2904	03/29/21	03/29/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	39.3	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C12-C28	699	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C28-C35	115	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		100 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		96.4 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	853	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-19
1C22021-19 (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	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Ethylbenzene	0.00130	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (o)	0.00386	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1C2904	03/29/21	03/29/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C12-C28	190	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C28-C35	37.4	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		97.1 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		93.8 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	228	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-20
1C22021-20 (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	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Toluene	0.00334	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Ethylbenzene	0.00420	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (p/m)	0.0428	0.00200	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Xylene (o)	0.0692	0.00100	mg/kg dry	1	P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		114 %	80-120		P1C2610	03/26/21	03/28/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	4.51	1.00	mg/kg dry	1	P1C2904	03/29/21	03/29/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	57.1	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C12-C28	767	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C28-C35	124	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		102 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		95.2 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	948	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-21
1C22021-21 (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	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Toluene	0.00200	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Ethylbenzene	0.00190	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (p/m)	0.00227	0.00200	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (o)	0.0296	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		107 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5.42	1.00	mg/kg dry	1	P1C2904	03/29/21	03/29/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	48.0	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C12-C28	1020	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C28-C35	176	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		97.7 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		102 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	1240	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-22
1C22021-22 (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	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Toluene	0.00281	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Ethylbenzene	0.00333	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (p/m)	0.0385	0.00200	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (o)	0.0699	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.4 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		108 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	8.84	1.00	mg/kg dry	1	P1C2904	03/29/21	03/29/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	97.4	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C12-C28	1660	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C28-C35	277	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		101 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	2040	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-23
1C22021-23 (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	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Toluene	0.00267	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Ethylbenzene	0.00205	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (p/m)	0.00492	0.00200	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (o)	0.0536	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		97.6 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		108 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	3.52	1.00	mg/kg dry	1	P1C2904	03/29/21	03/29/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	39.1	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C12-C28	703	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C28-C35	114	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		95.9 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		90.1 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	856	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-24
1C22021-24 (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	0.00195	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Toluene	0.0122	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Ethylbenzene	0.00324	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (p/m)	0.0254	0.00200	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (o)	0.164	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		<i>110 %</i>	<i>80-120</i>		<i>P1C2611</i>	<i>03/26/21</i>	<i>03/29/21</i>	<i>EPA 8021B</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>95.9 %</i>	<i>80-120</i>		<i>P1C2611</i>	<i>03/26/21</i>	<i>03/29/21</i>	<i>EPA 8021B</i>	

General Chemistry Parameters by EPA / Standard Methods

Chloride	387	1.00	mg/kg dry	1	P1C2904	03/29/21	03/29/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	147	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C12-C28	2110	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C28-C35	357	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		<i>101 %</i>	<i>70-130</i>		<i>P1C2409</i>	<i>03/24/21</i>	<i>03/26/21</i>	<i>TPH 8015M</i>	
<i>Surrogate: o-Terphenyl</i>		<i>78.1 %</i>	<i>70-130</i>		<i>P1C2409</i>	<i>03/24/21</i>	<i>03/26/21</i>	<i>TPH 8015M</i>	
Total Petroleum Hydrocarbon C6-C35	2610	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-25
1C22021-25 (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	0.00228	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Toluene	0.0152	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Ethylbenzene	0.00334	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (p/m)	0.0222	0.00200	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (o)	0.164	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		111 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.1 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	172	1.00	mg/kg dry	1	P1C2904	03/29/21	03/29/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	79.8	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C12-C28	737	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C28-C35	116	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		97.5 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		76.4 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	932	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

BH-1 @ 12"
1C22021-26 (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	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Toluene	0.00171	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (o)	0.00383	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		110 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	189	1.00	mg/kg dry	1	P1C2904	03/29/21	03/29/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C12-C28	619	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
>C28-C35	96.2	25.0	mg/kg dry	1	P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		89.0 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		80.5 %	70-130		P1C2409	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	716	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

BH-2 @ 2'
1C22021-27 (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	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Toluene	0.00280	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Ethylbenzene	0.0244	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (p/m)	0.00310	0.00200	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (o)	0.0376	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.4 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		112 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	125	1.00	mg/kg dry	1	P1C2904	03/29/21	03/29/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	68.5	25.0	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
>C12-C28	1980	25.0	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
>C28-C35	305	25.0	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		96.9 %	70-130		P1C2412	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		114 %	70-130		P1C2412	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	2350	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

BH-3 @ 4'
1C22021-28 (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	P1C2611	03/26/21	03/29/21	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		110 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	701	1.02	mg/kg dry	1	P1C2904	03/29/21	03/29/21	EPA 300.0	
% Moisture	2.0	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
>C12-C28	49.2	25.5	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		94.2 %	70-130		P1C2412	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		101 %	70-130		P1C2412	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	49.2	25.5	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

BH-4 @ 4'
1C22021-29 (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	0.00101	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Toluene	0.00318	0.00101	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Ethylbenzene	0.00184	0.00101	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (o)	0.00272	0.00101	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		108 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	14.9	1.01	mg/kg dry	1	P1C2904	03/29/21	03/29/21	EPA 300.0	
% Moisture	1.0	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
>C12-C28	73.9	25.3	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		94.3 %	70-130		P1C2412	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		89.3 %	70-130		P1C2412	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	73.9	25.3	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

BH-5 @ 4'
1C22021-30 (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	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Toluene	0.00150	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (o)	0.00312	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	13.7	1.00	mg/kg dry	1	P1C2904	03/29/21	03/29/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
>C12-C28	120	25.0	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		91.2 %	70-130		P1C2412	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		77.6 %	70-130		P1C2412	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	120	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

BH-6 @ 3'
1C22021-31 (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	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Toluene	0.00948	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Ethylbenzene	0.00669	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (p/m)	0.00214	0.00200	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (o)	0.0116	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		107 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	28.2	1.00	mg/kg dry	1	P1C2904	03/29/21	03/29/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
>C12-C28	163	25.0	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		94.4 %	70-130		P1C2412	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		85.6 %	70-130		P1C2412	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	163	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

BH-7 @ 3'
1C22021-32 (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	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Toluene	0.00472	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Ethylbenzene	0.0116	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (o)	0.0157	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	34.0	1.00	mg/kg dry	1	P1C2905	03/29/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	26.4	25.0	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
>C12-C28	166	25.0	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		89.6 %	70-130		P1C2412	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		85.6 %	70-130		P1C2412	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	193	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

BH-8 @ 3'
1C22021-33 (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	0.00975	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Toluene	0.0822	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Ethylbenzene	0.0512	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (p/m)	0.0192	0.00200	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (o)	0.0423	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		112 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	2.76	1.00	mg/kg dry	1	P1C2905	03/29/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	26.8	25.0	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
>C12-C28	192	25.0	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
>C28-C35	25.9	25.0	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		97.3 %	70-130		P1C2412	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		81.2 %	70-130		P1C2412	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	245	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

BH-9 @ 4'
1C22021-34 (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	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Toluene	0.00387	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Ethylbenzene	0.00874	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (p/m)	0.00588	0.00200	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (o)	0.00486	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		108 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		110 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	4.45	1.00	mg/kg dry	1	P1C2905	03/29/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
>C12-C28	243	25.0	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
>C28-C35	36.6	25.0	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
Surrogate: 1-Chlorooctane		93.5 %	70-130		P1C2412	03/24/21	03/26/21	TPH 8015M	
Surrogate: o-Terphenyl		94.4 %	70-130		P1C2412	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	279	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

BH-10 @ 4'
1C22021-35 (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	0.0142	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Toluene	0.0688	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Ethylbenzene	0.0268	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (p/m)	0.00575	0.00200	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (o)	0.0148	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		108 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		103 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1C2905	03/29/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
>C12-C28	141	25.0	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		91.7 %	70-130		P1C2412	03/24/21	03/26/21	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		66.5 %	70-130		P1C2412	03/24/21	03/26/21	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	141	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

BH-11 @ 4'
1C22021-36 (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	0.00352	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Toluene	0.0554	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Ethylbenzene	0.0997	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (p/m)	0.0756	0.00200	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (o)	0.0990	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.8 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		112 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	13.9	1.00	mg/kg dry	1	P1C2905	03/29/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	41.1	25.0	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
>C12-C28	415	25.0	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
>C28-C35	50.5	25.0	mg/kg dry	1	P1C2412	03/24/21	03/26/21	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		86.9 %	70-130		P1C2412	03/24/21	03/26/21	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		71.6 %	70-130		P1C2412	03/24/21	03/26/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	506	25.0	mg/kg dry	1	[CALC]	03/24/21	03/26/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

BH-12 @ 4'
1C22021-37 (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	0.00232	0.00101	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Toluene	0.0304	0.00101	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Ethylbenzene	0.0244	0.00101	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (p/m)	0.0141	0.00202	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (o)	0.0282	0.00101	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.0 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		109 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	18.9	1.01	mg/kg dry	1	P1C2905	03/29/21	03/30/21	EPA 300.0	
% Moisture	1.0	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	64.5	25.3	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
>C12-C28	889	25.3	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
>C28-C35	133	25.3	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		90.0 %	70-130		P1C2412	03/24/21	03/27/21	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		82.2 %	70-130		P1C2412	03/24/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	1090	25.3	mg/kg dry	1	[CALC]	03/24/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

BH-13 @ 3'
1C22021-38 (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	0.00137	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Toluene	0.0204	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Ethylbenzene	0.00390	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (o)	0.0541	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.8 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	57.1	1.00	mg/kg dry	1	P1C2905	03/29/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
>C12-C28	349	25.0	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
>C28-C35	48.4	25.0	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		94.2 %	70-130		P1C2412	03/24/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		83.0 %	70-130		P1C2412	03/24/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	397	25.0	mg/kg dry	1	[CALC]	03/24/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

BH-14 @ 2'
1C22021-39 (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	0.0107	0.00102	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Toluene	0.0300	0.00102	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Ethylbenzene	0.00749	0.00102	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (p/m)	0.00733	0.00204	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (o)	0.0199	0.00102	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		110 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	39.8	1.02	mg/kg dry	1	P1C2905	03/29/21	03/30/21	EPA 300.0	
% Moisture	2.0	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	56.2	25.5	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
>C12-C28	700	25.5	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
>C28-C35	94.9	25.5	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		94.6 %	70-130		P1C2412	03/24/21	03/27/21	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		96.8 %	70-130		P1C2412	03/24/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	851	25.5	mg/kg dry	1	[CALC]	03/24/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

BH-15 @ 4'
1C22021-40 (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	0.00449	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Toluene	0.0457	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Ethylbenzene	0.0815	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (p/m)	0.0868	0.00200	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
Xylene (o)	0.0469	0.00100	mg/kg dry	1	P1C2611	03/26/21	03/29/21	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		113 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		89.1 %	80-120		P1C2611	03/26/21	03/29/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	130	1.00	mg/kg dry	1	P1C2905	03/29/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
>C12-C28	446	25.0	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
>C28-C35	62.3	25.0	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		90.6 %	70-130		P1C2412	03/24/21	03/27/21	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		74.5 %	70-130		P1C2412	03/24/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	508	25.0	mg/kg dry	1	[CALC]	03/24/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

W Stockpile 1
1C22021-41 (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	0.00218	0.00100	mg/kg dry	1	P1C2614	03/26/21	03/31/21	EPA 8021B	
Toluene	0.736	0.0200	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
Ethylbenzene	1.32	0.0200	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
Xylene (p/m)	1.56	0.0400	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
Xylene (o)	0.635	0.0200	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		87.4 %	80-120		P1C2614	03/26/21	04/03/21	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		98.2 %	80-120		P1C2614	03/26/21	04/03/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	9.68	1.00	mg/kg dry	1	P1C2905	03/29/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	47.1	25.0	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
>C12-C28	237	25.0	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
>C28-C35	32.8	25.0	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		91.8 %	70-130		P1C2412	03/24/21	03/27/21	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		56.7 %	70-130		P1C2412	03/24/21	03/27/21	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	317	25.0	mg/kg dry	1	[CALC]	03/24/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

W Stockpile 2
1C22021-42 (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	0.00420	0.00100	mg/kg dry	1	P1C2614	03/26/21	03/31/21	EPA 8021B	
Toluene	1.29	0.0200	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
Ethylbenzene	1.67	0.0200	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
Xylene (p/m)	1.75	0.0400	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
Xylene (o)	0.660	0.0200	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		90.1 %	80-120		P1C2614	03/26/21	04/03/21	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		99.2 %	80-120		P1C2614	03/26/21	04/03/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	8.06	1.00	mg/kg dry	1	P1C2905	03/29/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	34.0	25.0	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
>C12-C28	191	25.0	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
>C28-C35	26.6	25.0	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		89.9 %	70-130		P1C2412	03/24/21	03/27/21	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		60.9 %	70-130		P1C2412	03/24/21	03/27/21	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	252	25.0	mg/kg dry	1	[CALC]	03/24/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

W Stockpile 3
1C22021-43 (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	0.00348	0.00100	mg/kg dry	1	P1C2614	03/26/21	03/31/21	EPA 8021B	
Toluene	0.202	0.0200	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
Ethylbenzene	0.327	0.0200	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
Xylene (p/m)	0.525	0.0400	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
Xylene (o)	0.145	0.0200	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		91.5 %	80-120		P1C2614	03/26/21	04/03/21	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		99.9 %	80-120		P1C2614	03/26/21	04/03/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	16.2	1.00	mg/kg dry	1	P1C2905	03/29/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
>C12-C28	125	25.0	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		88.5 %	70-130		P1C2412	03/24/21	03/27/21	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		54.4 %	70-130		P1C2412	03/24/21	03/27/21	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	125	25.0	mg/kg dry	1	[CALC]	03/24/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

W Stockpile 4
1C22021-44 (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	0.00100	mg/kg dry	1	P1C2614	03/26/21	03/31/21	EPA 8021B	
Toluene	1.47	0.0200	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
Ethylbenzene	0.537	0.0200	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
Xylene (p/m)	0.636	0.0400	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
Xylene (o)	0.156	0.0200	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		93.8 %	80-120		P1C2614	03/26/21	04/03/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	80-120		P1C2614	03/26/21	04/03/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	24.4	1.00	mg/kg dry	1	P1C2905	03/29/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	27.4	25.0	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
>C12-C28	209	25.0	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
>C28-C35	27.6	25.0	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		87.5 %	70-130		P1C2412	03/24/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		57.5 %	70-130		P1C2412	03/24/21	03/27/21	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	264	25.0	mg/kg dry	1	[CALC]	03/24/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

W Stockpile 5
1C22021-45 (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	0.00100	mg/kg dry	1	P1C2614	03/26/21	03/31/21	EPA 8021B	
Toluene	0.171	0.0200	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
Ethylbenzene	0.889	0.0200	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
Xylene (p/m)	1.44	0.0400	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
Xylene (o)	0.661	0.0200	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		107 %	80-120		P1C2614	03/26/21	04/03/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	80-120		P1C2614	03/26/21	04/03/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1.18	1.00	mg/kg dry	1	P1C2905	03/29/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	127	25.0	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
>C12-C28	1240	25.0	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
>C28-C35	161	25.0	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		96.9 %	70-130		P1C2412	03/24/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		85.7 %	70-130		P1C2412	03/24/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	1520	25.0	mg/kg dry	1	[CALC]	03/24/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

W Stockpile 6
1C22021-46 (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	0.00100	mg/kg dry	1	P1C2614	03/26/21	03/31/21	EPA 8021B	
Toluene	0.706	0.0200	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
Ethylbenzene	1.80	0.0200	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
Xylene (p/m)	2.02	0.0400	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
Xylene (o)	1.01	0.0200	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	80-120		P1C2614	03/26/21	04/03/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		P1C2614	03/26/21	04/03/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1.28	1.00	mg/kg dry	1	P1C2905	03/29/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	119	25.0	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
>C12-C28	896	25.0	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
>C28-C35	130	25.0	mg/kg dry	1	P1C2412	03/24/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		97.6 %	70-130		P1C2412	03/24/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		84.8 %	70-130		P1C2412	03/24/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	1150	25.0	mg/kg dry	1	[CALC]	03/24/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

W Stockpile 7
1C22021-47 (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	0.00100	mg/kg dry	1	P1C2614	03/26/21	03/31/21	EPA 8021B	
Toluene	0.0635	0.00100	mg/kg dry	1	P1C2614	03/26/21	03/31/21	EPA 8021B	
Ethylbenzene	0.106	0.00100	mg/kg dry	1	P1C2614	03/26/21	03/31/21	EPA 8021B	
Xylene (p/m)	0.118	0.00200	mg/kg dry	1	P1C2614	03/26/21	03/31/21	EPA 8021B	
Xylene (o)	0.0682	0.00100	mg/kg dry	1	P1C2614	03/26/21	03/31/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		111 %	80-120		P1C2614	03/26/21	03/31/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		79.6 %	80-120		P1C2614	03/26/21	03/31/21	EPA 8021B	S-GC

General Chemistry Parameters by EPA / Standard Methods

Chloride	8.49	1.00	mg/kg dry	1	P1C2905	03/29/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	59.4	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C12-C28	608	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C28-C35	89.2	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		77.7 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		68.5 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	757	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

East Stockpile 1
1C22021-48 (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	0.00163	0.00100	mg/kg dry	1	P1C2614	03/26/21	03/31/21	EPA 8021B	
Toluene	0.880	0.0200	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
Ethylbenzene	2.11	0.0200	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
Xylene (p/m)	2.37	0.0400	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
Xylene (o)	1.34	0.0200	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		85.1 %		80-120	P1C2614	03/26/21	04/03/21	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		103 %		80-120	P1C2614	03/26/21	04/03/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	88.3	1.00	mg/kg dry	1	P1C2905	03/29/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	261	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C12-C28	2150	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C28-C35	300	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		102 %		70-130	P1C2506	03/25/21	03/27/21	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		102 %		70-130	P1C2506	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	2720	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

East Stockpile 2
1C22021-49 (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	0.0398	0.00100	mg/kg dry	1	P1C2614	03/26/21	03/31/21	EPA 8021B	
Toluene	2.32	0.0200	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
Ethylbenzene	1.36	0.0200	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
Xylene (p/m)	1.34	0.0400	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
Xylene (o)	0.343	0.0200	mg/kg dry	20	P1C2614	03/26/21	04/03/21	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		103 %	80-120		P1C2614	03/26/21	04/03/21	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		99.1 %	80-120		P1C2614	03/26/21	04/03/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	142	1.00	mg/kg dry	1	P1C2905	03/29/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	34.7	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C12-C28	1270	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C28-C35	180	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		78.3 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		51.9 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	1480	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

East Stockpile 3
1C22021-50 (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	P1C2614	03/26/21	03/31/21	EPA 8021B	
Toluene	0.0746	0.00101	mg/kg dry	1	P1C2614	03/26/21	03/31/21	EPA 8021B	
Ethylbenzene	0.170	0.00101	mg/kg dry	1	P1C2614	03/26/21	03/31/21	EPA 8021B	
Xylene (p/m)	0.149	0.00202	mg/kg dry	1	P1C2614	03/26/21	03/31/21	EPA 8021B	
Xylene (o)	0.0998	0.00101	mg/kg dry	1	P1C2614	03/26/21	03/31/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		70.0 %	80-120		P1C2614	03/26/21	03/31/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		116 %	80-120		P1C2614	03/26/21	03/31/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	131	1.01	mg/kg dry	1	P1C2905	03/29/21	03/30/21	EPA 300.0	
% Moisture	1.0	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	225	25.3	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C12-C28	2710	25.3	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C28-C35	392	25.3	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		109 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		125 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	3330	25.3	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

NSW-1
1C22021-51 (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	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Toluene	0.00565	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	0.00450	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	0.00707	0.00200	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.00335	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		108 %	80-120		P1C2614	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.5 %	80-120		P1C2614	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	439	1.00	mg/kg dry	1	P1C2905	03/29/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C12-C28	158	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C28-C35	40.4	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		78.6 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		59.1 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	198	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

NSW-2
1C22021-52 (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	0.00302	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Toluene	0.0543	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	0.0619	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	0.0702	0.00200	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.0387	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.4 %	80-120		P1C2614	03/26/21	04/01/21	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		112 %	80-120		P1C2614	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	2.81	1.00	mg/kg dry	1	P1C2903	03/29/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	27.2	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C12-C28	325	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C28-C35	45.7	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		80.9 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		64.8 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	398	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

NSW-3
1C22021-53 (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	P1C2614	03/26/21	04/01/21	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		P1C2614	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		112 %	80-120		P1C2614	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	69.3	1.03	mg/kg dry	1	P1C2903	03/29/21	03/30/21	EPA 300.0	
% Moisture	3.0	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		83.9 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		87.7 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

NSW-4
1C22021-54 (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	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Toluene	0.0119	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	0.00981	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	0.0112	0.00200	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.00501	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		112 %	80-120		P1C2614	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	80-120		P1C2614	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	11.7	1.00	mg/kg dry	1	P1C2903	03/29/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C12-C28	47.4	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		86.6 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		82.8 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	47.4	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

NSW-5
1C22021-55 (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	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Toluene	0.00565	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	0.00606	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	0.00715	0.00200	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.00572	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	80-120		P1C2614	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		111 %	80-120		P1C2614	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	68.5	1.00	mg/kg dry	1	P1C2903	03/29/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	35.3	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C12-C28	738	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C28-C35	95.0	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		97.4 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		91.4 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	868	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

NSW-6
1C22021-56 (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	0.00236	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/03/21	EPA 8021B	
Toluene	0.00106	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/03/21	EPA 8021B	
Ethylbenzene	0.00435	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/03/21	EPA 8021B	
Xylene (p/m)	0.0105	0.00200	mg/kg dry	1	P1C2614	03/26/21	04/03/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/03/21	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.9 %	80-120		P1C2614	03/26/21	04/03/21	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		102 %	80-120		P1C2614	03/26/21	04/03/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	23.6	1.00	mg/kg dry	1	P1C2903	03/29/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C12-C28	52.8	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		85.8 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		72.5 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	52.8	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

ESW-1
1C22021-57 (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	0.00178	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Toluene	0.0137	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	0.0141	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	0.0220	0.00200	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.0105	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		106 %	80-120		P1C2614	03/26/21	04/01/21	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.8 %	80-120		P1C2614	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	350	1.00	mg/kg dry	1	P1C2903	03/29/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C12-C28	495	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C28-C35	77.0	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		91.1 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		81.3 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	572	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

ESW-2
1C22021-58 (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	0.00118	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/03/21	EPA 8021B	
Toluene	0.00596	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/03/21	EPA 8021B	
Ethylbenzene	0.00210	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/03/21	EPA 8021B	
Xylene (p/m)	0.00441	0.00200	mg/kg dry	1	P1C2614	03/26/21	04/03/21	EPA 8021B	
Xylene (o)	0.00312	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/03/21	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.4 %	80-120		P1C2614	03/26/21	04/03/21	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		103 %	80-120		P1C2614	03/26/21	04/03/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	60.5	1.00	mg/kg dry	1	P1C2903	03/29/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C12-C28	104	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		96.5 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		97.1 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	104	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

ESW-3
1C22021-59 (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	P1C2614	03/26/21	04/01/21	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		111 %	80-120		P1C2614	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		112 %	80-120		P1C2614	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	81.1	1.01	mg/kg dry	1	P1C2903	03/29/21	03/30/21	EPA 300.0	
% Moisture	1.0	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		72.5 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		76.6 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

ESW-4
1C22021-60 (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	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Toluene	0.00451	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	0.00525	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	0.00690	0.00200	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.00284	0.00100	mg/kg dry	1	P1C2614	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		110 %	80-120		P1C2614	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	80-120		P1C2614	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	11.2	1.00	mg/kg dry	1	P1C3002	03/30/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		87.0 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		73.2 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

ESW-5
1C22021-61 (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	0.00118	0.00101	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Toluene	0.0122	0.00101	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	0.0135	0.00101	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	0.0221	0.00202	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.0178	0.00101	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.7 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		114 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	12.0	1.01	mg/kg dry	1	P1C3002	03/30/21	03/30/21	EPA 300.0	
% Moisture	1.0	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	159	25.3	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C12-C28	2540	25.3	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C28-C35	446	25.3	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		110 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		101 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	3150	25.3	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

ESW-6
1C22021-62 (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	0.00174	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Toluene	0.00760	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	0.00850	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	0.00835	0.00200	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.0129	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		108 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.7 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	21.7	1.00	mg/kg dry	1	P1C3002	03/30/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C12-C28	38.0	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		90.9 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		90.2 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	38.0	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

ESW-7
1C22021-63 (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	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Toluene	0.00563	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	0.00608	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	0.00777	0.00200	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.00284	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		113 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	3.31	1.00	mg/kg dry	1	P1C3002	03/30/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		89.9 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		73.6 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

ESW-8
1C22021-64 (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	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Toluene	0.00516	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	0.00658	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	0.00612	0.00200	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.00632	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	7.25	1.00	mg/kg dry	1	P1C3002	03/30/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C12-C28	171	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C28-C35	33.0	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		92.7 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		93.8 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	204	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

ESW-9
1C22021-65 (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	0.00841	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Toluene	0.0367	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	0.0231	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	0.0214	0.00200	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.00847	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		<i>107 %</i>	<i>80-120</i>		<i>P1C2615</i>	<i>03/26/21</i>	<i>04/01/21</i>	<i>EPA 8021B</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>106 %</i>	<i>80-120</i>		<i>P1C2615</i>	<i>03/26/21</i>	<i>04/01/21</i>	<i>EPA 8021B</i>	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5.32	1.00	mg/kg dry	1	P1C3002	03/30/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C12-C28	50.1	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		<i>92.6 %</i>	<i>70-130</i>		<i>P1C2506</i>	<i>03/25/21</i>	<i>03/27/21</i>	<i>TPH 8015M</i>	
<i>Surrogate: o-Terphenyl</i>		<i>75.4 %</i>	<i>70-130</i>		<i>P1C2506</i>	<i>03/25/21</i>	<i>03/27/21</i>	<i>TPH 8015M</i>	
Total Petroleum Hydrocarbon C6-C35	50.1	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

ESW-10
1C22021-66 (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	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Toluene	0.00191	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	0.00465	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	0.00658	0.00200	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.00393	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		97.4 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	48.7	1.00	mg/kg dry	1	P1C3002	03/30/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2506	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		91.8 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		93.2 %	70-130		P1C2506	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

ESW-11
1C22021-67 (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	P1C2615	03/26/21	04/01/21	EPA 8021B	
Toluene	0.00310	0.00101	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	0.00887	0.00101	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	0.0122	0.00202	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.00533	0.00101	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		110 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.01	mg/kg dry	1	P1C3002	03/30/21	03/31/21	EPA 300.0	
% Moisture	1.0	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C12-C28	85.0	25.3	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		84.4 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		83.2 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	85.0	25.3	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

ESW-12
1C22021-68 (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	0.00144	0.00102	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Toluene	0.109	0.00102	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	0.175	0.00102	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	0.147	0.00204	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.115	0.00102	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		<i>116 %</i>	<i>80-120</i>		<i>P1C2615</i>	<i>03/26/21</i>	<i>04/01/21</i>	<i>EPA 8021B</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>81.4 %</i>	<i>80-120</i>		<i>P1C2615</i>	<i>03/26/21</i>	<i>04/01/21</i>	<i>EPA 8021B</i>	

General Chemistry Parameters by EPA / Standard Methods

Chloride	28.0	1.02	mg/kg dry	1	P1C3002	03/30/21	03/31/21	EPA 300.0	
% Moisture	2.0	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	145	25.5	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C12-C28	1630	25.5	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C28-C35	191	25.5	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		<i>98.5 %</i>	<i>70-130</i>		<i>P1C2507</i>	<i>03/25/21</i>	<i>03/27/21</i>	<i>TPH 8015M</i>	
<i>Surrogate: o-Terphenyl</i>		<i>92.2 %</i>	<i>70-130</i>		<i>P1C2507</i>	<i>03/25/21</i>	<i>03/27/21</i>	<i>TPH 8015M</i>	
Total Petroleum Hydrocarbon C6-C35	1960	25.5	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SSW-1
1C22021-69 (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	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Toluene	0.00201	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	0.00420	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	0.00299	0.00200	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.00522	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		112 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	146	1.00	mg/kg dry	1	P1C3002	03/30/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C12-C28	247	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C28-C35	35.2	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		91.1 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		93.4 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	282	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SSW-2
1C22021-70 (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	P1C2615	03/26/21	04/01/21	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		115 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		112 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	289	1.01	mg/kg dry	1	P1C3002	03/30/21	03/31/21	EPA 300.0	
% Moisture	1.0	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		95.6 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		101 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

NP-7

1C22022-01 (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	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Toluene	0.00125	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	0.00114	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.00734	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5.47	1.00	mg/kg dry	1	P1C3002	03/30/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	41.4	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C12-C28	1650	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C28-C35	235	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		96.1 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		96.5 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	1930	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

NP-8
1C22022-02 (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	0.00101	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Toluene	0.00322	0.00101	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	0.00643	0.00101	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	0.00904	0.00202	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.0247	0.00101	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	7.59	1.01	mg/kg dry	1	P1C3002	03/30/21	03/31/21	EPA 300.0	
% Moisture	1.0	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	79.2	25.3	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C12-C28	2430	25.3	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C28-C35	312	25.3	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		103 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		101 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	2820	25.3	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

NP-9
1C22022-03 (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	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Toluene	0.00305	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	0.00434	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	0.00735	0.00200	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.0382	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		111 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		107 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	4.94	1.00	mg/kg dry	1	P1C3002	03/30/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2306	03/23/21	03/23/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	40.8	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C12-C28	1600	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C28-C35	220	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		82.8 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		80.2 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	1860	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

EP-1
1C22022-04 (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	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Toluene	0.00233	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	0.0207	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	0.107	0.00200	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.0872	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		110 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		87.9 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	14.9	1.00	mg/kg dry	1	P1C3002	03/30/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	112	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C12-C28	1480	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C28-C35	181	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		107 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		101 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	1780	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

PS-1
1C22022-05 (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	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		112 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1C3002	03/30/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		96.7 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		103 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

PS2
1C22022-06 (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	0.00101	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.8 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		110 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.01	mg/kg dry	1	P1C3002	03/30/21	03/31/21	EPA 300.0	
% Moisture	1.0	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C12-C28	43.6	25.3	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		99.7 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		106 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	43.6	25.3	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

PS-3
1C22022-07 (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	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		94.1 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		106 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1C3002	03/30/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		100 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		106 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

PS-4

1C22022-08 (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	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	0.00240	0.00200	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.00223	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1C3002	03/30/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C12-C28	86.4	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		101 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		104 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	86.4	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

PS-5
1C22022-09 (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	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Toluene	0.00118	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	0.00136	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	0.00684	0.00200	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.00548	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		96.6 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1C3002	03/30/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C12-C28	68.6	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		99.9 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		99.7 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	68.6	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

PS-6
1C22022-10 (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	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		110 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.0 %	80-120		P1C2615	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1C3003	03/30/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		101 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		100 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

WSW-7
1C22022-11 (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	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Toluene	0.0636	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	0.155	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	0.0819	0.00200	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.122	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		104 %	80-120		P1C2616	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		90.6 %	80-120		P1C2616	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	3.34	1.00	mg/kg dry	1	P1C3003	03/30/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C12-C28	220	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C28-C35	25.4	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		103 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		83.7 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	245	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

WSW-8
1C22022-12 (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	0.00291	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Toluene	0.0799	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	0.0791	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	0.0415	0.00200	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.0562	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		103 %	80-120		P1C2616	03/26/21	04/01/21	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.0 %	80-120		P1C2616	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1C3003	03/30/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C12-C28	351	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C28-C35	40.1	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		95.8 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		64.4 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	391	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

WSW-9
1C22022-13 (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	0.00558	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Toluene	0.158	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	0.145	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	0.201	0.00200	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.152	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		<i>110 %</i>	<i>80-120</i>		<i>P1C2616</i>	<i>03/26/21</i>	<i>04/01/21</i>	<i>EPA 8021B</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>81.3 %</i>	<i>80-120</i>		<i>P1C2616</i>	<i>03/26/21</i>	<i>04/01/21</i>	<i>EPA 8021B</i>	

General Chemistry Parameters by EPA / Standard Methods

Chloride	88.4	1.00	mg/kg dry	1	P1C3003	03/30/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	134	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C12-C28	551	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C28-C35	63.5	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		<i>112 %</i>	<i>70-130</i>		<i>P1C2507</i>	<i>03/25/21</i>	<i>03/27/21</i>	<i>TPH 8015M</i>	
<i>Surrogate: o-Terphenyl</i>		<i>94.4 %</i>	<i>70-130</i>		<i>P1C2507</i>	<i>03/25/21</i>	<i>03/27/21</i>	<i>TPH 8015M</i>	
Total Petroleum Hydrocarbon C6-C35	748	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

WSW-10
1C22022-14 (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	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Toluene	0.0169	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	0.0569	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	0.0582	0.00200	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.0365	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1C2616	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		90.2 %	80-120		P1C2616	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	40.4	1.00	mg/kg dry	1	P1C3003	03/30/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	31.2	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C12-C28	105	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		99.0 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		93.1 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	136	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

NP-1

1C22022-15 (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	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		87.5 %	80-120		P1C2616	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		111 %	80-120		P1C2616	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1C3003	03/30/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		97.6 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		101 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

NP-2
1C22022-16 (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	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		P1C2616	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		108 %	80-120		P1C2616	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1C3003	03/30/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		95.0 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		96.5 %	70-130		P1C2507	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

NP-3
1C22022-17 (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	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1C2616	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	80-120		P1C2616	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1C3003	03/30/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
>C12-C28	126	25.0	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		90.4 %	70-130		P1C2508	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		89.7 %	70-130		P1C2508	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	126	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

NP-4

1C22022-18 (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	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Toluene	0.00158	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	0.00551	0.00200	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.0121	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	80-120		P1C2616	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		111 %	80-120		P1C2616	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1C3003	03/30/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
>C12-C28	120	25.0	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		96.3 %	70-130		P1C2508	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		93.0 %	70-130		P1C2508	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	120	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

NP-5
1C22022-19 (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	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		P1C2616	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1C2616	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1C3003	03/30/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		98.1 %	70-130		P1C2508	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		105 %	70-130		P1C2508	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

NP-6
1C22022-20 (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	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.00504	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		P1C2616	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		108 %	80-120		P1C2616	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1C3003	03/30/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
>C12-C28	186	25.0	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		97.8 %	70-130		P1C2508	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		91.4 %	70-130		P1C2508	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	186	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SSW-3
1C22022-21 (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	P1C2616	03/26/21	04/01/21	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		108 %	80-120		P1C2616	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		P1C2616	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	18.6	1.02	mg/kg dry	1	P1C3003	03/30/21	03/31/21	EPA 300.0	
% Moisture	2.0	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		98.9 %	70-130		P1C2508	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		106 %	70-130		P1C2508	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SSW-4
1C22022-22 (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	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	80-120		P1C2616	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		108 %	80-120		P1C2616	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	3.59	1.00	mg/kg dry	1	P1C3003	03/30/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		102 %	70-130		P1C2508	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-130		P1C2508	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SSW-5
1C22022-23 (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	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Toluene	0.00309	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Ethylbenzene	0.00437	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Xylene (p/m)	0.00526	0.00200	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Xylene (o)	0.00288	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/01/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	80-120		P1C2616	03/26/21	04/01/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		110 %	80-120		P1C2616	03/26/21	04/01/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	10.4	1.00	mg/kg dry	1	P1C3003	03/30/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	40.0	25.0	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
>C12-C28	619	25.0	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
>C28-C35	81.2	25.0	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		101 %	70-130		P1C2508	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		97.5 %	70-130		P1C2508	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	740	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SSW-6
1C22022-24 (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	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		112 %	80-120		P1C2616	03/26/21	04/02/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	80-120		P1C2616	03/26/21	04/02/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	170	1.00	mg/kg dry	1	P1C3003	03/30/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
>C12-C28	530	25.0	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
>C28-C35	76.2	25.0	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		100 %	70-130		P1C2508	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		107 %	70-130		P1C2508	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	606	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

WSW-1
1C22022-25 (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	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Toluene	0.00156	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Xylene (o)	0.00649	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		110 %	80-120		P1C2616	03/26/21	04/02/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1C2616	03/26/21	04/02/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	329	1.00	mg/kg dry	1	P1C3003	03/30/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
>C12-C28	587	25.0	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
>C28-C35	68.2	25.0	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		103 %	70-130		P1C2508	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		95.6 %	70-130		P1C2508	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	655	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

WSW-2
1C22022-26 (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	0.00176	0.00101	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Toluene	0.0117	0.00101	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Ethylbenzene	0.00561	0.00101	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Xylene (p/m)	0.0127	0.00202	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Xylene (o)	0.00535	0.00101	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		111 %	80-120		P1C2616	03/26/21	04/02/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	80-120		P1C2616	03/26/21	04/02/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	2.62	1.01	mg/kg dry	1	P1C3003	03/30/21	03/31/21	EPA 300.0	
% Moisture	1.0	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		97.0 %	70-130		P1C2508	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		83.6 %	70-130		P1C2508	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

WSW-3
1C22022-27 (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	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Toluene	0.00317	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Ethylbenzene	0.00466	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Xylene (p/m)	0.00664	0.00200	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Xylene (o)	0.00522	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	80-120		P1C2616	03/26/21	04/02/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		111 %	80-120		P1C2616	03/26/21	04/02/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	6.98	1.00	mg/kg dry	1	P1C3003	03/30/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/27/21	TPH 8015M	
Surrogate: 1-Chlorooctane		91.6 %	70-130		P1C2508	03/25/21	03/27/21	TPH 8015M	
Surrogate: o-Terphenyl		91.6 %	70-130		P1C2508	03/25/21	03/27/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	03/25/21	03/27/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

WSW-4
1C22022-28 (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	0.00124	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Toluene	0.00869	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Ethylbenzene	0.00683	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Xylene (p/m)	0.00597	0.00200	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Xylene (o)	0.0264	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.9 %	80-120		P1C2616	03/26/21	04/02/21	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		109 %	80-120		P1C2616	03/26/21	04/02/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	21.0	1.00	mg/kg dry	1	P1C3003	03/30/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	27.3	25.0	mg/kg dry	1	P1C2508	03/25/21	03/28/21	TPH 8015M	
>C12-C28	192	25.0	mg/kg dry	1	P1C2508	03/25/21	03/28/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/28/21	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		89.3 %	70-130		P1C2508	03/25/21	03/28/21	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		66.8 %	70-130		P1C2508	03/25/21	03/28/21	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	220	25.0	mg/kg dry	1	[CALC]	03/25/21	03/28/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

WSW-5
1C22022-29 (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	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Toluene	0.0827	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Xylene (p/m)	0.102	0.00200	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Xylene (o)	0.153	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		84.1 %	80-120		P1C2616	03/26/21	04/02/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		107 %	80-120		P1C2616	03/26/21	04/02/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	25.7	1.00	mg/kg dry	1	P1C3003	03/30/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	73.1	25.0	mg/kg dry	1	P1C2508	03/25/21	03/28/21	TPH 8015M	
>C12-C28	352	25.0	mg/kg dry	1	P1C2508	03/25/21	03/28/21	TPH 8015M	
>C28-C35	38.6	25.0	mg/kg dry	1	P1C2508	03/25/21	03/28/21	TPH 8015M	
Surrogate: 1-Chlorooctane		92.6 %	70-130		P1C2508	03/25/21	03/28/21	TPH 8015M	
Surrogate: o-Terphenyl		66.6 %	70-130		P1C2508	03/25/21	03/28/21	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	464	25.0	mg/kg dry	1	[CALC]	03/25/21	03/28/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

WSW-6
1C22022-30 (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	0.00470	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Toluene	0.0849	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Ethylbenzene	0.0962	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Xylene (p/m)	0.0302	0.00200	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
Xylene (o)	0.111	0.00100	mg/kg dry	1	P1C2616	03/26/21	04/02/21	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		89.8 %	80-120		P1C2616	03/26/21	04/02/21	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		112 %	80-120		P1C2616	03/26/21	04/02/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	15.9	1.00	mg/kg dry	1	P1C3004	03/30/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/28/21	TPH 8015M	
>C12-C28	259	25.0	mg/kg dry	1	P1C2508	03/25/21	03/28/21	TPH 8015M	
>C28-C35	29.8	25.0	mg/kg dry	1	P1C2508	03/25/21	03/28/21	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		75.6 %	70-130		P1C2508	03/25/21	03/28/21	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		55.2 %	70-130		P1C2508	03/25/21	03/28/21	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	289	25.0	mg/kg dry	1	[CALC]	03/25/21	03/28/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

PS-7

1C22022-31 (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	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Toluene	0.00136	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Ethylbenzene	0.00117	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (p/m)	0.00297	0.00200	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (o)	0.00460	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		111 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		109 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	9.95	1.00	mg/kg dry	1	P1C3004	03/30/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/28/21	TPH 8015M	
>C12-C28	294	25.0	mg/kg dry	1	P1C2508	03/25/21	03/28/21	TPH 8015M	
>C28-C35	37.9	25.0	mg/kg dry	1	P1C2508	03/25/21	03/28/21	TPH 8015M	
Surrogate: 1-Chlorooctane		87.3 %	70-130		P1C2508	03/25/21	03/28/21	TPH 8015M	
Surrogate: o-Terphenyl		84.7 %	70-130		P1C2508	03/25/21	03/28/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	332	25.0	mg/kg dry	1	[CALC]	03/25/21	03/28/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

PS-8
1C22022-32 (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	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Toluene	0.00248	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Ethylbenzene	0.00343	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (p/m)	0.0110	0.00200	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (o)	0.0214	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		84.8 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	10.6	1.00	mg/kg dry	1	P1C3004	03/30/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	32.8	25.0	mg/kg dry	1	P1C2508	03/25/21	03/28/21	TPH 8015M	
>C12-C28	498	25.0	mg/kg dry	1	P1C2508	03/25/21	03/28/21	TPH 8015M	
>C28-C35	58.9	25.0	mg/kg dry	1	P1C2508	03/25/21	03/28/21	TPH 8015M	
Surrogate: 1-Chlorooctane		91.3 %	70-130		P1C2508	03/25/21	03/28/21	TPH 8015M	
Surrogate: o-Terphenyl		95.9 %	70-130		P1C2508	03/25/21	03/28/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	590	25.0	mg/kg dry	1	[CALC]	03/25/21	03/28/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

PS-9
1C22022-33 (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	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Toluene	0.00302	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Ethylbenzene	0.00533	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (p/m)	0.0218	0.00200	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (o)	0.0457	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		113 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		84.1 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	10.9	1.00	mg/kg dry	1	P1C3004	03/30/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	34.9	25.0	mg/kg dry	1	P1C2508	03/25/21	03/28/21	TPH 8015M	
>C12-C28	588	25.0	mg/kg dry	1	P1C2508	03/25/21	03/28/21	TPH 8015M	
>C28-C35	68.8	25.0	mg/kg dry	1	P1C2508	03/25/21	03/28/21	TPH 8015M	
Surrogate: 1-Chlorooctane		94.6 %	70-130		P1C2508	03/25/21	03/28/21	TPH 8015M	
Surrogate: o-Terphenyl		93.2 %	70-130		P1C2508	03/25/21	03/28/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	692	25.0	mg/kg dry	1	[CALC]	03/25/21	03/28/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

WP-1
1C22022-34 (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	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	7.94	1.00	mg/kg dry	1	P1C3004	03/30/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/28/21	TPH 8015M	
>C12-C28	25.2	25.0	mg/kg dry	1	P1C2508	03/25/21	03/28/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/28/21	TPH 8015M	
Surrogate: 1-Chlorooctane		110 %	70-130		P1C2508	03/25/21	03/28/21	TPH 8015M	
Surrogate: o-Terphenyl		111 %	70-130		P1C2508	03/25/21	03/28/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	25.2	25.0	mg/kg dry	1	[CALC]	03/25/21	03/28/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

WP-2
1C22022-35 (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	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		110 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	9.03	1.00	mg/kg dry	1	P1C3004	03/30/21	03/30/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/28/21	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/28/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/28/21	TPH 8015M	
Surrogate: 1-Chlorooctane		85.7 %	70-130		P1C2508	03/25/21	03/28/21	TPH 8015M	
Surrogate: o-Terphenyl		90.2 %	70-130		P1C2508	03/25/21	03/28/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	03/25/21	03/28/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

WP-3
1C22022-36 (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	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		113 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1C3103	03/31/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/28/21	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/28/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2508	03/25/21	03/28/21	TPH 8015M	
Surrogate: 1-Chlorooctane		88.8 %	70-130		P1C2508	03/25/21	03/28/21	TPH 8015M	
Surrogate: o-Terphenyl		96.1 %	70-130		P1C2508	03/25/21	03/28/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	03/25/21	03/28/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

WP-4
1C22022-37 (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	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		111 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1C3103	03/31/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
Surrogate: 1-Chlorooctane		75.0 %	70-130		P1C2513	03/25/21	03/28/21	TPH 8015M	
Surrogate: o-Terphenyl		80.5 %	70-130		P1C2513	03/25/21	03/28/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	03/25/21	03/28/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

WP-5
1C22022-38 (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	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1C3103	03/31/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
Surrogate: 1-Chlorooctane		100 %	70-130		P1C2513	03/25/21	03/28/21	TPH 8015M	
Surrogate: o-Terphenyl		105 %	70-130		P1C2513	03/25/21	03/28/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	03/25/21	03/28/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

WP-6
1C22022-39 (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	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		100 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		110 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1C3103	03/31/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
Surrogate: 1-Chlorooctane		86.4 %	70-130		P1C2513	03/25/21	03/28/21	TPH 8015M	
Surrogate: o-Terphenyl		90.5 %	70-130		P1C2513	03/25/21	03/28/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	03/25/21	03/28/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

WP-7
1C22022-40 (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	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1C3103	03/31/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
Surrogate: 1-Chlorooctane		95.1 %	70-130		P1C2513	03/25/21	03/28/21	TPH 8015M	
Surrogate: o-Terphenyl		97.2 %	70-130		P1C2513	03/25/21	03/28/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	03/25/21	03/28/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

WP-8
1C22022-41 (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	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		93.7 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		110 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1C3103	03/31/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
Surrogate: 1-Chlorooctane		101 %	70-130		P1C2513	03/25/21	03/28/21	TPH 8015M	
Surrogate: o-Terphenyl		107 %	70-130		P1C2513	03/25/21	03/28/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	03/25/21	03/28/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

WP-9
1C22022-42 (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	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		116 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		81.4 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1C3103	03/31/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
Surrogate: 1-Chlorooctane		102 %	70-130		P1C2513	03/25/21	03/28/21	TPH 8015M	
Surrogate: o-Terphenyl		103 %	70-130		P1C2513	03/25/21	03/28/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	03/25/21	03/28/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

WP-10
1C22022-43 (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	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		114 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1.73	1.00	mg/kg dry	1	P1C3103	03/31/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
>C12-C28	41.2	25.0	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
Surrogate: 1-Chlorooctane		74.0 %	70-130		P1C2513	03/25/21	03/28/21	TPH 8015M	
Surrogate: o-Terphenyl		77.6 %	70-130		P1C2513	03/25/21	03/28/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	41.2	25.0	mg/kg dry	1	[CALC]	03/25/21	03/28/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

WP-11
1C22022-44 (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	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		114 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		111 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1C3103	03/31/21	03/31/21	EPA 300.0	
% Moisture	ND	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
Surrogate: 1-Chlorooctane		78.7 %	70-130		P1C2513	03/25/21	03/28/21	TPH 8015M	
Surrogate: o-Terphenyl		82.7 %	70-130		P1C2513	03/25/21	03/28/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	03/25/21	03/28/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-26
1C22022-45 (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	P1C3107	03/31/21	04/02/21	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		110 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	281	1.06	mg/kg dry	1	P1C3103	03/31/21	03/31/21	EPA 300.0	
% Moisture	6.0	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
>C12-C28	119	26.6	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
Surrogate: 1-Chlorooctane		91.1 %	70-130		P1C2513	03/25/21	03/28/21	TPH 8015M	
Surrogate: o-Terphenyl		96.1 %	70-130		P1C2513	03/25/21	03/28/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	119	26.6	mg/kg dry	1	[CALC]	03/25/21	03/28/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-27

1C22022-46 (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	0.00122	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Toluene	ND	0.00122	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Ethylbenzene	0.00270	0.00122	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (p/m)	0.00609	0.00244	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (o)	0.00720	0.00122	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		112 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.9 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	678	1.22	mg/kg dry	1	P1C3103	03/31/21	03/31/21	EPA 300.0	
% Moisture	4.0	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	152	mg/kg dry	5	P1C2513	03/25/21	03/28/21	TPH 8015M	
>C12-C28	2750	152	mg/kg dry	5	P1C2513	03/25/21	03/28/21	TPH 8015M	
>C28-C35	350	152	mg/kg dry	5	P1C2513	03/25/21	03/28/21	TPH 8015M	
Surrogate: 1-Chlorooctane		92.8 %	70-130		P1C2513	03/25/21	03/28/21	TPH 8015M	
Surrogate: o-Terphenyl		99.8 %	70-130		P1C2513	03/25/21	03/28/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	3100	152	mg/kg dry	5	[CALC]	03/25/21	03/28/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-28
1C22022-47 (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	P1C3107	03/31/21	04/02/21	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		113 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	336	1.04	mg/kg dry	1	P1C3103	03/31/21	03/31/21	EPA 300.0	
% Moisture	5.0	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
Surrogate: 1-Chlorooctane		95.5 %	70-130		P1C2513	03/25/21	03/28/21	TPH 8015M	
Surrogate: o-Terphenyl		101 %	70-130		P1C2513	03/25/21	03/28/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	03/25/21	03/28/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

SP-29

1C22022-48 (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	P1C3107	03/31/21	04/02/21	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		111 %	80-120		P1C3107	03/31/21	04/02/21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	62.6	1.05	mg/kg dry	1	P1C3103	03/31/21	03/31/21	EPA 300.0	
% Moisture	7.0	0.1	%	1	P1C2404	03/24/21	03/24/21	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
>C12-C28	330	26.3	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
>C28-C35	60.2	26.3	mg/kg dry	1	P1C2513	03/25/21	03/28/21	TPH 8015M	
Surrogate: 1-Chlorooctane		97.5 %	70-130		P1C2513	03/25/21	03/28/21	TPH 8015M	
Surrogate: o-Terphenyl		103 %	70-130		P1C2513	03/25/21	03/28/21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	390	26.3	mg/kg dry	1	[CALC]	03/25/21	03/28/21	calc	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1C2610 - * DEFAULT PREP *****

Blank (P1C2610-BLK1)

Prepared: 03/26/21 Analyzed: 03/28/21

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		99.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	80-120			

LCS (P1C2610-BS1)

Prepared: 03/26/21 Analyzed: 03/28/21

Benzene	0.0929	0.00100	mg/kg wet	0.100		92.9	70-130			
Toluene	0.0917	0.00100	"	0.100		91.7	70-130			
Ethylbenzene	0.0810	0.00100	"	0.100		81.0	70-130			
Xylene (p/m)	0.162	0.00200	"	0.200		81.0	70-130			
Xylene (o)	0.0865	0.00100	"	0.100		86.5	70-130			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	80-120			

LCS Dup (P1C2610-BSD1)

Prepared: 03/26/21 Analyzed: 03/28/21

Benzene	0.0909	0.00100	mg/kg wet	0.100		90.9	70-130	2.18	20	
Toluene	0.0900	0.00100	"	0.100		90.0	70-130	1.87	20	
Ethylbenzene	0.0804	0.00100	"	0.100		80.4	70-130	0.743	20	
Xylene (p/m)	0.161	0.00200	"	0.200		80.4	70-130	0.836	20	
Xylene (o)	0.0846	0.00100	"	0.100		84.6	70-130	2.15	20	
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

Calibration Blank (P1C2610-CCB2)

Prepared: 03/26/21 Analyzed: 03/28/21

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.129		"	0.120		107	80-120			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1C2610 - * DEFAULT PREP *****

Calibration Check (P1C2610-CCV2)

Prepared: 03/26/21 Analyzed: 03/29/21

Benzene	0.0912	0.00100	mg/kg wet	0.100		91.2	80-120			
Toluene	0.0909	0.00100	"	0.100		90.9	80-120			
Ethylbenzene	0.0901	0.00100	"	0.100		90.1	80-120			
Xylene (p/m)	0.164	0.00200	"	0.200		81.9	80-120			
Xylene (o)	0.0878	0.00100	"	0.100		87.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		99.7	75-125			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		103	75-125			

Matrix Spike (P1C2610-MS1)

Source: 1C22021-01

Prepared: 03/26/21 Analyzed: 03/29/21

Benzene	0.0659	0.00100	mg/kg dry	0.100	ND	65.9	80-120			QM-07
Toluene	0.0599	0.00100	"	0.100	ND	59.9	80-120			QM-07
Ethylbenzene	0.0607	0.00100	"	0.100	ND	60.7	80-120			QM-07
Xylene (p/m)	0.116	0.00200	"	0.200	ND	58.2	80-120			QM-07
Xylene (o)	0.0640	0.00100	"	0.100	ND	64.0	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.1	80-120			

Matrix Spike Dup (P1C2610-MSD1)

Source: 1C22021-01

Prepared: 03/26/21 Analyzed: 03/29/21

Benzene	0.0647	0.00100	mg/kg dry	0.100	ND	64.7	80-120	1.82	20	QM-07
Toluene	0.0564	0.00100	"	0.100	ND	56.4	80-120	5.97	20	QM-07
Ethylbenzene	0.0598	0.00100	"	0.100	ND	59.8	80-120	1.41	20	QM-07
Xylene (p/m)	0.112	0.00200	"	0.200	ND	56.2	80-120	3.42	20	QM-07
Xylene (o)	0.0654	0.00100	"	0.100	ND	65.4	80-120	2.16	20	QM-07
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	80-120			

Batch P1C2611 - * DEFAULT PREP *****

Blank (P1C2611-BLK1)

Prepared: 03/26/21 Analyzed: 03/29/21

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.130		"	0.120		108	80-120			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	80-120			

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Odessa TX, 79765

Project: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch PIC2611 - * DEFAULT PREP *****

LCS (PIC2611-BS1)

Prepared: 03/26/21 Analyzed: 03/29/21

Benzene	0.0881	0.00100	mg/kg wet	0.100		88.1	70-130			
Toluene	0.0890	0.00100	"	0.100		89.0	70-130			
Ethylbenzene	0.0803	0.00100	"	0.100		80.3	70-130			
Xylene (p/m)	0.161	0.00200	"	0.200		80.6	70-130			
Xylene (o)	0.0833	0.00100	"	0.100		83.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		102	80-120			

LCS Dup (PIC2611-BS1)

Prepared: 03/26/21 Analyzed: 03/29/21

Benzene	0.0811	0.00100	mg/kg wet	0.100		81.1	70-130	8.30	20	
Toluene	0.0808	0.00100	"	0.100		80.8	70-130	9.54	20	
Ethylbenzene	0.0874	0.00100	"	0.100		87.4	70-130	8.44	20	
Xylene (p/m)	0.162	0.00200	"	0.200		80.8	70-130	0.297	20	
Xylene (o)	0.0811	0.00100	"	0.100		81.1	70-130	2.70	20	
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

Calibration Check (PIC2611-CCV3)

Prepared: 03/26/21 Analyzed: 03/29/21

Benzene	0.0875	0.00100	mg/kg wet	0.100		87.5	80-120			
Toluene	0.0887	0.00100	"	0.100		88.7	80-120			
Ethylbenzene	0.0863	0.00100	"	0.100		86.3	80-120			
Xylene (p/m)	0.162	0.00200	"	0.200		81.2	80-120			
Xylene (o)	0.0842	0.00100	"	0.100		84.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	75-125			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		105	75-125			

Matrix Spike (PIC2611-MS1)

Source: 1C22021-28

Prepared: 03/26/21 Analyzed: 03/29/21

Benzene	0.0682	0.00102	mg/kg dry	0.102	ND	66.8	80-120			QM-07
Toluene	0.0691	0.00102	"	0.102	ND	67.8	80-120			QM-07
Ethylbenzene	0.0638	0.00102	"	0.102	ND	62.5	80-120			QM-07
Xylene (p/m)	0.127	0.00204	"	0.204	ND	62.2	80-120			QM-07
Xylene (o)	0.0636	0.00102	"	0.102	ND	62.4	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	0.129		"	0.122		106	80-120			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.122		99.3	80-120			

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Page 126 of 174

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

Project: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1C2611 - * DEFAULT PREP *****

Matrix Spike Dup (P1C2611-MSD1)		Source: 1C22021-28		Prepared: 03/26/21		Analyzed: 03/29/21				
Benzene	0.0737	0.00102	mg/kg dry	0.102	ND	72.3	80-120	7.79	20	QM-07
Toluene	0.0736	0.00102	"	0.102	ND	72.1	80-120	6.22	20	QM-07
Ethylbenzene	0.0473	0.00102	"	0.102	ND	46.4	80-120	29.7	20	QM-07
Xylene (p/m)	0.116	0.00204	"	0.204	ND	56.6	80-120	9.34	20	QM-07
Xylene (o)	0.0713	0.00102	"	0.102	ND	69.8	80-120	11.3	20	QM-07
Surrogate: 4-Bromofluorobenzene	0.129		"	0.122		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.132		"	0.122		107	80-120			

Batch P1C2614 - * DEFAULT PREP *****

Blank (P1C2614-BLK1)				Prepared: 03/26/21		Analyzed: 03/31/21				
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.8	80-120			

LCS (P1C2614-BS1)				Prepared: 03/26/21		Analyzed: 03/31/21				
Benzene	0.0935	0.00100	mg/kg wet	0.100		93.5	70-130			
Toluene	0.0871	0.00100	"	0.100		87.1	70-130			
Ethylbenzene	0.0812	0.00100	"	0.100		81.2	70-130			
Xylene (p/m)	0.164	0.00200	"	0.200		81.9	70-130			
Xylene (o)	0.0824	0.00100	"	0.100		82.4	70-130			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.4	80-120			

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13000 West County Road 100
Odessa TX, 79765

Project: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch PIC2614 - * DEFAULT PREP *****

LCS Dup (PIC2614-BSD1)

Prepared: 03/26/21 Analyzed: 03/31/21

Benzene	0.0937	0.00100	mg/kg wet	0.100		93.7	70-130	0.267	20	
Toluene	0.0883	0.00100	"	0.100		88.3	70-130	1.30	20	
Ethylbenzene	0.0807	0.00100	"	0.100		80.7	70-130	0.580	20	
Xylene (p/m)	0.163	0.00200	"	0.200		81.4	70-130	0.600	20	
Xylene (o)	0.0835	0.00100	"	0.100		83.5	70-130	1.31	20	
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.4	80-120			

Calibration Blank (PIC2614-CCB1)

Prepared: 03/26/21 Analyzed: 03/31/21

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		93.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

Calibration Blank (PIC2614-CCB2)

Prepared: 03/26/21 Analyzed: 04/01/21

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	80-120			

Calibration Check (PIC2614-CCV1)

Prepared: 03/26/21 Analyzed: 03/31/21

Benzene	0.0934	0.00100	mg/kg wet	0.100		93.4	80-120			
Toluene	0.0877	0.00100	"	0.100		87.7	80-120			
Ethylbenzene	0.0868	0.00100	"	0.100		86.8	80-120			
Xylene (p/m)	0.160	0.00200	"	0.200		80.2	80-120			
Xylene (o)	0.0848	0.00100	"	0.100		84.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.9	75-125			
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.5	75-125			

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Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch PIC2614 - * DEFAULT PREP *****

Calibration Check (PIC2614-CCV2)				Prepared: 03/26/21		Analyzed: 03/31/21				
Benzene	0.107	0.00100	mg/kg wet	0.100		107	80-120			
Toluene	0.0909	0.00100	"	0.100		90.9	80-120			
Ethylbenzene	0.0805	0.00100	"	0.100		80.5	80-120			
Xylene (p/m)	0.162	0.00200	"	0.200		81.1	80-120			
Xylene (o)	0.0842	0.00100	"	0.100		84.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.4	75-125			
Surrogate: 1,4-Difluorobenzene	0.133		"	0.120		110	75-125			

Calibration Check (PIC2614-CCV3)				Prepared: 03/26/21		Analyzed: 04/01/21				
Benzene	0.101	0.00100	mg/kg wet	0.100		101	80-120			
Toluene	0.0914	0.00100	"	0.100		91.4	80-120			
Ethylbenzene	0.0841	0.00100	"	0.100		84.1	80-120			
Xylene (p/m)	0.162	0.00200	"	0.200		81.2	80-120			
Xylene (o)	0.0874	0.00100	"	0.100		87.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	75-125			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		106	75-125			

Matrix Spike (PIC2614-MS1)				Source: 1C22021-41		Prepared: 03/26/21		Analyzed: 04/01/21			
Benzene	0.101	0.00100	mg/kg dry	0.100	0.00218	99.1	80-120				
Toluene	ND	0.00100	"	0.100	0.736	NR	80-120				QM-07
Ethylbenzene	ND	0.00100	"	0.100	1.32	NR	80-120				QM-07
Xylene (p/m)	ND	0.00200	"	0.200	1.56	NR	80-120				QM-07
Xylene (o)	ND	0.00100	"	0.100	0.635	NR	80-120				QM-07
Surrogate: 4-Bromofluorobenzene	0.0929		"	0.120		77.4	80-120				S-GC
Surrogate: 1,4-Difluorobenzene	0.136		"	0.120		113	80-120				

Matrix Spike Dup (PIC2614-MSD1)				Source: 1C22021-41		Prepared: 03/26/21		Analyzed: 04/01/21			
Benzene	0.0882	0.00100	mg/kg dry	0.100	0.00218	86.0	80-120	14.1	20		
Toluene	ND	0.00100	"	0.100	0.736	NR	80-120		20		QM-07
Ethylbenzene	ND	0.00100	"	0.100	1.32	NR	80-120		20		QM-07
Xylene (p/m)	ND	0.00200	"	0.200	1.56	NR	80-120		20		QM-07
Xylene (o)	ND	0.00100	"	0.100	0.635	NR	80-120		20		QM-07
Surrogate: 4-Bromofluorobenzene	0.0877		"	0.120		73.0	80-120				S-GC
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		106	80-120				

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13000 West County Road 100
Odessa TX, 79765

Project: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1C2615 - * DEFAULT PREP *****

Blank (P1C2615-BLK1)

Prepared: 03/26/21 Analyzed: 04/01/21

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.128		"	0.120		106	80-120			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	80-120			

LCS (P1C2615-BS1)

Prepared: 03/26/21 Analyzed: 04/01/21

Benzene	0.0932	0.00100	mg/kg wet	0.100		93.2	70-130			
Toluene	0.0857	0.00100	"	0.100		85.7	70-130			
Ethylbenzene	0.0806	0.00100	"	0.100		80.6	70-130			
Xylene (p/m)	0.163	0.00200	"	0.200		81.4	70-130			
Xylene (o)	0.0801	0.00100	"	0.100		80.1	70-130			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.2	80-120			

LCS Dup (P1C2615-BSD1)

Prepared: 03/26/21 Analyzed: 04/01/21

Benzene	0.0908	0.00100	mg/kg wet	0.100		90.8	70-130	2.61	20	
Toluene	0.0844	0.00100	"	0.100		84.4	70-130	1.56	20	
Ethylbenzene	0.0802	0.00100	"	0.100		80.2	70-130	0.473	20	
Xylene (p/m)	0.161	0.00200	"	0.200		80.4	70-130	1.27	20	
Xylene (o)	0.0815	0.00100	"	0.100		81.5	70-130	1.67	20	
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		100	80-120			

Calibration Blank (P1C2615-CCB1)

Prepared: 03/26/21 Analyzed: 04/01/21

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.130		"	0.120		109	80-120			

Permian Basin Environmental Lab, L.P.

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

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13000 West County Road 100
Odessa TX, 79765

Project: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

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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 PIC2615 - * DEFAULT PREP *****

Calibration Blank (PIC2615-CCB2)

Prepared: 03/26/21 Analyzed: 04/01/21

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		106	80-120			

Calibration Check (PIC2615-CCV1)

Prepared: 03/26/21 Analyzed: 04/01/21

Benzene	0.101	0.00100	mg/kg wet	0.100		101	80-120			
Toluene	0.0914	0.00100	"	0.100		91.4	80-120			
Ethylbenzene	0.0841	0.00100	"	0.100		84.1	80-120			
Xylene (p/m)	0.162	0.00200	"	0.200		81.2	80-120			
Xylene (o)	0.0874	0.00100	"	0.100		87.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		106	75-125			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	75-125			

Calibration Check (PIC2615-CCV2)

Prepared: 03/26/21 Analyzed: 04/01/21

Benzene	0.0938	0.00100	mg/kg wet	0.100		93.8	80-120			
Toluene	0.0841	0.00100	"	0.100		84.1	80-120			
Ethylbenzene	0.0877	0.00100	"	0.100		87.7	80-120			
Xylene (p/m)	0.165	0.00200	"	0.200		82.5	80-120			
Xylene (o)	0.0827	0.00100	"	0.100		82.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	75-125			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	75-125			

Calibration Check (PIC2615-CCV3)

Prepared: 03/26/21 Analyzed: 04/01/21

Benzene	0.0914	0.00100	mg/kg wet	0.100		91.4	80-120			
Toluene	0.0840	0.00100	"	0.100		84.0	80-120			
Ethylbenzene	0.0828	0.00100	"	0.100		82.8	80-120			
Xylene (p/m)	0.163	0.00200	"	0.200		81.3	80-120			
Xylene (o)	0.0832	0.00100	"	0.100		83.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	75-125			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	75-125			

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Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1C2615 - * DEFAULT PREP *****

Matrix Spike (P1C2615-MS1)		Source: 1C22021-62		Prepared: 03/26/21 Analyzed: 04/01/21						
Benzene	0.0844	0.00100	mg/kg dry	0.100	0.00174	82.7	80-120			
Toluene	0.0811	0.00100	"	0.100	0.00760	73.5	80-120			QM-07
Ethylbenzene	0.0671	0.00100	"	0.100	0.00850	58.6	80-120			QM-07
Xylene (p/m)	0.120	0.00200	"	0.200	0.00835	56.1	80-120			QM-07
Xylene (o)	0.0721	0.00100	"	0.100	0.0129	59.2	80-120			QM-07
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.130		"	0.120		108	80-120			

Matrix Spike Dup (P1C2615-MSD1)		Source: 1C22021-62		Prepared: 03/26/21 Analyzed: 04/01/21						
Benzene	0.0873	0.00100	mg/kg dry	0.100	0.00174	85.6	80-120	3.46	20	
Toluene	0.0823	0.00100	"	0.100	0.00760	74.7	80-120	1.58	20	QM-07
Ethylbenzene	0.0713	0.00100	"	0.100	0.00850	62.8	80-120	6.90	20	QM-07
Xylene (p/m)	0.136	0.00200	"	0.200	0.00835	64.0	80-120	13.3	20	QM-07
Xylene (o)	0.0769	0.00100	"	0.100	0.0129	64.0	80-120	7.87	20	QM-07
Surrogate: 1,4-Difluorobenzene	0.129		"	0.120		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			

Batch P1C2616 - * DEFAULT PREP *****

Blank (P1C2616-BLK1)				Prepared: 03/26/21 Analyzed: 04/01/21						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.6	80-120			

Permian Basin Environmental Lab, L.P.

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Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1C2616 - * DEFAULT PREP *****

LCS (P1C2616-BS1)

Prepared: 03/26/21 Analyzed: 04/01/21

Benzene	0.0883	0.00100	mg/kg wet	0.100		88.3	70-130			
Toluene	0.0838	0.00100	"	0.100		83.8	70-130			
Ethylbenzene	0.0840	0.00100	"	0.100		84.0	70-130			
Xylene (p/m)	0.161	0.00200	"	0.200		80.5	70-130			
Xylene (o)	0.0808	0.00100	"	0.100		80.8	70-130			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		99.9	80-120			

LCS Dup (P1C2616-BSD1)

Prepared: 03/26/21 Analyzed: 04/01/21

Benzene	0.0829	0.00100	mg/kg wet	0.100		82.9	70-130	6.23	20	
Toluene	0.0831	0.00100	"	0.100		83.1	70-130	0.887	20	
Ethylbenzene	0.0807	0.00100	"	0.100		80.7	70-130	3.99	20	
Xylene (p/m)	0.166	0.00200	"	0.200		83.0	70-130	3.09	20	
Xylene (o)	0.0832	0.00100	"	0.100		83.2	70-130	2.98	20	
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	80-120			

Calibration Blank (P1C2616-CCB1)

Prepared: 03/26/21 Analyzed: 04/01/21

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.2	80-120			

Calibration Blank (P1C2616-CCB2)

Prepared: 03/26/21 Analyzed: 04/01/21

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.129		"	0.120		108	80-120			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		100	80-120			

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Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch PIC2616 - * DEFAULT PREP *****

Calibration Check (PIC2616-CCV2)

Prepared: 03/26/21 Analyzed: 04/01/21

Benzene	0.0923	0.00100	mg/kg wet	0.100		92.3	80-120			
Toluene	0.0853	0.00100	"	0.100		85.3	80-120			
Ethylbenzene	0.0814	0.00100	"	0.100		81.4	80-120			
Xylene (p/m)	0.164	0.00200	"	0.200		82.2	80-120			
Xylene (o)	0.0828	0.00100	"	0.100		82.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	75-125			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	75-125			

Calibration Check (PIC2616-CCV3)

Prepared: 03/26/21 Analyzed: 04/02/21

Benzene	0.0832	0.00100	mg/kg wet	0.100		83.2	80-120			
Toluene	0.0805	0.00100	"	0.100		80.5	80-120			
Ethylbenzene	0.0815	0.00100	"	0.100		81.5	80-120			
Xylene (p/m)	0.162	0.00200	"	0.200		81.0	80-120			
Xylene (o)	0.0803	0.00100	"	0.100		80.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		99.8	75-125			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	75-125			

Matrix Spike (PIC2616-MS1)

Source: 1C22022-11

Prepared: 03/26/21 Analyzed: 04/02/21

Benzene	0.0536	0.00100	mg/kg dry	0.100	0.000690	53.0	80-120			QM-07
Toluene	0.0938	0.00100	"	0.100	0.0636	30.2	80-120			QM-07
Ethylbenzene	0.124	0.00100	"	0.100	0.155	NR	80-120			QM-07
Xylene (p/m)	0.103	0.00200	"	0.200	0.0819	10.6	80-120			QM-07
Xylene (o)	0.148	0.00100	"	0.100	0.122	25.5	80-120			QM-07
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		86.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.132		"	0.120		110	80-120			

Matrix Spike Dup (PIC2616-MSD1)

Source: 1C22022-11

Prepared: 03/26/21 Analyzed: 04/02/21

Benzene	0.0578	0.00100	mg/kg dry	0.100	0.000690	57.2	80-120	7.63	20	QM-07
Toluene	0.0993	0.00100	"	0.100	0.0636	35.7	80-120	16.8	20	QM-07
Ethylbenzene	0.128	0.00100	"	0.100	0.155	NR	80-120	NR	20	QM-07
Xylene (p/m)	0.0881	0.00200	"	0.200	0.0819	3.13	80-120	109	20	QM-07, R3
Xylene (o)	0.166	0.00100	"	0.100	0.122	43.9	80-120	52.8	20	QM-07, R3
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		86.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.132		"	0.120		110	80-120			

Permian Basin Environmental Lab, L.P.

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Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch PIC3107 - * DEFAULT PREP *****

Blank (PIC3107-BLK1)

Prepared: 03/31/21 Analyzed: 04/02/21

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.128		"	0.120		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		103	80-120			

LCS (PIC3107-BS1)

Prepared: 03/31/21 Analyzed: 04/02/21

Benzene	0.0917	0.00100	mg/kg wet	0.100		91.7	70-130			
Toluene	0.0880	0.00100	"	0.100		88.0	70-130			
Ethylbenzene	0.0823	0.00100	"	0.100		82.3	70-130			
Xylene (p/m)	0.176	0.00200	"	0.200		88.2	70-130			
Xylene (o)	0.0838	0.00100	"	0.100		83.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		102	80-120			

LCS Dup (PIC3107-BSD1)

Prepared: 03/31/21 Analyzed: 04/02/21

Benzene	0.0939	0.00100	mg/kg wet	0.100		93.9	70-130	2.35	20	
Toluene	0.0909	0.00100	"	0.100		90.9	70-130	3.33	20	
Ethylbenzene	0.0864	0.00100	"	0.100		86.4	70-130	4.81	20	
Xylene (p/m)	0.183	0.00200	"	0.200		91.4	70-130	3.48	20	
Xylene (o)	0.0873	0.00100	"	0.100		87.3	70-130	4.15	20	
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			

Calibration Check (PIC3107-CCV1)

Prepared: 03/31/21 Analyzed: 04/02/21

Benzene	0.0832	0.00100	mg/kg wet	0.100		83.2	80-120			
Toluene	0.0805	0.00100	"	0.100		80.5	80-120			
Ethylbenzene	0.0815	0.00100	"	0.100		81.5	80-120			
Xylene (p/m)	0.162	0.00200	"	0.200		81.0	80-120			
Xylene (o)	0.0803	0.00100	"	0.100		80.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		99.8	75-125			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	75-125			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1C3107 - * DEFAULT PREP *****

Calibration Check (P1C3107-CCV2)

Prepared: 03/31/21 Analyzed: 04/02/21

Benzene	0.0811	0.00100	mg/kg wet	0.100		81.1	80-120			
Toluene	0.0844	0.00100	"	0.100		84.4	80-120			
Ethylbenzene	0.0882	0.00100	"	0.100		88.2	80-120			
Xylene (p/m)	0.162	0.00200	"	0.200		81.1	80-120			
Xylene (o)	0.0861	0.00100	"	0.100		86.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.4	75-125			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	75-125			

Calibration Check (P1C3107-CCV3)

Prepared: 03/31/21 Analyzed: 04/02/21

Benzene	0.0814	0.00100	mg/kg wet	0.100		81.4	80-120			
Toluene	0.0848	0.00100	"	0.100		84.8	80-120			
Ethylbenzene	0.0944	0.00100	"	0.100		94.4	80-120			
Xylene (p/m)	0.169	0.00200	"	0.200		84.5	80-120			
Xylene (o)	0.0845	0.00100	"	0.100		84.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.3	75-125			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	75-125			

Matrix Spike (P1C3107-MS1)

Source: 1C22022-31

Prepared: 03/31/21 Analyzed: 04/02/21

Benzene	0.0551	0.00100	mg/kg dry	0.100	ND	55.1	80-120			QM-07
Toluene	0.0657	0.00100	"	0.100	0.00136	64.4	80-120			QM-07
Ethylbenzene	0.0470	0.00100	"	0.100	0.00117	45.9	80-120			QM-07
Xylene (p/m)	0.0584	0.00200	"	0.200	0.00297	27.7	80-120			QM-07
Xylene (o)	0.0625	0.00100	"	0.100	0.00460	57.9	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	0.135		"	0.120		112	80-120			
Surrogate: 4-Bromofluorobenzene	0.129		"	0.120		107	80-120			

Matrix Spike Dup (P1C3107-MSD1)

Source: 1C22022-31

Prepared: 03/31/21 Analyzed: 04/02/21

Benzene	0.0557	0.00100	mg/kg dry	0.100	ND	55.7	80-120	1.03	20	QM-07
Toluene	0.0673	0.00100	"	0.100	0.00136	65.9	80-120	2.43	20	QM-07
Ethylbenzene	0.0435	0.00100	"	0.100	0.00117	42.4	80-120	7.95	20	QM-07
Xylene (p/m)	0.0546	0.00200	"	0.200	0.00297	25.8	80-120	7.23	20	QM-07
Xylene (o)	0.0625	0.00100	"	0.100	0.00460	57.9	80-120	0.0518	20	QM-07
Surrogate: 1,4-Difluorobenzene	0.134		"	0.120		111	80-120			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	80-120			

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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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1C2306 - * DEFAULT PREP *****

Blank (P1C2306-BLK1)	Prepared & Analyzed: 03/23/21									
% Moisture	ND	0.1	%							
Blank (P1C2306-BLK2)	Prepared & Analyzed: 03/23/21									
% Moisture	ND	0.1	%							
Blank (P1C2306-BLK3)	Prepared & Analyzed: 03/23/21									
% Moisture	ND	0.1	%							
Blank (P1C2306-BLK4)	Prepared & Analyzed: 03/23/21									
% Moisture	ND	0.1	%							
Blank (P1C2306-BLK5)	Prepared & Analyzed: 03/23/21									
% Moisture	ND	0.1	%							
Blank (P1C2306-BLK6)	Prepared & Analyzed: 03/23/21									
% Moisture	ND	0.1	%							
Blank (P1C2306-BLK7)	Prepared & Analyzed: 03/23/21									
% Moisture	ND	0.1	%							
Blank (P1C2306-BLK8)	Prepared & Analyzed: 03/23/21									
% Moisture	ND	0.1	%							
Blank (P1C2306-BLK9)	Prepared & Analyzed: 03/23/21									
% Moisture	ND	0.1	%							
Duplicate (P1C2306-DUP1)	Source: 1C22001-10 Prepared & Analyzed: 03/23/21									
% Moisture	6.0	0.1	%		6.0			0.00	20	

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1C2306 - * DEFAULT PREP *****

Duplicate (P1C2306-DUP2)	Source: 1C22001-20		Prepared & Analyzed: 03/23/21							
% Moisture	12.0	0.1	%		12.0			0.00	20	
Duplicate (P1C2306-DUP3)	Source: 1C22002-11		Prepared & Analyzed: 03/23/21							
% Moisture	10.0	0.1	%		11.0			9.52	20	
Duplicate (P1C2306-DUP4)	Source: 1C22003-10		Prepared & Analyzed: 03/23/21							
% Moisture	14.0	0.1	%		14.0			0.00	20	
Duplicate (P1C2306-DUP5)	Source: 1C22004-05		Prepared & Analyzed: 03/23/21							
% Moisture	12.0	0.1	%		9.0			28.6	20	R2
Duplicate (P1C2306-DUP6)	Source: 1C22005-03		Prepared & Analyzed: 03/23/21							
% Moisture	1.0	0.1	%		2.0			66.7	20	R2
Duplicate (P1C2306-DUP7)	Source: 1C22007-13		Prepared & Analyzed: 03/23/21							
% Moisture	13.0	0.1	%		11.0			16.7	20	
Duplicate (P1C2306-DUP8)	Source: 1C22009-02		Prepared & Analyzed: 03/23/21							
% Moisture	ND	0.1	%		ND				20	
Duplicate (P1C2306-DUP9)	Source: 1C22011-01		Prepared & Analyzed: 03/23/21							
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P1C2306-DUPA)	Source: 1C22016-06		Prepared & Analyzed: 03/23/21							
% Moisture	12.0	0.1	%		12.0			0.00	20	
Duplicate (P1C2306-DUPB)	Source: 1C22021-08		Prepared & Analyzed: 03/23/21							
% Moisture	ND	0.1	%		ND				20	

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Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1C2306 - * DEFAULT PREP *****

Duplicate (P1C2306-DUPC)	Source: 1C22021-18		Prepared & Analyzed: 03/23/21							
% Moisture	ND	0.1	%		ND				20	
Duplicate (P1C2306-DUPD)	Source: 1C22021-33		Prepared & Analyzed: 03/23/21							
% Moisture	ND	0.1	%		ND				20	
Duplicate (P1C2306-DUPE)	Source: 1C22021-43		Prepared & Analyzed: 03/23/21							
% Moisture	ND	0.1	%		ND				20	
Duplicate (P1C2306-DUPF)	Source: 1C22021-58		Prepared & Analyzed: 03/23/21							
% Moisture	ND	0.1	%		ND				20	
Duplicate (P1C2306-DUPG)	Source: 1C22021-68		Prepared & Analyzed: 03/23/21							
% Moisture	1.0	0.1	%		2.0			66.7	20	R2

Batch P1C2404 - * DEFAULT PREP *****

Blank (P1C2404-BLK1)	Prepared & Analyzed: 03/24/21									
% Moisture	ND	0.1	%							
Blank (P1C2404-BLK2)	Prepared & Analyzed: 03/24/21									
% Moisture	ND	0.1	%							
Blank (P1C2404-BLK3)	Prepared & Analyzed: 03/24/21									
% Moisture	ND	0.1	%							
Blank (P1C2404-BLK4)	Prepared & Analyzed: 03/24/21									
% Moisture	ND	0.1	%							

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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 P1C2404 - * DEFAULT PREP *****

Blank (P1C2404-BLK5)	Prepared & Analyzed: 03/24/21									
% Moisture	ND	0.1	%							
Blank (P1C2404-BLK6)	Prepared & Analyzed: 03/24/21									
% Moisture	ND	0.1	%							
Duplicate (P1C2404-DUP1)	Source: 1C22022-13		Prepared & Analyzed: 03/24/21							
% Moisture	ND	0.1	%		ND				20	
Duplicate (P1C2404-DUP2)	Source: 1C22022-23		Prepared & Analyzed: 03/24/21							
% Moisture	ND	0.1	%		ND				20	
Duplicate (P1C2404-DUP3)	Source: 1C22022-38		Prepared & Analyzed: 03/24/21							
% Moisture	ND	0.1	%		ND				20	
Duplicate (P1C2404-DUP4)	Source: 1C22022-48		Prepared & Analyzed: 03/24/21							
% Moisture	6.0	0.1	%		7.0			15.4	20	
Duplicate (P1C2404-DUP5)	Source: 1C23007-01		Prepared & Analyzed: 03/24/21							
% Moisture	11.0	0.1	%		11.0			0.00	20	
Duplicate (P1C2404-DUP6)	Source: 1C23008-06		Prepared & Analyzed: 03/24/21							
% Moisture	1.0	0.1	%		1.0			0.00	20	
Duplicate (P1C2404-DUP7)	Source: 1C23009-13		Prepared & Analyzed: 03/24/21							
% Moisture	5.0	0.1	%		4.0			22.2	20	R3
Duplicate (P1C2404-DUP8)	Source: 1C23010-05		Prepared & Analyzed: 03/24/21							
% Moisture	1.0	0.1	%		1.0			0.00	20	

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1C2404 - * DEFAULT PREP *****

Duplicate (P1C2404-DUP9)	Source: 1C23011-04		Prepared & Analyzed: 03/24/21							
% Moisture	14.0	0.1	%		15.0			6.90	20	
Duplicate (P1C2404-DUPA)	Source: 1C23011-14		Prepared & Analyzed: 03/24/21							
% Moisture	11.0	0.1	%		11.0			0.00	20	
Duplicate (P1C2404-DUPB)	Source: 1C23012-01		Prepared & Analyzed: 03/24/21							
% Moisture	15.0	0.1	%		15.0			0.00	20	
Duplicate (P1C2404-DUPC)	Source: 1C23012-11		Prepared & Analyzed: 03/24/21							
% Moisture	22.0	0.1	%		22.0			0.00	20	

Batch P1C2620 - * DEFAULT PREP *****

Blank (P1C2620-BLK1)	Prepared: 03/26/21 Analyzed: 03/28/21									
Chloride	ND	1.00	mg/kg wet							
LCS (P1C2620-BS1)	Prepared: 03/26/21 Analyzed: 03/28/21									
Chloride	430	1.00	mg/kg wet	400		107	90-110			
LCS Dup (P1C2620-BSD1)	Prepared: 03/26/21 Analyzed: 03/28/21									
Chloride	426	1.00	mg/kg wet	400		107	90-110	0.841	20	
Calibration Check (P1C2620-CCV1)	Prepared: 03/26/21 Analyzed: 03/28/21									
Chloride	21.2		mg/kg	20.0		106	90-110			
Calibration Check (P1C2620-CCV2)	Prepared: 03/26/21 Analyzed: 03/28/21									
Chloride	21.4		mg/kg	20.0		107	90-110			

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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 P1C2620 - * DEFAULT PREP *****

Calibration Check (P1C2620-CCV3)				Prepared: 03/26/21 Analyzed: 03/28/21						
Chloride	21.5		mg/kg	20.0		107	90-110			
Matrix Spike (P1C2620-MS1)				Source: 1C22010-01 Prepared: 03/26/21 Analyzed: 03/28/21						
Chloride	1230	5.56	mg/kg dry	556	676	99.6	80-120			
Matrix Spike (P1C2620-MS2)				Source: 1C22021-02 Prepared: 03/26/21 Analyzed: 03/28/21						
Chloride	487	1.00	mg/kg dry	500	6.80	96.1	80-120			
Matrix Spike Dup (P1C2620-MSD1)				Source: 1C22010-01 Prepared: 03/26/21 Analyzed: 03/28/21						
Chloride	1240	5.56	mg/kg dry	556	676	102	80-120	1.16	20	
Matrix Spike Dup (P1C2620-MSD2)				Source: 1C22021-02 Prepared: 03/26/21 Analyzed: 03/28/21						
Chloride	489	1.00	mg/kg dry	500	6.80	96.5	80-120	0.410	20	

Batch P1C2903 - * DEFAULT PREP *****

Blank (P1C2903-BLK1)				Prepared & Analyzed: 03/29/21						
Chloride	ND	1.00	mg/kg wet							
LCS (P1C2903-BS1)				Prepared & Analyzed: 03/29/21						
Chloride	404	1.00	mg/kg wet	400		101	90-110			
LCS Dup (P1C2903-BSD1)				Prepared & Analyzed: 03/29/21						
Chloride	397	1.00	mg/kg wet	400		99.3	90-110	1.71	20	
Calibration Check (P1C2903-CCV1)				Prepared & Analyzed: 03/29/21						
Chloride	19.5		mg/kg	20.0		97.4	90-110			

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Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1C2903 - * DEFAULT PREP *****

Calibration Check (P1C2903-CCV2)

Prepared: 03/29/21 Analyzed: 03/30/21

Chloride	18.9		mg/kg	20.0		94.3	90-110			
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Calibration Check (P1C2903-CCV3)

Prepared: 03/29/21 Analyzed: 03/30/21

Chloride	19.3		mg/kg	20.0		96.5	90-110			
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Matrix Spike (P1C2903-MS1)

Source: 1C26015-01

Prepared & Analyzed: 03/29/21

Chloride	514	1.14	mg/kg dry	568	33.8	84.6	80-120			
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Matrix Spike (P1C2903-MS2)

Source: 1C22021-52

Prepared: 03/29/21 Analyzed: 03/30/21

Chloride	543	1.00	mg/kg dry	500	2.81	108	80-120			
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Matrix Spike Dup (P1C2903-MSD1)

Source: 1C26015-01

Prepared & Analyzed: 03/29/21

Chloride	515	1.14	mg/kg dry	568	33.8	84.7	80-120	0.148	20	
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Matrix Spike Dup (P1C2903-MSD2)

Source: 1C22021-52

Prepared: 03/29/21 Analyzed: 03/30/21

Chloride	510	1.00	mg/kg dry	500	2.81	101	80-120	6.22	20	
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Batch P1C2904 - * DEFAULT PREP *****

Blank (P1C2904-BLK1)

Prepared & Analyzed: 03/29/21

Chloride	ND	1.00	mg/kg wet							
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LCS (P1C2904-BS1)

Prepared & Analyzed: 03/29/21

Chloride	392	1.00	mg/kg wet	400		98.1	90-110			
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LCS Dup (P1C2904-BSD1)

Prepared & Analyzed: 03/29/21

Chloride	393	1.00	mg/kg wet	400		98.2	90-110	0.0790	20	
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General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1C2904 - * DEFAULT PREP *****

Calibration Check (P1C2904-CCV1)				Prepared & Analyzed: 03/29/21						
Chloride	19.1		mg/kg	20.0		95.5	90-110			
Calibration Check (P1C2904-CCV2)				Prepared & Analyzed: 03/29/21						
Chloride	19.2		mg/kg	20.0		96.1	90-110			
Calibration Check (P1C2904-CCV3)				Prepared & Analyzed: 03/29/21						
Chloride	19.5		mg/kg	20.0		97.4	90-110			
Matrix Spike (P1C2904-MS1)		Source: 1C22021-12		Prepared & Analyzed: 03/29/21						
Chloride	513	1.00	mg/kg dry	500	ND	103	80-120			
Matrix Spike (P1C2904-MS2)		Source: 1C22021-22		Prepared & Analyzed: 03/29/21						
Chloride	491	1.00	mg/kg dry	500	8.84	96.4	80-120			
Matrix Spike Dup (P1C2904-MSD1)		Source: 1C22021-12		Prepared & Analyzed: 03/29/21						
Chloride	453	1.00	mg/kg dry	500	ND	90.7	80-120	12.3	20	
Matrix Spike Dup (P1C2904-MSD2)		Source: 1C22021-22		Prepared & Analyzed: 03/29/21						
Chloride	456	1.00	mg/kg dry	500	8.84	89.5	80-120	7.27	20	

Batch P1C2905 - * DEFAULT PREP *****

Blank (P1C2905-BLK1)				Prepared: 03/29/21 Analyzed: 03/30/21						
Chloride	ND	1.00	mg/kg wet							
LCS (P1C2905-BS1)				Prepared: 03/29/21 Analyzed: 03/30/21						
Chloride	411	1.00	mg/kg wet	400		103	90-110			

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Page 144 of 174

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C2905 - *** DEFAULT PREP ***										
LCS Dup (P1C2905-BSD1)				Prepared: 03/29/21 Analyzed: 03/30/21						
Chloride	399	1.00	mg/kg wet	400		99.7	90-110	2.97	20	
Calibration Check (P1C2905-CCV1)				Prepared: 03/29/21 Analyzed: 03/30/21						
Chloride	19.3		mg/kg	20.0		96.5	90-110			
Calibration Check (P1C2905-CCV2)				Prepared: 03/29/21 Analyzed: 03/30/21						
Chloride	19.3		mg/kg	20.0		96.7	90-110			
Calibration Check (P1C2905-CCV3)				Prepared: 03/29/21 Analyzed: 03/30/21						
Chloride	18.9		mg/kg	20.0		94.4	90-110			
Matrix Spike (P1C2905-MS1)		Source: 1C22021-32		Prepared: 03/29/21 Analyzed: 03/30/21						
Chloride	511	1.00	mg/kg dry	500	34.0	95.3	80-120			
Matrix Spike (P1C2905-MS2)		Source: 1C22021-42		Prepared: 03/29/21 Analyzed: 03/30/21						
Chloride	472	1.00	mg/kg dry	500	8.06	92.8	80-120			
Matrix Spike Dup (P1C2905-MSD1)		Source: 1C22021-32		Prepared: 03/29/21 Analyzed: 03/30/21						
Chloride	502	1.00	mg/kg dry	500	34.0	93.6	80-120	1.66	20	
Matrix Spike Dup (P1C2905-MSD2)		Source: 1C22021-42		Prepared: 03/29/21 Analyzed: 03/30/21						
Chloride	481	1.00	mg/kg dry	500	8.06	94.6	80-120	1.83	20	
Batch P1C3002 - *** DEFAULT PREP ***										
Blank (P1C3002-BLK1)				Prepared & Analyzed: 03/30/21						
Chloride	ND	1.00	mg/kg wet							

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C3002 - *** DEFAULT PREP ***										
LCS (P1C3002-BS1)				Prepared & Analyzed: 03/30/21						
Chloride	393	1.00	mg/kg wet	400		98.2	90-110			
LCS Dup (P1C3002-BSD1)				Prepared & Analyzed: 03/30/21						
Chloride	394	1.00	mg/kg wet	400		98.4	90-110	0.160	20	
Calibration Check (P1C3002-CCV1)				Prepared & Analyzed: 03/30/21						
Chloride	19.0		mg/kg	20.0		94.9	90-110			
Calibration Check (P1C3002-CCV2)				Prepared: 03/30/21 Analyzed: 03/31/21						
Chloride	19.0		mg/kg	20.0		95.2	90-110			
Calibration Check (P1C3002-CCV3)				Prepared: 03/30/21 Analyzed: 03/31/21						
Chloride	19.5		mg/kg	20.0		97.3	90-110			
Matrix Spike (P1C3002-MS1)		Source: 1C22021-60		Prepared & Analyzed: 03/30/21						
Chloride	458	1.00	mg/kg dry	500	11.2	89.3	80-120			
Matrix Spike (P1C3002-MS2)		Source: 1C22021-70		Prepared: 03/30/21 Analyzed: 03/31/21						
Chloride	741	1.01	mg/kg dry	505	289	89.5	80-120			
Matrix Spike Dup (P1C3002-MSD1)		Source: 1C22021-60		Prepared & Analyzed: 03/30/21						
Chloride	477	1.00	mg/kg dry	500	11.2	93.2	80-120	4.12	20	
Matrix Spike Dup (P1C3002-MSD2)		Source: 1C22021-70		Prepared: 03/30/21 Analyzed: 03/31/21						
Chloride	736	1.01	mg/kg dry	505	289	88.5	80-120	0.719	20	
Batch P1C3003 - *** DEFAULT PREP ***										
Blank (P1C3003-BLK1)				Prepared: 03/30/21 Analyzed: 03/31/21						
Chloride	ND	1.00	mg/kg wet							

Permian Basin Environmental Lab, L.P.

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13000 West County Road 100
Odessa TX, 79765

Project: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C3003 - *** DEFAULT PREP ***										
LCS (P1C3003-BS1)				Prepared: 03/30/21 Analyzed: 03/31/21						
Chloride	400	1.00	mg/kg wet	400		99.9	90-110			
LCS Dup (P1C3003-BSD1)				Prepared: 03/30/21 Analyzed: 03/31/21						
Chloride	399	1.00	mg/kg wet	400		99.8	90-110	0.0901	20	
Calibration Check (P1C3003-CCV1)				Prepared: 03/30/21 Analyzed: 03/31/21						
Chloride	19.5		mg/kg	20.0		97.3	90-110			
Calibration Check (P1C3003-CCV2)				Prepared: 03/30/21 Analyzed: 03/31/21						
Chloride	19.4		mg/kg	20.0		97.0	90-110			
Calibration Check (P1C3003-CCV3)				Prepared: 03/30/21 Analyzed: 03/31/21						
Chloride	19.2		mg/kg	20.0		95.9	90-110			
Matrix Spike (P1C3003-MS1)				Source: 1C22022-10		Prepared: 03/30/21 Analyzed: 03/31/21				
Chloride	457	1.00	mg/kg dry	500	ND	91.4	80-120			
Matrix Spike (P1C3003-MS2)				Source: 1C22022-20		Prepared: 03/30/21 Analyzed: 03/31/21				
Chloride	454	1.00	mg/kg dry	500	ND	90.8	80-120			
Matrix Spike Dup (P1C3003-MSD1)				Source: 1C22022-10		Prepared: 03/30/21 Analyzed: 03/31/21				
Chloride	478	1.00	mg/kg dry	500	ND	95.5	80-120	4.37	20	
Matrix Spike Dup (P1C3003-MSD2)				Source: 1C22022-20		Prepared: 03/30/21 Analyzed: 03/31/21				
Chloride	471	1.00	mg/kg dry	500	ND	94.2	80-120	3.69	20	
Batch P1C3004 - *** DEFAULT PREP ***										
Blank (P1C3004-BLK1)				Prepared & Analyzed: 03/30/21						
Chloride	ND	1.00	mg/kg wet							

Permian Basin Environmental Lab, L.P.

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Odessa TX, 79765

Project: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1C3004 - * DEFAULT PREP *****

LCS (P1C3004-BS1) Prepared & Analyzed: 03/30/21

Chloride	380	1.00	mg/kg wet	400		95.1	90-110			
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LCS Dup (P1C3004-BSD1) Prepared & Analyzed: 03/30/21

Chloride	392	1.00	mg/kg wet	400		98.1	90-110	3.05	20	
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Calibration Check (P1C3004-CCV1) Prepared & Analyzed: 03/30/21

Chloride	18.7		mg/kg	20.0		93.5	90-110			
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Calibration Check (P1C3004-CCV2) Prepared & Analyzed: 03/30/21

Chloride	19.7		mg/kg	20.0		98.4	90-110			
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Calibration Check (P1C3004-CCV3) Prepared & Analyzed: 03/30/21

Chloride	19.9		mg/kg	20.0		99.3	90-110			
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Matrix Spike (P1C3004-MS1) Source: 1C30004-01 Prepared & Analyzed: 03/30/21

Chloride	2220	5.26	mg/kg dry	526	1700	97.5	80-120			
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Matrix Spike (P1C3004-MS2) Source: 1C30004-11 Prepared & Analyzed: 03/30/21

Chloride	6920	25.0	mg/kg dry	2500	4380	102	80-120			
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Matrix Spike Dup (P1C3004-MSD1) Source: 1C30004-01 Prepared & Analyzed: 03/30/21

Chloride	2180	5.26	mg/kg dry	526	1700	90.5	80-120	1.68	20	
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Matrix Spike Dup (P1C3004-MSD2) Source: 1C30004-11 Prepared & Analyzed: 03/30/21

Chloride	6940	25.0	mg/kg dry	2500	4380	102	80-120	0.256	20	
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Batch P1C3103 - * DEFAULT PREP *****

Blank (P1C3103-BLK1) Prepared & Analyzed: 03/31/21

Chloride	ND	1.00	mg/kg wet							
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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]
13000 West County Road 100
Odessa TX, 79765

Project: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C3103 - *** DEFAULT PREP ***										
LCS (P1C3103-BS1)				Prepared & Analyzed: 03/31/21						
Chloride	394	1.00	mg/kg wet	400		98.4	90-110			
LCS Dup (P1C3103-BSD1)				Prepared & Analyzed: 03/31/21						
Chloride	390	1.00	mg/kg wet	400		97.4	90-110	0.950	20	
Calibration Check (P1C3103-CCV1)				Prepared & Analyzed: 03/31/21						
Chloride	19.2		mg/kg	20.0		95.9	90-110			
Calibration Check (P1C3103-CCV2)				Prepared & Analyzed: 03/31/21						
Chloride	19.4		mg/kg	20.0		97.0	90-110			
Calibration Check (P1C3103-CCV3)				Prepared & Analyzed: 03/31/21						
Chloride	19.6		mg/kg	20.0		98.2	90-110			
Matrix Spike (P1C3103-MS1)		Source: 1C22022-36		Prepared & Analyzed: 03/31/21						
Chloride	442	1.00	mg/kg dry	500	ND	88.4	80-120			
Matrix Spike (P1C3103-MS2)		Source: 1C22022-46		Prepared & Analyzed: 03/31/21						
Chloride	1170	1.22	mg/kg dry	610	678	81.3	80-120			
Matrix Spike Dup (P1C3103-MSD1)		Source: 1C22022-36		Prepared & Analyzed: 03/31/21						
Chloride	460	1.00	mg/kg dry	500	ND	91.9	80-120	3.89	20	
Matrix Spike Dup (P1C3103-MSD2)		Source: 1C22022-46		Prepared & Analyzed: 03/31/21						
Chloride	1210	1.22	mg/kg dry	610	678	87.5	80-120	3.18	20	

Permian Basin Environmental Lab, L.P.

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13000 West County Road 100
Odessa TX, 79765

Project: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1C2408 - TX 1005

Blank (P1C2408-BLK1)

Prepared: 03/24/21 Analyzed: 03/25/21

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	89.0		"	100		89.0	70-130			
Surrogate: o-Terphenyl	45.5		"	50.0		91.0	70-130			

LCS (P1C2408-BS1)

Prepared: 03/24/21 Analyzed: 03/25/21

C6-C12	983	25.0	mg/kg wet	1000		98.3	75-125			
>C12-C28	978	25.0	"	1000		97.8	75-125			
Surrogate: 1-Chlorooctane	97.8		"	100		97.8	70-130			
Surrogate: o-Terphenyl	49.1		"	50.0		98.3	70-130			

LCS Dup (P1C2408-BS1)

Prepared: 03/24/21 Analyzed: 03/25/21

C6-C12	993	25.0	mg/kg wet	1000		99.3	75-125	1.02	20	
>C12-C28	969	25.0	"	1000		96.9	75-125	0.953	20	
Surrogate: 1-Chlorooctane	96.4		"	100		96.4	70-130			
Surrogate: o-Terphenyl	47.9		"	50.0		95.8	70-130			

Calibration Check (P1C2408-CCV1)

Prepared: 03/24/21 Analyzed: 03/25/21

C6-C12	479	25.0	mg/kg wet	500		95.9	85-115			
>C12-C28	526	25.0	"	500		105	85-115			
Surrogate: 1-Chlorooctane	110		"	100		110	70-130			
Surrogate: o-Terphenyl	47.8		"	50.0		95.5	70-130			

Calibration Check (P1C2408-CCV2)

Prepared: 03/24/21 Analyzed: 03/26/21

C6-C12	426	25.0	mg/kg wet	500		85.2	85-115			
>C12-C28	428	25.0	"	500		85.6	85-115			
Surrogate: 1-Chlorooctane	91.1		"	100		91.1	70-130			
Surrogate: o-Terphenyl	40.1		"	50.0		80.1	70-130			

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1C2408 - TX 1005

Calibration Check (P1C2408-CCV3)

Prepared: 03/24/21 Analyzed: 03/26/21

C6-C12	470	25.0	mg/kg wet	500		94.0	85-115			
>C12-C28	523	25.0	"	500		105	85-115			
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	47.5		"	50.0		95.1	70-130			

Matrix Spike (P1C2408-MS1)

Source: 1C22021-06

Prepared: 03/24/21 Analyzed: 03/26/21

C6-C12	895	25.0	mg/kg dry	1000	ND	89.5	75-125			
>C12-C28	925	25.0	"	1000	21.6	90.4	75-125			
Surrogate: 1-Chlorooctane	120		"	100		120	70-130			
Surrogate: o-Terphenyl	45.6		"	50.0		91.1	70-130			

Matrix Spike Dup (P1C2408-MSD1)

Source: 1C22021-06

Prepared: 03/24/21 Analyzed: 03/26/21

C6-C12	936	25.0	mg/kg dry	1000	ND	93.6	75-125	4.46	20	
>C12-C28	952	25.0	"	1000	21.6	93.0	75-125	2.86	20	
Surrogate: 1-Chlorooctane	127		"	100		127	70-130			
Surrogate: o-Terphenyl	48.5		"	50.0		97.0	70-130			

Batch P1C2409 - TX 1005

Blank (P1C2409-BLK1)

Prepared: 03/24/21 Analyzed: 03/26/21

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	87.1		"	100		87.1	70-130			
Surrogate: o-Terphenyl	45.7		"	50.0		91.4	70-130			

LCS (P1C2409-BS1)

Prepared: 03/24/21 Analyzed: 03/26/21

C6-C12	777	25.0	mg/kg wet	1000		77.7	75-125			
>C12-C28	772	25.0	"	1000		77.2	75-125			
Surrogate: 1-Chlorooctane	121		"	100		121	70-130			
Surrogate: o-Terphenyl	47.8		"	50.0		95.6	70-130			

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Odessa TX, 79765

Project: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1C2409 - TX 1005

LCS Dup (P1C2409-BSD1)

Prepared: 03/24/21 Analyzed: 03/26/21

C6-C12	799	25.0	mg/kg wet	1000		79.9	75-125	2.73	20	
>C12-C28	803	25.0	"	1000		80.3	75-125	3.85	20	
Surrogate: 1-Chlorooctane	123		"	100		123	70-130			
Surrogate: o-Terphenyl	48.6		"	50.0		97.2	70-130			

Calibration Check (P1C2409-CCV1)

Prepared: 03/24/21 Analyzed: 03/26/21

C6-C12	469	25.0	mg/kg wet	500		93.7	85-115			
>C12-C28	470	25.0	"	500		94.0	85-115			
Surrogate: 1-Chlorooctane	98.2		"	100		98.2	70-130			
Surrogate: o-Terphenyl	44.0		"	50.0		87.9	70-130			

Calibration Check (P1C2409-CCV2)

Prepared: 03/24/21 Analyzed: 03/26/21

C6-C12	436	25.0	mg/kg wet	500		87.2	85-115			
>C12-C28	449	25.0	"	500		89.7	85-115			
Surrogate: 1-Chlorooctane	105		"	100		105	70-130			
Surrogate: o-Terphenyl	47.6		"	50.0		95.2	70-130			

Calibration Check (P1C2409-CCV3)

Prepared: 03/24/21 Analyzed: 03/26/21

C6-C12	435	25.0	mg/kg wet	500		86.9	85-115			
>C12-C28	452	25.0	"	500		90.4	85-115			
Surrogate: 1-Chlorooctane	99.4		"	100		99.4	70-130			
Surrogate: o-Terphenyl	44.6		"	50.0		89.2	70-130			

Matrix Spike (P1C2409-MS1)

Source: 1C22021-26

Prepared: 03/24/21 Analyzed: 03/26/21

C6-C12	795	25.0	mg/kg dry	1000	14.4	78.1	75-125			
>C12-C28	1200	25.0	"	1000	619	57.9	75-125			
Surrogate: 1-Chlorooctane	119		"	100		119	70-130			
Surrogate: o-Terphenyl	47.9		"	50.0		95.8	70-130			

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Project Manager: Tim McMinn

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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1C2409 - TX 1005

Matrix Spike Dup (P1C2409-MSD1)	Source: 1C22021-26			Prepared: 03/24/21		Analyzed: 03/26/21				
C6-C12	775	25.0	mg/kg dry	1000	14.4	76.1	75-125	2.65	20	
>C12-C28	1220	25.0	"	1000	619	59.7	75-125	3.02	20	
Surrogate: 1-Chlorooctane	116		"	100		116	70-130			
Surrogate: o-Terphenyl	46.3		"	50.0		92.6	70-130			

Batch P1C2412 - TX 1005

Blank (P1C2412-BLK1)				Prepared: 03/24/21		Analyzed: 03/26/21				
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	85.8		"	100		85.8	70-130			
Surrogate: o-Terphenyl	45.4		"	50.0		90.8	70-130			

LCS (P1C2412-BS1)				Prepared: 03/24/21		Analyzed: 03/26/21				
C6-C12	789	25.0	mg/kg wet	1000		78.9	75-125			
>C12-C28	792	25.0	"	1000		79.2	75-125			
Surrogate: 1-Chlorooctane	116		"	100		116	70-130			
Surrogate: o-Terphenyl	44.7		"	50.0		89.3	70-130			

LCS Dup (P1C2412-BSD1)				Prepared: 03/24/21		Analyzed: 03/26/21				
C6-C12	786	25.0	mg/kg wet	1000		78.6	75-125	0.392	20	
>C12-C28	786	25.0	"	1000		78.6	75-125	0.670	20	
Surrogate: 1-Chlorooctane	121		"	100		121	70-130			
Surrogate: o-Terphenyl	48.9		"	50.0		97.9	70-130			

Calibration Check (P1C2412-CCV1)				Prepared: 03/24/21		Analyzed: 03/26/21				
C6-C12	450	25.0	mg/kg wet	500		90.1	85-115			
>C12-C28	477	25.0	"	500		95.5	85-115			
Surrogate: 1-Chlorooctane	99.4		"	100		99.4	70-130			
Surrogate: o-Terphenyl	44.8		"	50.0		89.6	70-130			

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Project: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1C2412 - TX 1005

Calibration Check (P1C2412-CCV2)

Prepared: 03/24/21 Analyzed: 03/26/21

C6-C12	426	25.0	mg/kg wet	500		85.2	85-115			
>C12-C28	427	25.0	"	500		85.3	85-115			
Surrogate: 1-Chlorooctane	99.7		"	100		99.7	70-130			
Surrogate: o-Terphenyl	45.1		"	50.0		90.3	70-130			

Matrix Spike (P1C2412-MS1)

Source: 1C22021-46

Prepared: 03/24/21 Analyzed: 03/27/21

C6-C12	795	25.0	mg/kg dry	1000	119	67.6	75-125			
>C12-C28	905	25.0	"	1000	896	0.984	75-125			
Surrogate: 1-Chlorooctane	117		"	100		117	70-130			
Surrogate: o-Terphenyl	35.3		"	50.0		70.5	70-130			

Matrix Spike Dup (P1C2412-MSD1)

Source: 1C22021-46

Prepared: 03/24/21 Analyzed: 03/27/21

C6-C12	816	25.0	mg/kg dry	1000	119	69.7	75-125	3.06	20	
>C12-C28	923	25.0	"	1000	896	2.78	75-125	95.5	20	
Surrogate: 1-Chlorooctane	118		"	100		118	70-130			
Surrogate: o-Terphenyl	35.8		"	50.0		71.5	70-130			

Batch P1C2506 - TX 1005

Blank (P1C2506-BLK1)

Prepared: 03/25/21 Analyzed: 03/27/21

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	81.9		"	100		81.9	70-130			
Surrogate: o-Terphenyl	43.4		"	50.0		86.7	70-130			

LCS (P1C2506-BS1)

Prepared: 03/25/21 Analyzed: 03/27/21

C6-C12	764	25.0	mg/kg wet	1000		76.4	75-125			
>C12-C28	762	25.0	"	1000		76.2	75-125			
Surrogate: 1-Chlorooctane	117		"	100		117	70-130			
Surrogate: o-Terphenyl	47.1		"	50.0		94.1	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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C2506 - TX 1005										
LCS Dup (P1C2506-BS1)				Prepared: 03/25/21 Analyzed: 03/27/21						
C6-C12	774	25.0	mg/kg wet	1000		77.4	75-125	1.29	20	
>C12-C28	783	25.0	"	1000		78.3	75-125	2.71	20	
Surrogate: 1-Chlorooctane	124		"	100		124	70-130			
Surrogate: o-Terphenyl	47.5		"	50.0		95.0	70-130			
Calibration Check (P1C2506-CCV1)				Prepared: 03/25/21 Analyzed: 03/27/21						
C6-C12	445	25.0	mg/kg wet	500		89.1	85-115			
>C12-C28	437	25.0	"	500		87.3	85-115			
Surrogate: 1-Chlorooctane	94.8		"	100		94.8	70-130			
Surrogate: o-Terphenyl	43.3		"	50.0		86.6	70-130			
Calibration Check (P1C2506-CCV2)				Prepared: 03/25/21 Analyzed: 03/27/21						
C6-C12	440	25.0	mg/kg wet	500		87.9	85-115			
>C12-C28	430	25.0	"	500		86.0	85-115			
Surrogate: 1-Chlorooctane	102		"	100		102	70-130			
Surrogate: o-Terphenyl	46.3		"	50.0		92.5	70-130			
Calibration Check (P1C2506-CCV3)				Prepared: 03/25/21 Analyzed: 03/27/21						
C6-C12	434	25.0	mg/kg wet	500		86.8	85-115			
>C12-C28	449	25.0	"	500		89.8	85-115			
Surrogate: 1-Chlorooctane	104		"	100		104	70-130			
Surrogate: o-Terphenyl	46.9		"	50.0		93.8	70-130			
Matrix Spike (P1C2506-MS1)				Source: 1C22021-66		Prepared: 03/25/21 Analyzed: 03/27/21				
C6-C12	757	25.0	mg/kg dry	1000	9.80	74.7	75-125			QM-05
>C12-C28	773	25.0	"	1000	ND	77.3	75-125			
Surrogate: 1-Chlorooctane	120		"	100		120	70-130			
Surrogate: o-Terphenyl	45.8		"	50.0		91.5	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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1C2506 - TX 1005

Matrix Spike Dup (P1C2506-MSD1)	Source: 1C22021-66			Prepared: 03/25/21		Analyzed: 03/27/21				
C6-C12	788	25.0	mg/kg dry	1000	9.80	77.9	75-125	4.12	20	
>C12-C28	805	25.0	"	1000	ND	80.5	75-125	3.99	20	
Surrogate: 1-Chlorooctane	125		"	100		125	70-130			
Surrogate: o-Terphenyl	46.3		"	50.0		92.6	70-130			

Batch P1C2507 - TX 1005

Blank (P1C2507-BLK1)				Prepared: 03/25/21		Analyzed: 03/27/21				
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	76.4		"	100		76.4	70-130			
Surrogate: o-Terphenyl	40.5		"	50.0		81.0	70-130			

LCS (P1C2507-BS1)				Prepared: 03/25/21		Analyzed: 03/27/21				
C6-C12	814	25.0	mg/kg wet	1000		81.4	75-125			
>C12-C28	832	25.0	"	1000		83.2	75-125			
Surrogate: 1-Chlorooctane	105		"	100		105	70-130			
Surrogate: o-Terphenyl	43.8		"	50.0		87.6	70-130			

LCS Dup (P1C2507-BSD1)				Prepared: 03/25/21		Analyzed: 03/27/21				
C6-C12	762	25.0	mg/kg wet	1000		76.2	75-125	6.56	20	
>C12-C28	763	25.0	"	1000		76.3	75-125	8.68	20	
Surrogate: 1-Chlorooctane	100		"	100		100	70-130			
Surrogate: o-Terphenyl	43.6		"	50.0		87.2	70-130			

Calibration Check (P1C2507-CCV1)				Prepared: 03/25/21		Analyzed: 03/27/21				
C6-C12	437	25.0	mg/kg wet	500		87.5	85-115			
>C12-C28	445	25.0	"	500		89.1	85-115			
Surrogate: 1-Chlorooctane	96.3		"	100		96.3	70-130			
Surrogate: o-Terphenyl	42.3		"	50.0		84.6	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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1C2507 - TX 1005

Calibration Check (P1C2507-CCV2)

Prepared: 03/25/21 Analyzed: 03/27/21

C6-C12	460	25.0	mg/kg wet	500		92.0	85-115			
>C12-C28	513	25.0	"	500		103	85-115			
Surrogate: 1-Chlorooctane	107		"	100		107	70-130			
Surrogate: o-Terphenyl	46.9		"	50.0		93.8	70-130			

Matrix Spike (P1C2507-MS1)

Source: 1C22022-16

Prepared: 03/25/21 Analyzed: 03/27/21

C6-C12	1020	25.0	mg/kg dry	1000	10.1	101	75-125			
>C12-C28	1040	25.0	"	1000	12.2	103	75-125			
Surrogate: 1-Chlorooctane	128		"	100		128	70-130			
Surrogate: o-Terphenyl	54.4		"	50.0		109	70-130			

Matrix Spike Dup (P1C2507-MSD1)

Source: 1C22022-16

Prepared: 03/25/21 Analyzed: 03/27/21

C6-C12	915	25.0	mg/kg dry	1000	10.1	90.4	75-125	10.7	20	
>C12-C28	951	25.0	"	1000	12.2	93.9	75-125	9.43	20	
Surrogate: 1-Chlorooctane	127		"	100		127	70-130			
Surrogate: o-Terphenyl	51.1		"	50.0		102	70-130			

Batch P1C2508 - TX 1005

Blank (P1C2508-BLK1)

Prepared: 03/25/21 Analyzed: 03/27/21

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	88.1		"	100		88.1	70-130			
Surrogate: o-Terphenyl	46.0		"	50.0		91.9	70-130			

LCS (P1C2508-BS1)

Prepared: 03/25/21 Analyzed: 03/27/21

C6-C12	935	25.0	mg/kg wet	1000		93.5	75-125			
>C12-C28	914	25.0	"	1000		91.4	75-125			
Surrogate: 1-Chlorooctane	91.0		"	100		91.0	70-130			
Surrogate: o-Terphenyl	50.6		"	50.0		101	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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1C2508 - TX 1005

LCS Dup (P1C2508-BSD1)

Prepared: 03/25/21 Analyzed: 03/27/21

C6-C12	984	25.0	mg/kg wet	1000		98.4	75-125	5.04	20	
>C12-C28	998	25.0	"	1000		99.8	75-125	8.77	20	
Surrogate: 1-Chlorooctane	126		"	100		126	70-130			
Surrogate: o-Terphenyl	53.6		"	50.0		107	70-130			

Calibration Check (P1C2508-CCV1)

Prepared: 03/25/21 Analyzed: 03/27/21

C6-C12	450	25.0	mg/kg wet	500		90.0	85-115			
>C12-C28	491	25.0	"	500		98.3	85-115			
Surrogate: 1-Chlorooctane	104		"	100		104	70-130			
Surrogate: o-Terphenyl	45.2		"	50.0		90.3	70-130			

Calibration Check (P1C2508-CCV2)

Prepared: 03/25/21 Analyzed: 03/27/21

C6-C12	442	25.0	mg/kg wet	500		88.4	85-115			
>C12-C28	489	25.0	"	500		97.8	85-115			
Surrogate: 1-Chlorooctane	102		"	100		102	70-130			
Surrogate: o-Terphenyl	45.3		"	50.0		90.6	70-130			

Matrix Spike (P1C2508-MS1)

Source: 1C22022-36

Prepared: 03/25/21 Analyzed: 03/28/21

C6-C12	776	25.0	mg/kg dry	1000	ND	77.6	75-125			
>C12-C28	811	25.0	"	1000	10.7	80.0	75-125			
Surrogate: 1-Chlorooctane	112		"	100		112	70-130			
Surrogate: o-Terphenyl	43.4		"	50.0		86.9	70-130			

Matrix Spike Dup (P1C2508-MSD1)

Source: 1C22022-36

Prepared: 03/25/21 Analyzed: 03/28/21

C6-C12	830	25.0	mg/kg dry	1000	ND	83.0	75-125	6.78	20	
>C12-C28	844	25.0	"	1000	10.7	83.3	75-125	4.10	20	
Surrogate: 1-Chlorooctane	111		"	100		111	70-130			
Surrogate: o-Terphenyl	43.3		"	50.0		86.7	70-130			

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1C2513 - TX 1005

Blank (P1C2513-BLK1)

Prepared: 03/25/21 Analyzed: 03/28/21

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	78.6		"	100		78.6	70-130			
Surrogate: o-Terphenyl	41.9		"	50.0		83.9	70-130			

LCS (P1C2513-BS1)

Prepared: 03/25/21 Analyzed: 03/28/21

C6-C12	821	25.0	mg/kg wet	1000		82.1	75-125			
>C12-C28	847	25.0	"	1000		84.7	75-125			
Surrogate: 1-Chlorooctane	116		"	100		116	70-130			
Surrogate: o-Terphenyl	43.0		"	50.0		86.0	70-130			

LCS Dup (P1C2513-BS1)

Prepared: 03/25/21 Analyzed: 03/28/21

C6-C12	835	25.0	mg/kg wet	1000		83.5	75-125	1.59	20	
>C12-C28	866	25.0	"	1000		86.6	75-125	2.23	20	
Surrogate: 1-Chlorooctane	122		"	100		122	70-130			
Surrogate: o-Terphenyl	46.7		"	50.0		93.4	70-130			

Calibration Check (P1C2513-CCV1)

Prepared: 03/25/21 Analyzed: 03/28/21

C6-C12	430	25.0	mg/kg wet	500		86.0	85-115			
>C12-C28	439	25.0	"	500		87.8	85-115			
Surrogate: 1-Chlorooctane	89.7		"	100		89.7	70-130			
Surrogate: o-Terphenyl	40.8		"	50.0		81.7	70-130			

Calibration Check (P1C2513-CCV2)

Prepared: 03/25/21 Analyzed: 03/28/21

C6-C12	459	25.0	mg/kg wet	500		91.8	85-115			
>C12-C28	502	25.0	"	500		100	85-115			
Surrogate: 1-Chlorooctane	104		"	100		104	70-130			
Surrogate: o-Terphenyl	46.8		"	50.0		93.6	70-130			

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1C2513 - TX 1005

Matrix Spike (P1C2513-MS1)

Source: 1C22022-48

Prepared: 03/25/21 Analyzed: 03/28/21

C6-C12	1010	26.3	mg/kg dry	1050	10.1	95.2	75-125			
>C12-C28	1240	26.3	"	1050	330	86.3	75-125			
Surrogate: 1-Chlorooctane	96.2		"	105		91.4	70-130			
Surrogate: o-Terphenyl	55.9		"	52.6		106	70-130			

Matrix Spike Dup (P1C2513-MSD1)

Source: 1C22022-48

Prepared: 03/25/21 Analyzed: 03/28/21

C6-C12	1040	26.3	mg/kg dry	1050	10.1	98.1	75-125	3.01	20	
>C12-C28	1210	26.3	"	1050	330	83.2	75-125	3.71	20	
Surrogate: 1-Chlorooctane	96.6		"	105		91.7	70-130			
Surrogate: o-Terphenyl	56.5		"	52.6		107	70-130			

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

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.

R2 The RPD exceeded the acceptance limit.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

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

BULK Samples received in Bulk soil containers

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date: 4/7/2021

Brent Barron, Laboratory Director/Technical Director

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

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

Permian Basin Environmental Lab, L.P.

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

Etech Environmental

PBE

12800 W Hwy 80 E
Odessa, Texas 79765

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Phone: 432-563-2200
Fax: 432-563-2213

Project Manager: Tim McMillin

Company Name: Etech Environmental & Safety Solutions, Inc.

Company Address: PO Box 62228

City/State/Zip: Midland, Texas 79711

Telephone No: 432-563-2200

Fax No: 432-563-2213

Sampler Signature: /ace

e-mail: tim@etchenvu.com

Project Name: Crazy wolf 1H Flare

Project #: 13636

Project Loc: NM

PO #: 095684 59817

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)

ORDER #: 1022021

LAB # (lab use only)	FIELD CODE	Sample 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)	Matrix	TPH: 418.1 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	Semivolatiles	BTEX: 1022 1505030	RCI	N.O.R.M.	TDS, Bromide	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	SP-1	N/A	3-18-21	2:00	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2	SP-2			2:01	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	SP-3			2:02	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	SP-4			2:03	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	SP-5			2:04	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6	SP-6			2:05	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7	SP-7			2:06	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	SP-8			2:07	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9	SP-9			2:08	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10	SP-10			2:09	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Special Instructions:

Relinquished by: 3/27/21 10:20 Received by: 3/27/21 10:20

Relinquished by: 3/27/21 10:20 Received by: 3/27/21 10:20

Relinquished by: 3/27/21 10:20 Received by: 3/27/21 10:20

Laboratory Comments:

Sample Containers: 10

VOCs Free of Headpace? Y

Custody seals on container(s) Y

Sample Hand Delivered Y

by Sampler/Client Rep. Y

by Courier? Y

Temperature Upon Receipt: 5

DL: 5

FedEx: 5

Etech Environmental

12800 W Hwy 80 E
Odessa, Texas 79765

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Phone: 432-563-2200
Fax: 432-563-2213

Project Manager: Tim McMillinCompany Name: Etech Environmental & Safety Solutions, Inc.Company Address: PO Box 62228City/State/Zip: Midland, Texas 79711Telephone No: 432-563-2200Sampler Signature: lacc

Fax No: 432-563-2213

e-mail: tim@etechenv.comReport Format: ☒ Standard ☐ TRRP ☐ MPDESProject Name: Crazy Wolf LH floorProject #: 13636Project Loc: NMPO #: 09568 + 59817

(lab use only)

ORDER #: 1C22021

LAB # (lab use only)	FIELD CODE	Sample 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 8015 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	Semivolatiles	BTEX 60249/5030	RCI	N.O.R.M.	TDS, Bromide	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
11	SP-11	N/A	3-18-21	2:10	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
12	SP-12			2:11	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	SP-13			2:12	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	SP-14			2:13	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	SP-15			2:14	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	SP-16			2:15	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	SP-17			2:16	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	SP-18			2:17	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19	SP-19			2:18	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	SP-20			2:19	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Special Instructions:

Relinquished by: 1Date: 3/17/21Time: 10:22

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?

Labels on Containers?

Custody seals on container(s)?

Custody seals on cooler(s)?

Sample Hand Delivered by Sampler/Client Rep.?

Temperature from Data:

UPS ☒ DHL ☒ FedEx ☒ Long Star ☒

Etech Environmental

12800 W Hwy 80 E
Odessa, Texas 79765

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Phone: 432-563-2200
Fax: 432-563-2213

Project Manager: Tim McMillin

Company Name: Etech Environmental & Safety Solutions, Inc.

Company Address: PO Box 62228

City/State/Zip: Midland, Texas 79711

Telephone No: 432-563-2200

Sampler Signature: *laccr*

Fax No: 432-563-2213
e-mail: *tim@etchenv.com*

Project Name:

Crazy wolf 14 floor

Project #:

13636

Project Loc:

NM

PO #:

09568 + 59817

Report Format:

☒ Standard ☐ TRRP ☐ MPDES

(lab use only)

ORDER #:

144022021

LAB # (lab use only)	FIELD CODE	Sample 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 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	Semivolatiles	BTEX 1002 1003 1004 1005 1006	RCI	N.O.R.M.	TDS, Bromide	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
21	SP-21	N/A	3-18-21	2:20	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
22	SP-22	N/A		2:21		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23	SP-23	N/A		2:22		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24	SP-24	N/A		2:23		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25	SP-25	N/A		2:24		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26	SP-26	2'		2:25		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27	SP-27	2'		2:26		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28	SP-28	4'		2:27		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29	SP-29	4'		2:28		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30	SP-30	4'		2:29		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Special Instructions:

Relinquished by:

3/22/21

10:20

Received by:

Date

Time

Relinquished by:

3/22/21

10:20

Received by:

Date

Time

Relinquished by:

3/22/21

10:20

Received by:

Date

Time

Laboratory Comments:

Sample Containers intact?

☒

VOCs Free of Headspace?

☒

Labels on containers?

☒

Custody seals on container(s)?

☒

Sample Hand Delivered by Sampler/Client Rep.?

☒

by Courier?

☒

Etech Environmental

12800 W Hwy 80 E
Odessa, Texas 79765

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Phone: 432-563-2200
Fax: 432-563-2213

Project Manager: Tim McMillinProject Name: Crazy Wolf 1st floorCompany Name: Etech Environmental & Safety Solutions, Inc.Project #: 13036Company Address: PO Box 62228Project Loc: WMICity/State/Zip: Midland, Texas 79711PO #: 09568 & 59817Telephone No: 432-563-2200Fax No: 432-563-2213Sampler Signature: /acce-mail: for @Etechenv.com

Report Format:

☒ Standard ☐ TRRP ☐ MPDES

(lab use only)

ORDER #: IC22021

LAB # (lab use only)	FIELD CODE	Sample Depth	Date Sampled	Time Sampled	No. of Containers	Preservation & # of Containers	Matrix	TPH: 418.1 6015M 1005 1006	TCLP: <input type="checkbox"/>	Analyze For:	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
31	BH-6	3'	3-18-21	2:30	1	Ice	DW=Drinking Water SL=Sludge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cations (Ca, Mg, Na, K)	<input type="checkbox"/>	<input type="checkbox"/>
32	BH-7	3'		2:31		HNO ₃	GW = Groundwater S=Soil/Solid	<input type="checkbox"/>	<input type="checkbox"/>	Anions (Cl, SO ₄ , CO ₃ , HCO ₃)	<input type="checkbox"/>	<input type="checkbox"/>
33	BH-8	4'		2:32		HCl	NP=Non-Potable Specify Other	<input type="checkbox"/>	<input type="checkbox"/>	SAR / ESP / CEC	<input type="checkbox"/>	<input type="checkbox"/>
34	BH-9	4'		2:33		H ₂ SO ₄		<input type="checkbox"/>	<input type="checkbox"/>	Metals: As Ag Ba Cd Cr Pb Hg Se	<input type="checkbox"/>	<input type="checkbox"/>
35	BH-10	4'		2:34		NaOH		<input type="checkbox"/>	<input type="checkbox"/>	Volatiles	<input type="checkbox"/>	<input type="checkbox"/>
36	BH-11	4'		2:35		Na ₂ S ₂ O ₃		<input type="checkbox"/>	<input type="checkbox"/>	Semivolatiles	<input type="checkbox"/>	<input type="checkbox"/>
37	BH-12	4'		2:36		None		<input type="checkbox"/>	<input type="checkbox"/>	BTEX 6015M 5030	<input type="checkbox"/>	<input type="checkbox"/>
38	BH-13	3'		2:37		Other (Specify)		<input type="checkbox"/>	<input type="checkbox"/>	RCI	<input type="checkbox"/>	<input type="checkbox"/>
39	BH-14	2'		2:38		DW=Drinking Water SL=Sludge		<input type="checkbox"/>	<input type="checkbox"/>	N.O.R.M.	<input type="checkbox"/>	<input type="checkbox"/>
40	BH-15	4'		2:39		GW = Groundwater S=Soil/Solid		<input type="checkbox"/>	<input type="checkbox"/>	TDS, Bromide	<input type="checkbox"/>	<input type="checkbox"/>

Special Instructions:

Laboratory Comments:

Sample Containers intact?

Y/N

VOCs Free of Headpace?

Y/N

Labels on containers?

Y/N

Custody seals on container(s)?

Y/N

Custody seals on cooler(s)?

Y/N

Sample Hand Delivered by Sampler/Client Rep.?

Y/N

by Courier?

Y/N

Temperature (from Data)

Y/N

Etech Environmental

12800 W Hwy 80 E
Odessa, Texas 79765

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Phone: 432-563-2200
Fax: 432-563-2213

Project Manager: Tim McMillinCompany Name: Etech Environmental & Safety Solutions, Inc.Company Address: PO Box 62228City/State/Zip: Midland, Texas 79711Telephone No: 432-563-2200Sampler Signature: [Signature]Fax No: 432-563-2213e-mail: tim@etchenv.comProject Name: Lazy Wolf 14 AreaProject #: 13632Project Loc: ARMPO #: 09568 + 89817Report Format: ☒ Standard ☐ TRRP ☐ MPDES

(lab use only)		LAB # (lab use only)		FIELD CODE	Sample Depth	Date Sampled	Time Sampled	No. of Containers	Preservation & # of Containers							Matrix	Analyze For:																	
ORDER #:									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	0015M	1005	1008	TCLP:	TOTAL:	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 803 B/5030	RCI	N.O.R.M.	TDS, Bromide	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
41	W stockpile 1	W/14	3-18-21	2:46	1																													
42	W stockpile 2			2:41																														
43	W stockpile 3			2:42																														
44	W stockpile 4			2:43																														
45	W stockpile 5			2:44																														
46	W stockpile 6			2:45																														
47	W stockpile 7			2:46																														
48	past stockpile 1			2:47																														
49	past stockpile 2			2:48																														
50	past stockpile 3			2:49																														

Laboratory Comments:

Sample Containers Intact?

VOCs Free of Headspace?

Custody seals on containers?

Custody seals on cooler(s)?

Sample Hand Delivered by Sampler/Client Rep.?

Tampers/Seals Intact?

Etech Environmental

PSE

12800 W Hwy 80 E
Odessa, Texas 79765

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Phone: 432-563-2200
Fax: 432-563-2213

Project Manager: Tim McMillin

Company Name: Etech Environmental & Safety Solutions, Inc.

Company Address: PO Box 62228

City/State/Zip: Midland, Texas 79711

Telephone No: 432-563-2200

Sampler Signature: /acc

Fax No: 432-563-2213

e-mail: tim@etchenv.com

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Project Loc: WUM

PO #: 04568 + 59817

Project Name: Crazy wolf 1H flow
Project #: 13634

LAB # (lab use only)		FIELD CODE	Sample Depth	Date Sampled	Time Sampled	No. of Containers	Preservation & # of Containers						Matrix	Analyze For:															
							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 8455 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	Semivolatiles	BTEX 00212/5030	RCI	N.O.R.M.	TDS, Bromide	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT	
51	NSW	1	11/12	3-18-21	2:50	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
52	NSW	3			2:51	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
53	NSW	3			2:52	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
54	NSW	4			2:53	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
55	NSW	5			2:54	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
56	NSW	6			2:55	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
57	NSW	1			2:56	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
58	NSW	2			2:57	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
59	NSW	3			2:58	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
60	NSW	4			2:59	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Laboratory Comments:

Sample Containers Intact? ☒

VOCs Free of Headspaces? ☒

Labels on Containers? ☒

Custody seals on container(s)? ☒

Custody seals on cooler(s)? ☒

Sample Hand Delivered by Sampler/Client Rep.? ☒

by Courier? ☒

UPS ☒ DHL ☒ FedEx ☒ Long Star ☒

Etech Environmental

12800 W Hwy 80 E
Odessa, Texas 79765

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Phone: 432-563-2200
Fax: 432-563-2213

Project Manager: Tim McMillinCompany Name: Etech Environmental & Safety Solutions, Inc.Company Address: PO Box 62228City/State/Zip: Midland, Texas 79711Telephone No: 432-563-2200Fax No: 432-563-2213Sampler Signature: /acce-mail: tim@etelk.comReport Format: ☒ Standard ☐ TRRP ☐ NPDESProject Loc: W/MPO #: 09568 + 59817Project Name: Crazy Wolf 1 HdlarProject #: 13636

(lab use only)		LAB # (lab use only)	FIELD CODE	Sample Depth	Date Sampled	Time Sampled	No. of Containers	Preservation & # of Containers							Matrix	Analyze For:																		
ORDER #:								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	8015M	1005	1006	TCLP:	TOTAL:	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX: 8021M	8030	RCI	N.O.R.M.	TDS, Bromide	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
601			ESW 5	4/4	3-18-21	5:00	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
602			ESW 6			3:01	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
603			ESW 7			3:02	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
604			ESW 8			3:03	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
605			ESW 9			3:04	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
606			ESW 10			3:05	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
607			ESW 11			3:06	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
608			ESW 12			3:07	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
609			SSW - 1			3:08	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
610			SSW - 2			3:09	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Laboratory Comments:

Sample Containers Intact?

VOCs Free of Headspace?

Custody seals on container(s)?

Custody seals on cooler(s)?

Sample Hand Delivered by Sampler/Client Rep.?

by Courier? ☐ UPS ☐ DHL ☐ FedEx ☐ Lone Star ☐

23E

PO #: 09568 + 59817

e-mail: frn@stch.edu.cn

2000

Standard TAT

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Page 170 of 174

Etech Environmental

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Odessa, Texas 79765

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Phone: 432-563-2200
Fax: 432-563-2213

Project Manager: Tim McMillin

Company Name: Etech Environmental & Safety Solutions, Inc.

Company Address: PO Box 62228

City/State/Zip: Midland, Texas 79711

Telephone No: 432-563-2200

Fax No: 432-563-2213

Report Format:

☒ Standard ☐ TRRP ☐ NPDES
Sampler Signature: */accr*e-mail: *fin@etchenv.com*

Project Name:

*Crazy wolf 1H Place*Project #: *13634*Project Loc: *Wm*PO #: *09568 + 59817*

(lab use only)

ORDER #: *1C2022*

LAB # (lab use only)	FIELD CODE	Sample Depth	Date Sampled	Time Sampled	No. of Containers	Preservation & # of Containers	Matrix	TPH: 418.1 8015 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 40215 5030	RCI	N.O.R.M.	TDS, Bromide	C h l o r i d e s	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
11	WSW-7	W/A	3-28-21	3:20	1		SS														
12	WSW-8			3:21																	
13	WSW-9			3:22																	
14	WSW-10			3:23																	
15	WP-1			3:24																	
16	WP-2			3:25																	
17	WP-3			3:26																	
18	WP-4			3:27																	
19	WP-5			3:28																	
20	WP-6			3:29																	

Special Instructions:

Relinquished by:

Date: *3/22/2020*

Received by:

Date:

Time:

Relinquished by:

Date:

Received by:

Date:

Time:

Relinquished by:

Date:

Received by:

Date:

Time:

*Shirley Blalock**3/24/21**10:21*

Laboratory Comments:

Sample Containers: *inadeq*

VOCs Free of Headspace? *Y*

Labels on containers? *Y*

Custody seals on container(s)? *Y*

Custody seals on cooler(s)? *Y*

Sample Hand Delivered by Sampler/Client Rep.? *Y*

by Courier? *Y*

UPS *Y*

DHL *Y*

FedEx *Y*

Other *Y*

Temperature: *11.0*

Date: *3/22/2020*

Time: *10:21*

Etech Environmental

12800 W Hwy 80 E
Odessa, Texas 79765

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Phone: 432-563-2200
Fax: 432-563-2213

Project Manager: Tim McMillin

Project Name: Crazy wolf 14 Area

Company Name: Etech Environmental & Safety Solutions, Inc.

Project #: 13636

Company Address: PO Box 62228

Project Loc: Wm

City/State/Zip: Midland, Texas 79711

PO #: 09568 + 59817

Telephone No: 432-563-2200

Fax No: 432-563-2213

Report Format: ☒ Standard ☐ TRRP ☐ MPDES

Sampler Signature: Lee

e-mail: fin@etchenv.com

(lab use only)

ORDER #: 102022

LAB # (lab use only)	FIELD CODE	Sample Depth	Date Sampled	Time Sampled	No. of Containers	Preservation & # of Containers										Matrix	Analyze For:													
						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 60150 1005 1008	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	Semivolatiles	BTEX 8021 75030	RCI	N.O.R.M.	TDS, Bromide	C h l o r i d e s	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
21	SSW-3	W/A	3-18-21	3:10	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
22	SSW-4			3:11	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23	SSW-5			3:12	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24	SSW-6			3:13	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25	SSW-1			3:14	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26	SSW-2			3:15	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27	SSW-3			3:16	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28	SSW-4			3:17	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29	SSW-5			3:18	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30	SSW-6			3:19	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Special Instructions:

Laboratory Comments:

Sample Containers: 1

VOCs Free of Headspace? Y

Seals on Containers? Y

Custody seals on container(s)? Y

Custody seals on cooler(s)? Y

Sample Hand Delivered by Sampler/Client Rep.?

by Courier? Y

UPS Y

DHL Y

Express, Lone Star Y

Etech Environmental

12800 W Hwy 80 E
Odessa, Texas 79765

PBE

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Phone: 432-563-2200
Fax: 432-563-2213

Project Manager: Tim McMillinCompany Name: Etech Environmental & Safety Solutions, Inc.Company Address: PO Box 62228City/State/Zip: Midland, Texas 79711Telephone No: 432-563-2200Fax No: 432-563-2213Sampler Signature: /acce-mail: tim@Etechenv.com

Report Format:

☒ Standard ☐ TRRP ☐ MPDES
Project Loc: WmPO #: 09568 + 59817Project Name: Crazy wolf 14 flarProject #: 13636

(lab use only)		LAB # (lab use only)	FIELD CODE	Sample Depth	Date Sampled	Time Sampled	No. of Containers	Preservation & # of Containers								Matrix	Analyze For:																
ORDER #:								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: 418.1-807.1-1005 1008	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	Semivolatiles	BTEX 802.1-5030	RCI	N.O.R.M.	TDS, Bromide	C h l o r i d e s	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT	
31			PS-7	W/A	3-15-21	3:40	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
32			PS-8					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
33			PS-9					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
34			WP-1					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
35			WP-2					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
36			WP-3					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
37			WP-4					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
38			WP-5					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
39			WP-6					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40			WP-7					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Special Instructions:

Laboratory Comments:

Sample Containers Intact?

VOCs Free of Headspace?

Labels on containers?

Custody seals on container(s)?

Sample Hand Delivered by Sampler/Client Rep.?

by Courier?

Termination/Non-Delivery

Y

Y

Y

Y

Y

Y

Y

N

N

N

N

N

N

N

N

N

N

N

N

N

N

E-tech Environmental

132

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Phone: 432-563-2200
Fax: 432-563-2213

Project Manager: Tim McMin

Company Name Etech Environmental & Safety Solutions, Inc

Company Address: PO Box 622228

City/State/Zip: Midland, Texas 79711

Telephone No: 432-563-2200

Sampler Signature:

Fax No: 432-563-2213

e-mail: fin@etchenv.com

Report Format:

☒ Standard ☐ TRRP ☐ NPDES

Project Loc: WV

PO #: 045684 59817

Project Name:

Crazy wold 14 June

Project #: 15634

(lab use only)		ORDER #:
		1027022
LAB # (lab use only)		
FIELD CODE		
Sample Depth		
Date Sampled		
Time Sampled		
No. of Containers		
<input type="checkbox"/> Ice	<input checked="" type="checkbox"/>	
<input type="checkbox"/> HNO ₃	<input type="checkbox"/>	
<input type="checkbox"/> HCl	<input type="checkbox"/>	
<input type="checkbox"/> H ₂ SO ₄	<input type="checkbox"/>	
<input type="checkbox"/> NaOH	<input type="checkbox"/>	
<input type="checkbox"/> Na ₂ S ₂ O ₃	<input type="checkbox"/>	
<input type="checkbox"/> None	<input type="checkbox"/>	
<input type="checkbox"/> Other (Specify)	<input type="checkbox"/>	
DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	SS	
TPH: 418.1 8015 1005 1006	<input type="checkbox"/>	
Cations (Ca, Mg, Na, K)	<input type="checkbox"/>	
Anions (Cl, SO ₄ , CO ₃ , HCO ₃)	<input type="checkbox"/>	
SAR / ESP / CEC	<input type="checkbox"/>	
Metals: As Ag Ba Cd Cr Pb Hg Se	<input type="checkbox"/>	
Volatiles	<input type="checkbox"/>	
Semivolatiles	<input type="checkbox"/>	
BTEX 8021b 5030	<input type="checkbox"/>	
RCI	<input type="checkbox"/>	
N.O.R.M.	<input type="checkbox"/>	
TDS, Bromide	<input type="checkbox"/>	
RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	<input type="checkbox"/>	
Standard TAT	<input checked="" type="checkbox"/>	

Laboratory Comments:

VOCs Free of Headspace?

Custody seals on containers

Sample Hand Delivered

by Courier? UPS

Tammara:ro Inon Dore:

52

Released to Imaging: 11/15/2021 2:35:43 PM

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



Analytical Report

Prepared for:

Tim McMinn

E Tech Environmental & Safety Solutions, Inc. [1]

13000 West County Road 100

Odessa, TX 79765

Project: Crazy Wolf 1H Flare

Project Number: 13636

Location: Lea County, NM

Lab Order Number: 1D28012



Current Certification

Report Date: 05/03/21

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

Project: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom Hole 5A @ 72"	1D28012-01	Soil	04/27/21 08:00	04-28-2021 13:45
Bottom Hole 6A @ 72"	1D28012-02	Soil	04/27/21 08:03	04-28-2021 13:45
Bottom Hole 7A @ 72"	1D28012-03	Soil	04/27/21 08:06	04-28-2021 13:45
Bottom Hole 8A @ 72"	1D28012-04	Soil	04/27/21 08:09	04-28-2021 13:45
Bottom Hole 9A @ 72"	1D28012-05	Soil	04/27/21 08:12	04-28-2021 13:45
Bottom Hole 10A @ 72"	1D28012-06	Soil	04/27/21 08:15	04-28-2021 13:45
Sample Point 2 7A @ 6"	1D28012-07	Soil	04/27/21 08:18	04-28-2021 13:45
Sample Point 2 4A @ 6"	1D28012-08	Soil	04/27/21 08:21	04-28-2021 13:45
North Side Wall 2A @ 36"	1D28012-09	Soil	04/27/21 08:24	04-28-2021 13:45
West Side Wall 4A @ 72"	1D28012-10	Soil	04/27/21 08:27	04-28-2021 13:45
West Side Wall 5A @ 72"	1D28012-11	Soil	04/27/21 08:30	04-28-2021 13:45
West Side Wall 6A @ 72"	1D28012-12	Soil	04/27/21 08:33	04-28-2021 13:45
West Side Wall 7A @ 72"	1D28012-13	Soil	04/27/21 08:36	04-28-2021 13:45
West Side Wall 8A @ 72"	1D28012-14	Soil	04/27/21 08:39	04-28-2021 13:45
West Side Wall 9A @ 72"	1D28012-15	Soil	04/27/21 08:42	04-28-2021 13:45
East Side Wall 5A @ 48"	1D28012-16	Soil	04/27/21 08:45	04-28-2021 13:45
East Side Wall 8A @ 5'	1D28012-17	Soil	04/27/21 08:48	04-28-2021 13:45
Stockpile East 1A	1D28012-18	Soil	04/27/21 08:51	04-28-2021 13:45
Stockpile East 3A	1D28012-19	Soil	04/27/21 08:54	04-28-2021 13:45

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

Project: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

Bottom Hole 5A @ 72"

1D28012-01 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	1.0	0.1	%	1	P1D2902	04/29/21 08:25	04/29/21 08:33	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 19:02	TPH 8015M
>C12-C28	38.1	25.3	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 19:02	TPH 8015M
>C28-C35	ND	25.3	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 19:02	TPH 8015M
Surrogate: 1-Chlorooctane	102 %	70-130			P1D2904	04/29/21 13:45	04/30/21 19:02	TPH 8015M
Surrogate: o-Terphenyl	104 %	70-130			P1D2904	04/29/21 13:45	04/30/21 19:02	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	38.1	25.3	mg/kg dry	1	[CALC]	04/29/21 13:45	04/30/21 19:02	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

Bottom Hole 6A @ 72"

1D28012-02 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	2.0	0.1	%	1	P1D2902	04/29/21 08:25	04/29/21 08:33	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M								
C6-C12	ND	25.5	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 19:24	TPH 8015M
>C12-C28	ND	25.5	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 19:24	TPH 8015M
>C28-C35	ND	25.5	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 19:24	TPH 8015M
Surrogate: 1-Chlorooctane	96.4 %		70-130		P1D2904	04/29/21 13:45	04/30/21 19:24	TPH 8015M
Surrogate: o-Terphenyl	100 %		70-130		P1D2904	04/29/21 13:45	04/30/21 19:24	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	04/29/21 13:45	04/30/21 19:24	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

Bottom Hole 7A @ 72"

1D28012-03 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	1.0	0.1	%	1	P1D2902	04/29/21 08:25	04/29/21 08:33	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M								
C6-C12	ND	25.3	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 19:46	TPH 8015M
>C12-C28	ND	25.3	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 19:46	TPH 8015M
>C28-C35	ND	25.3	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 19:46	TPH 8015M
Surrogate: 1-Chlorooctane	98.0 %	70-130			P1D2904	04/29/21 13:45	04/30/21 19:46	TPH 8015M
Surrogate: o-Terphenyl	99.5 %	70-130			P1D2904	04/29/21 13:45	04/30/21 19:46	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	04/29/21 13:45	04/30/21 19:46	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

Bottom Hole 8A @ 72"

1D28012-04 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	1.0	0.1	%	1	P1D2902	04/29/21 08:25	04/29/21 08:33	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M								
C6-C12	ND	25.3	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 20:09	TPH 8015M
>C12-C28	ND	25.3	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 20:09	TPH 8015M
>C28-C35	ND	25.3	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 20:09	TPH 8015M
Surrogate: 1-Chlorooctane	95.8 %	70-130			P1D2904	04/29/21 13:45	04/30/21 20:09	TPH 8015M
Surrogate: o-Terphenyl	99.2 %	70-130			P1D2904	04/29/21 13:45	04/30/21 20:09	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	04/29/21 13:45	04/30/21 20:09	calc

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

Bottom Hole 9A @ 72"

1D28012-05 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	2.0	0.1	%	1	P1D2902	04/29/21 08:25	04/29/21 08:33	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 20:32	TPH 8015M
>C12-C28	ND	25.5	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 20:32	TPH 8015M
>C28-C35	ND	25.5	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 20:32	TPH 8015M
Surrogate: 1-Chlorooctane	92.3 %		70-130		P1D2904	04/29/21 13:45	04/30/21 20:32	TPH 8015M
Surrogate: o-Terphenyl	95.4 %		70-130		P1D2904	04/29/21 13:45	04/30/21 20:32	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	04/29/21 13:45	04/30/21 20:32	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

Bottom Hole 10A @ 72"

1D28012-06 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	ND	0.1	%	1	P1D2902	04/29/21 08:25	04/29/21 08:33	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 20:55	TPH 8015M
>C12-C28	ND	25.0	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 20:55	TPH 8015M
>C28-C35	ND	25.0	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 20:55	TPH 8015M
Surrogate: 1-Chlorooctane	89.6 %	70-130			P1D2904	04/29/21 13:45	04/30/21 20:55	TPH 8015M
Surrogate: o-Terphenyl	87.8 %	70-130			P1D2904	04/29/21 13:45	04/30/21 20:55	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	04/29/21 13:45	04/30/21 20:55	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

Sample Point 2 7A @ 6"
1D28012-07 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	3.0	0.1	%	1	P1D2902	04/29/21 08:25	04/29/21 08:33	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M								
C6-C12	ND	25.8	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 21:18	TPH 8015M
>C12-C28	623	25.8	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 21:18	TPH 8015M
>C28-C35	116	25.8	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 21:18	TPH 8015M
Surrogate: 1-Chlorooctane	87.1 %		70-130		P1D2904	04/29/21 13:45	04/30/21 21:18	TPH 8015M
Surrogate: o-Terphenyl	91.1 %		70-130		P1D2904	04/29/21 13:45	04/30/21 21:18	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	739	25.8	mg/kg dry	1	[CALC]	04/29/21 13:45	04/30/21 21:18	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

Sample Point 2 4A @ 6"
1D28012-08 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	1.0	0.1	%	1	P1D2902	04/29/21 08:25	04/29/21 08:33	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M								
C6-C12	ND	25.3	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 21:42	TPH 8015M
>C12-C28	126	25.3	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 21:42	TPH 8015M
>C28-C35	31.9	25.3	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 21:42	TPH 8015M
Surrogate: 1-Chlorooctane	81.7 %		70-130		P1D2904	04/29/21 13:45	04/30/21 21:42	TPH 8015M
Surrogate: o-Terphenyl	83.1 %		70-130		P1D2904	04/29/21 13:45	04/30/21 21:42	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	158	25.3	mg/kg dry	1	[CALC]	04/29/21 13:45	04/30/21 21:42	calc

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

North Side Wall 2A @ 36"
1D28012-09 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	ND	0.1	%	1	P1D2902	04/29/21 08:25	04/29/21 08:33	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 22:54	TPH 8015M
>C12-C28	36.7	25.0	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 22:54	TPH 8015M
>C28-C35	ND	25.0	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 22:54	TPH 8015M
Surrogate: 1-Chlorooctane	82.8 %	70-130			P1D2904	04/29/21 13:45	04/30/21 22:54	TPH 8015M
Surrogate: o-Terphenyl	79.6 %	70-130			P1D2904	04/29/21 13:45	04/30/21 22:54	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	36.7	25.0	mg/kg dry	1	[CALC]	04/29/21 13:45	04/30/21 22:54	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

West Side Wall 4A @ 72"

1D28012-10 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	ND	0.1	%	1	P1D2902	04/29/21 08:25	04/29/21 08:33	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 23:17	TPH 8015M
>C12-C28	53.9	25.0	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 23:17	TPH 8015M
>C28-C35	ND	25.0	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 23:17	TPH 8015M
Surrogate: 1-Chlorooctane	80.4 %		70-130		P1D2904	04/29/21 13:45	04/30/21 23:17	TPH 8015M
Surrogate: o-Terphenyl	82.8 %		70-130		P1D2904	04/29/21 13:45	04/30/21 23:17	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	53.9	25.0	mg/kg dry	1	[CALC]	04/29/21 13:45	04/30/21 23:17	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

West Side Wall 5A @ 72"

1D28012-11 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	1.0	0.1	%	1	P1D2902	04/29/21 08:25	04/29/21 08:33	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 23:41	TPH 8015M
>C12-C28	ND	25.3	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 23:41	TPH 8015M
>C28-C35	ND	25.3	mg/kg dry	1	P1D2904	04/29/21 13:45	04/30/21 23:41	TPH 8015M
Surrogate: 1-Chlorooctane	82.8 %		70-130		P1D2904	04/29/21 13:45	04/30/21 23:41	TPH 8015M
Surrogate: o-Terphenyl	85.8 %		70-130		P1D2904	04/29/21 13:45	04/30/21 23:41	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	04/29/21 13:45	04/30/21 23:41	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

West Side Wall 6A @ 72"

1D28012-12 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	1.0	0.1	%	1	P1D2902	04/29/21 08:25	04/29/21 08:33	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P1D2904	04/29/21 13:45	05/01/21 00:05	TPH 8015M
>C12-C28	ND	25.3	mg/kg dry	1	P1D2904	04/29/21 13:45	05/01/21 00:05	TPH 8015M
>C28-C35	ND	25.3	mg/kg dry	1	P1D2904	04/29/21 13:45	05/01/21 00:05	TPH 8015M
Surrogate: 1-Chlorooctane	84.2 %		70-130		P1D2904	04/29/21 13:45	05/01/21 00:05	TPH 8015M
Surrogate: o-Terphenyl	83.3 %		70-130		P1D2904	04/29/21 13:45	05/01/21 00:05	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	04/29/21 13:45	05/01/21 00:05	calc

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

West Side Wall 7A @ 72"

1D28012-13 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	2.0	0.1	%	1	P1D2902	04/29/21 08:25	04/29/21 08:33	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M								
C6-C12	ND	25.5	mg/kg dry	1	P1D2904	04/29/21 13:45	05/01/21 00:29	TPH 8015M
>C12-C28	ND	25.5	mg/kg dry	1	P1D2904	04/29/21 13:45	05/01/21 00:29	TPH 8015M
>C28-C35	ND	25.5	mg/kg dry	1	P1D2904	04/29/21 13:45	05/01/21 00:29	TPH 8015M
Surrogate: 1-Chlorooctane	85.2 %		70-130		P1D2904	04/29/21 13:45	05/01/21 00:29	TPH 8015M
Surrogate: o-Terphenyl	89.7 %		70-130		P1D2904	04/29/21 13:45	05/01/21 00:29	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	04/29/21 13:45	05/01/21 00:29	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

West Side Wall 8A @ 72"

1D28012-14 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	1.0	0.1	%	1	P1D2902	04/29/21 08:25	04/29/21 08:33	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P1D2904	04/29/21 13:45	05/01/21 00:52	TPH 8015M
>C12-C28	ND	25.3	mg/kg dry	1	P1D2904	04/29/21 13:45	05/01/21 00:52	TPH 8015M
>C28-C35	ND	25.3	mg/kg dry	1	P1D2904	04/29/21 13:45	05/01/21 00:52	TPH 8015M
Surrogate: 1-Chlorooctane	80.2 %		70-130		P1D2904	04/29/21 13:45	05/01/21 00:52	TPH 8015M
Surrogate: o-Terphenyl	84.1 %		70-130		P1D2904	04/29/21 13:45	05/01/21 00:52	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	04/29/21 13:45	05/01/21 00:52	calc

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

West Side Wall 9A @ 72"

1D28012-15 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	ND	0.1	%	1	P1D2902	04/29/21 08:25	04/29/21 08:33	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1D2904	04/29/21 13:45	05/01/21 01:16	TPH 8015M
>C12-C28	ND	25.0	mg/kg dry	1	P1D2904	04/29/21 13:45	05/01/21 01:16	TPH 8015M
>C28-C35	ND	25.0	mg/kg dry	1	P1D2904	04/29/21 13:45	05/01/21 01:16	TPH 8015M
Surrogate: 1-Chlorooctane	85.4 %	70-130			P1D2904	04/29/21 13:45	05/01/21 01:16	TPH 8015M
Surrogate: o-Terphenyl	79.7 %	70-130			P1D2904	04/29/21 13:45	05/01/21 01:16	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	04/29/21 13:45	05/01/21 01:16	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

East Side Wall 5A @ 48"
1D28012-16 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	ND	0.1	%	1	P1D2902	04/29/21 08:25	04/29/21 08:33	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P1D2904	04/29/21 13:45	05/01/21 01:39	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1D2904	04/29/21 13:45	05/01/21 01:39	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1D2904	04/29/21 13:45	05/01/21 01:39	TPH 8015M	
Surrogate: 1-Chlorooctane	70.2 %	70-130			P1D2904	04/29/21 13:45	05/01/21 01:39	TPH 8015M	
Surrogate: o-Terphenyl	67.5 %	70-130			P1D2904	04/29/21 13:45	05/01/21 01:39	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	04/29/21 13:45	05/01/21 01:39	calc	

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

East Side Wall 8A @ 5'
1D28012-17 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	1.0	0.1	%	1	P1D2902	04/29/21 08:25	04/29/21 08:33	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M								
C6-C12	ND	25.3	mg/kg dry	1	P1D2904	04/29/21 13:45	05/01/21 02:03	TPH 8015M
>C12-C28	ND	25.3	mg/kg dry	1	P1D2904	04/29/21 13:45	05/01/21 02:03	TPH 8015M
>C28-C35	ND	25.3	mg/kg dry	1	P1D2904	04/29/21 13:45	05/01/21 02:03	TPH 8015M
Surrogate: 1-Chlorooctane	72.6 %		70-130		P1D2904	04/29/21 13:45	05/01/21 02:03	TPH 8015M
Surrogate: o-Terphenyl	77.2 %		70-130		P1D2904	04/29/21 13:45	05/01/21 02:03	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	04/29/21 13:45	05/01/21 02:03	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

Stockpile East 1A
1D28012-18 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	1.0	0.1	%	1	PID2902	04/29/21 08:25	04/29/21 08:33	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M								
C6-C12	126	25.3	mg/kg dry	1	PID2904	04/29/21 13:45	05/01/21 02:27	TPH 8015M
>C12-C28	1840	25.3	mg/kg dry	1	PID2904	04/29/21 13:45	05/01/21 02:27	TPH 8015M
>C28-C35	217	25.3	mg/kg dry	1	PID2904	04/29/21 13:45	05/01/21 02:27	TPH 8015M
Surrogate: 1-Chlorooctane	80.6 %		70-130		PID2904	04/29/21 13:45	05/01/21 02:27	TPH 8015M
Surrogate: o-Terphenyl	77.9 %		70-130		PID2904	04/29/21 13:45	05/01/21 02:27	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	2180	25.3	mg/kg dry	1	[CALC]	04/29/21 13:45	05/01/21 02:27	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

Stockpile East 3A
1D28012-19 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	1.0	0.1	%	1	PID2902	04/29/21 08:25	04/29/21 08:33	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M								
C6-C12	170	25.3	mg/kg dry	1	PID3005	04/30/21 15:38	04/30/21 20:01	TPH 8015M
>C12-C28	1900	25.3	mg/kg dry	1	PID3005	04/30/21 15:38	04/30/21 20:01	TPH 8015M
>C28-C35	295	25.3	mg/kg dry	1	PID3005	04/30/21 15:38	04/30/21 20:01	TPH 8015M
Surrogate: 1-Chlorooctane	116 %	70-130			PID3005	04/30/21 15:38	04/30/21 20:01	TPH 8015M
Surrogate: o-Terphenyl	127 %	70-130			PID3005	04/30/21 15:38	04/30/21 20:01	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	2370	25.3	mg/kg dry	1	[CALC]	04/30/21 15:38	04/30/21 20:01	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1D2902 - * DEFAULT PREP *****

Blank (P1D2902-BLK1)				Prepared & Analyzed: 04/29/21						
% Moisture	ND	0.1	%							
Duplicate (P1D2902-DUP1)				Source: 1D28001-06		Prepared & Analyzed: 04/29/21				
% Moisture	4.0	0.1	%		4.0			0.00	20	
Duplicate (P1D2902-DUP2)				Source: 1D28004-04		Prepared & Analyzed: 04/29/21				
% Moisture	1.0	0.1	%		1.0			0.00	20	
Duplicate (P1D2902-DUP3)				Source: 1D28006-02		Prepared & Analyzed: 04/29/21				
% Moisture	13.0	0.1	%		13.0			0.00	20	
Duplicate (P1D2902-DUP4)				Source: 1D28007-06		Prepared & Analyzed: 04/29/21				
% Moisture	26.0	0.1	%		26.0			0.00	20	
Duplicate (P1D2902-DUP5)				Source: 1D28012-09		Prepared & Analyzed: 04/29/21				
% Moisture	ND	0.1	%		ND				20	
Duplicate (P1D2902-DUP6)				Source: 1D28012-19		Prepared & Analyzed: 04/29/21				
% Moisture	1.0	0.1	%		1.0			0.00	20	

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1D2904 - TX 1005

Blank (P1D2904-BLK1)

Prepared: 04/29/21 Analyzed: 04/30/21

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	98.2		"	100		98.2	70-130			
Surrogate: o-Terphenyl	51.5		"	50.0		103	70-130			

LCS (P1D2904-BS1)

Prepared: 04/29/21 Analyzed: 04/30/21

C6-C12	1090	25.0	mg/kg wet	1000		109	75-125			
>C12-C28	1090	25.0	"	1000		109	75-125			
Surrogate: 1-Chlorooctane	101		"	100		101	70-130			
Surrogate: o-Terphenyl	57.6		"	50.0		115	70-130			

LCS Dup (P1D2904-BSD1)

Prepared: 04/29/21 Analyzed: 04/30/21

C6-C12	1090	25.0	mg/kg wet	1000		109	75-125	0.247	20	
>C12-C28	1100	25.0	"	1000		110	75-125	0.372	20	
Surrogate: 1-Chlorooctane	102		"	100		102	70-130			
Surrogate: o-Terphenyl	55.9		"	50.0		112	70-130			

Calibration Check (P1D2904-CCV1)

Prepared: 04/29/21 Analyzed: 04/30/21

C6-C12	511	25.0	mg/kg wet	500		102	85-115			
>C12-C28	554	25.0	"	500		111	85-115			
Surrogate: 1-Chlorooctane	116		"	100		116	70-130			
Surrogate: o-Terphenyl	53.6		"	50.0		107	70-130			

Calibration Check (P1D2904-CCV2)

Prepared: 04/29/21 Analyzed: 04/30/21

C6-C12	441	25.0	mg/kg wet	500		88.3	85-115			
>C12-C28	455	25.0	"	500		91.0	85-115			
Surrogate: 1-Chlorooctane	99.3		"	100		99.3	70-130			
Surrogate: o-Terphenyl	44.7		"	50.0		89.3	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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1D2904 - TX 1005

Matrix Spike (P1D2904-MS1)	Source: 1D28012-03			Prepared: 04/29/21		Analyzed: 05/01/21				
C6-C12	859	25.3	mg/kg dry	1010	ND	85.0	75-125			
>C12-C28	898	25.3	"	1010	ND	88.9	75-125			
Surrogate: 1-Chlorooctane	115		"	101		114	70-130			
Surrogate: o-Terphenyl	40.1		"	50.5		79.5	70-130			

Batch P1D3005 - TX 1005

Blank (P1D3005-BLK1)	Prepared & Analyzed: 04/30/21									
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	103		"	100		103	70-130			
Surrogate: o-Terphenyl	53.8		"	50.0		108	70-130			

LCS (P1D3005-BS1)	Prepared & Analyzed: 04/30/21									
C6-C12	1030	25.0	mg/kg wet	1000		103	75-125			
>C12-C28	981	25.0	"	1000		98.1	75-125			
Surrogate: 1-Chlorooctane	106		"	100		106	70-130			
Surrogate: o-Terphenyl	59.2		"	50.0		118	70-130			

LCS Dup (P1D3005-BSD1)	Prepared & Analyzed: 04/30/21									
C6-C12	1050	25.0	mg/kg wet	1000		105	75-125	1.43	20	
>C12-C28	999	25.0	"	1000		99.9	75-125	1.85	20	
Surrogate: 1-Chlorooctane	109		"	100		109	70-130			
Surrogate: o-Terphenyl	54.9		"	50.0		110	70-130			

Calibration Check (P1D3005-CCV1)	Prepared & Analyzed: 04/30/21									
C6-C12	500	25.0	mg/kg wet	500		100	85-115			
>C12-C28	500	25.0	"	500		99.9	85-115			
Surrogate: 1-Chlorooctane	104		"	100		104	70-130			
Surrogate: o-Terphenyl	55.7		"	50.0		111	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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1D3005 - TX 1005

Calibration Check (P1D3005-CCV2)

Prepared: 04/30/21 Analyzed: 05/01/21

C6-C12	456	25.0	mg/kg wet	500		91.3	85-115			
>C12-C28	443	25.0	"	500		88.5	85-115			
Surrogate: 1-Chlorooctane	94.9		"	100		94.9	70-130			
Surrogate: o-Terphenyl	50.1		"	50.0		100	70-130			

Calibration Check (P1D3005-CCV3)

Prepared: 04/30/21 Analyzed: 05/01/21

C6-C12	441	25.0	mg/kg wet	500		88.1	85-115			
>C12-C28	497	25.0	"	500		99.4	85-115			
Surrogate: 1-Chlorooctane	93.5		"	100		93.5	70-130			
Surrogate: o-Terphenyl	49.3		"	50.0		98.6	70-130			

Matrix Spike (P1D3005-MS1)

Source: 1D29008-01

Prepared: 04/30/21 Analyzed: 05/01/21

C6-C12	1040	126	mg/kg dry	1010	175	85.1	75-125			
>C12-C28	8100	126	"	1010	8770	NR	75-125			
Surrogate: 1-Chlorooctane	91.7		"	101		90.8	70-130			
Surrogate: o-Terphenyl	51.4		"	50.5		102	70-130			

Matrix Spike Dup (P1D3005-MSD1)

Source: 1D29008-01

Prepared: 04/30/21 Analyzed: 05/01/21

C6-C12	984	126	mg/kg dry	1010	175	80.0	75-125	6.20	20	
>C12-C28	7950	126	"	1010	8770	NR	75-125	NR	20	
Surrogate: 1-Chlorooctane	89.1		"	101		88.2	70-130			
Surrogate: o-Terphenyl	62.3		"	50.5		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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

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

BULK Samples received in Bulk soil containers

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By: _____



Date: 5/3/2021

Brent Barron, Laboratory Director/Technical Director

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

Permian Basin Environmental Lab, L.P.

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

PBMLAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

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

Fax No: _____

e-mail: Matt@etechenv.com
tim@etechenv.comProject Name: Crazy Wolf 1H FlowProject #: 13636Project Loc: Lea, Co. NM

PO #: _____

Report Format: ☒ Standard☐ TRRP☐ NPDES

(lab use only)

ORDER #: ID28012

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. 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 8015M 8015B	TPH: TX 1005 Ext TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	Bottom Hile SA	0'	72"	4-27-21	8:00	1	1	1								S	X													
2	Bottom Hile bA	0'	72"		8:03	1	1	1								S	X													
3	Bottom Hile 7A	0'	72"		8:06	1	1	1								S	X													
4	Bottom Hile 8A	0'	72"		8:09	1	1	1								S	X													
5	Bottom Hile 9A	0'	72"		8:12	1	1	1								S	X													
6	Bottom Hile 10A	0'	72"		8:15	1	1	1								S	X													
7	Sample Point 2 7A	0'	6"		8:18	1	1	1								S	X													
8	Sample Point 2 4A	0'	6"		8:21	1	1	1								S	X													
9	North side wall 2A	0'	26"		8:24	1	1	1								S	X													
10	West side wall 4A	0'	72"		8:27	1	1	1								S	X													
11	West side wall SA	0'	72"		8:30	1	1	1								S	X													
12	West side wall bA	0'	72"		8:33	1	1	1								S	X													

Special Instructions: Bill to Centennial

Relinquished by: Matt StanDate: 4/28/21Time: 13:45

Received by: _____

Date: _____

Time: _____

Relinquished by: _____

Date: _____

Time: _____

Received by: _____

Date: _____

Time: _____

Relinquished by: _____

Date: _____

Time: _____

Received by: _____

Date: 4/28/21Time: 13:45

Laboratory Comments:

Sample Containers intact?

VOCs Free of Headspace?

Labels on containers?

Custody seals on container(s)?

Custody seals on cooler(s)?

Sample Hand Delivered by Sampler/Client Rep?

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: _____

Received: 4.5.1

Adjusted: _____

C Factor: _____

PBMLAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

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

Fax No: _____

e-mail: Matt@ettechenv.com
tim@ettechenv.comProject Name: Levy Wolf 1H EliseProject #: 13636Project Loc: Levy Co. NM

PO #: _____

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)

ORDER #: ID 28012

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers								Matrix	TPH: 418.1 8015M 8015B	TPH: TX 1005 Ext TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
								Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)															
13	West side wall 7A	0'	72"	4-27-21	8:36		1																							
14	West side wall 2A	0'	72"		8:39		1																							
15	West side wall 1A	0'	72"		8:42		1																							
16	East side wall 5A	0'	48"		8:45		1																							
17	East side wall 8A	0'	5'		8:48		1																							
18	Static east 1A				8:51		1																							
19	Static east 2A				8:54		1																							

Special Instructions:

Bill to Centennial

Relinquished by: Matt Stan Date: 4/28/21 Time: 3:45 Received by: _____

Relinquished by: _____ Date: _____ Time: _____ Received by: _____

Relinquished by: _____ Date: _____ Time: _____ Received by: _____

Laboratory Comments:

Sample Containers Intact?

VOCs Free of Headspace?

Labels on containers?

Custody seals on container(s)?

Sample Hand Delivered

by Sampler/Client Rep?

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt

Adjusted: 45.1 °C Factor 0.94

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



Analytical Report

Prepared for:

Tim McMinn

E Tech Environmental & Safety Solutions, Inc. [1]

13000 West County Road 100

Odessa, TX 79765

Project: Crazy Wolf 1H Flare

Project Number: 13636

Location: Lea County, NM

Lab Order Number: 1E05003



Current Certification

Report Date: 05/11/21

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

Project: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Stockpile 1 Pasture	1E05003-01	Soil	04/30/21 08:00	05-04-2021 16:45
Stockpile 2 Pasture	1E05003-02	Soil	04/30/21 08:02	05-04-2021 16:45
Stockpile 3 Pasture	1E05003-03	Soil	04/30/21 08:04	05-04-2021 16:45
West Stockpile 1A	1E05003-04	Soil	04/30/21 08:06	05-04-2021 16:45
West Stockpile 2A	1E05003-05	Soil	04/30/21 08:08	05-04-2021 16:45
West Stockpile 3A	1E05003-06	Soil	04/30/21 08:10	05-04-2021 16:45
West Stockpile 4A	1E05003-07	Soil	04/30/21 08:12	05-04-2021 16:45
West Stockpile 5A	1E05003-08	Soil	04/30/21 08:14	05-04-2021 16:45
North Perimeter 3A	1E05003-09	Soil	04/30/21 08:16	05-04-2021 16:45
North Perimeter 4A	1E05003-10	Soil	04/30/21 08:18	05-04-2021 16:45
North Perimeter 6A	1E05003-11	Soil	04/30/21 08:20	05-04-2021 16:45
North Perimeter 7A	1E05003-12	Soil	04/30/21 08:22	05-04-2021 16:45
North Perimeter 8A	1E05003-13	Soil	04/30/21 08:24	05-04-2021 16:45
North Perimeter 9A	1E05003-14	Soil	04/30/21 08:26	05-04-2021 16:45
Sample Point 1A	1E05003-15	Soil	04/30/21 08:28	05-04-2021 16:45
Sample Point 8A	1E05003-16	Soil	04/30/21 08:30	05-04-2021 16:45
Bottom Hole 13 @ 5'	1E05003-17	Soil	04/30/21 08:34	05-04-2021 16:45
Bottom Hole 16 @ 5'	1E05003-18	Soil	04/30/21 08:36	05-04-2021 16:45
Bottom Hole 17 @ 3'	1E05003-19	Soil	04/30/21 08:38	05-04-2021 16:45
Bottom Hole 18 @ 5'	1E05003-20	Soil	04/30/21 08:40	05-04-2021 16:45
Bottom Hole 19 @ 5'	1E05003-21	Soil	04/30/21 08:32	05-04-2021 16:45
Bottom Hole 20 @ 5'	1E05003-22	Soil	04/30/21 08:42	05-04-2021 16:45
Bottom Hole 21 @ 5'	1E05003-23	Soil	04/30/21 08:44	05-04-2021 16:45
Bottom Hole 22 @ 5'	1E05003-24	Soil	04/30/21 08:46	05-04-2021 16:45
Bottom Hole 23 @ 5'	1E05003-25	Soil	04/30/21 08:48	05-04-2021 16:45
East Perimeter 1A	1E05003-26	Soil	04/30/21 08:50	05-04-2021 16:45
Perimeter South 7A	1E05003-27	Soil	04/30/21 08:52	05-04-2021 16:45
Perimeter South 8A	1E05003-28	Soil	04/30/21 08:54	05-04-2021 16:45
Perimeter South 9A	1E05003-29	Soil	04/30/21 08:56	05-04-2021 16:45
West Stockpile 6A	1E05003-30	Soil	05/03/21 14:30	05-04-2021 16:45
West Stockpile 7A	1E05003-31	Soil	05/03/21 14:35	05-04-2021 16:45

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

Project: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

Stockpile 1 Pasture

1E05003-01 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	6.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M								
C6-C12	ND	26.6	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 02:32	TPH 8015M
>C12-C28	61.7	26.6	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 02:32	TPH 8015M
>C28-C35	ND	26.6	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 02:32	TPH 8015M
Surrogate: 1-Chlorooctane	106 %	70-130			P1E0511	05/05/21 13:55	05/06/21 02:32	TPH 8015M
Surrogate: o-Terphenyl	115 %	70-130			P1E0511	05/05/21 13:55	05/06/21 02:32	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	61.7	26.6	mg/kg dry	1	[CALC]	05/05/21 13:55	05/06/21 02:32	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

Stockpile 2 Pasture

1E05003-02 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	7.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M								
C6-C12	ND	26.9	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 02:55	TPH 8015M
>C12-C28	50.0	26.9	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 02:55	TPH 8015M
>C28-C35	ND	26.9	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 02:55	TPH 8015M
Surrogate: 1-Chlorooctane	110 %	70-130			P1E0511	05/05/21 13:55	05/06/21 02:55	TPH 8015M
Surrogate: o-Terphenyl	120 %	70-130			P1E0511	05/05/21 13:55	05/06/21 02:55	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	50.0	26.9	mg/kg dry	1	[CALC]	05/05/21 13:55	05/06/21 02:55	calc

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

Stockpile 3 Pasture

1E05003-03 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	6.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 03:19	TPH 8015M
>C12-C28	44.5	26.6	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 03:19	TPH 8015M
>C28-C35	ND	26.6	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 03:19	TPH 8015M
Surrogate: 1-Chlorooctane	105 %	70-130			P1E0511	05/05/21 13:55	05/06/21 03:19	TPH 8015M
Surrogate: o-Terphenyl	115 %	70-130			P1E0511	05/05/21 13:55	05/06/21 03:19	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	44.5	26.6	mg/kg dry	1	[CALC]	05/05/21 13:55	05/06/21 03:19	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

West Stockpile 1A
1E05003-04 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	6.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M								
C6-C12	ND	26.6	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 07:41	TPH 8015M
>C12-C28	ND	26.6	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 07:41	TPH 8015M
>C28-C35	ND	26.6	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 07:41	TPH 8015M
Surrogate: 1-Chlorooctane	113 %	70-130			P1E0511	05/05/21 13:55	05/06/21 07:41	TPH 8015M
Surrogate: o-Terphenyl	126 %	70-130			P1E0511	05/05/21 13:55	05/06/21 07:41	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	05/05/21 13:55	05/06/21 07:41	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

West Stockpile 2A
1E05003-05 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	7.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M								
C6-C12	ND	26.9	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 08:04	TPH 8015M
>C12-C28	ND	26.9	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 08:04	TPH 8015M
>C28-C35	ND	26.9	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 08:04	TPH 8015M
Surrogate: 1-Chlorooctane	114 %	70-130			P1E0511	05/05/21 13:55	05/06/21 08:04	TPH 8015M
Surrogate: o-Terphenyl	124 %	70-130			P1E0511	05/05/21 13:55	05/06/21 08:04	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	05/05/21 13:55	05/06/21 08:04	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

West Stockpile 3A
1E05003-06 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	7.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M								
C6-C12	ND	26.9	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 08:27	TPH 8015M
>C12-C28	ND	26.9	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 08:27	TPH 8015M
>C28-C35	ND	26.9	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 08:27	TPH 8015M
Surrogate: 1-Chlorooctane	112 %	70-130			P1E0511	05/05/21 13:55	05/06/21 08:27	TPH 8015M
Surrogate: o-Terphenyl	122 %	70-130			P1E0511	05/05/21 13:55	05/06/21 08:27	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	05/05/21 13:55	05/06/21 08:27	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

West Stockpile 4A
1E05003-07 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	6.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M								
C6-C12	ND	26.6	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 09:36	TPH 8015M
>C12-C28	ND	26.6	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 09:36	TPH 8015M
>C28-C35	ND	26.6	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 09:36	TPH 8015M
Surrogate: 1-Chlorooctane	114 %	70-130			P1E0511	05/05/21 13:55	05/06/21 09:36	TPH 8015M
Surrogate: o-Terphenyl	124 %	70-130			P1E0511	05/05/21 13:55	05/06/21 09:36	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	05/05/21 13:55	05/06/21 09:36	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

West Stockpile 5A
1E05003-08 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	7.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M								
C6-C12	ND	26.9	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 09:59	TPH 8015M
>C12-C28	ND	26.9	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 09:59	TPH 8015M
>C28-C35	ND	26.9	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 09:59	TPH 8015M
Surrogate: 1-Chlorooctane	113 %	70-130			P1E0511	05/05/21 13:55	05/06/21 09:59	TPH 8015M
Surrogate: o-Terphenyl	121 %	70-130			P1E0511	05/05/21 13:55	05/06/21 09:59	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	05/05/21 13:55	05/06/21 09:59	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

North Perimeter 3A

1E05003-09 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	5.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 10:21	TPH 8015M
>C12-C28	ND	26.3	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 10:21	TPH 8015M
>C28-C35	ND	26.3	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 10:21	TPH 8015M
Surrogate: 1-Chlorooctane	118 %	70-130			P1E0511	05/05/21 13:55	05/06/21 10:21	TPH 8015M
Surrogate: o-Terphenyl	129 %	70-130			P1E0511	05/05/21 13:55	05/06/21 10:21	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	05/05/21 13:55	05/06/21 10:21	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

North Perimeter 4A

1E05003-10 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	6.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 10:44	TPH 8015M
>C12-C28	34.6	26.6	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 10:44	TPH 8015M
>C28-C35	ND	26.6	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 10:44	TPH 8015M
Surrogate: 1-Chlorooctane	115 %	70-130			P1E0511	05/05/21 13:55	05/06/21 10:44	TPH 8015M
Surrogate: o-Terphenyl	126 %	70-130			P1E0511	05/05/21 13:55	05/06/21 10:44	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	34.6	26.6	mg/kg dry	1	[CALC]	05/05/21 13:55	05/06/21 10:44	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

North Perimeter 6A

1E05003-11 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	6.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 11:06	TPH 8015M
>C12-C28	139	26.6	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 11:06	TPH 8015M
>C28-C35	ND	26.6	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 11:06	TPH 8015M
Surrogate: 1-Chlorooctane	115 %	70-130			P1E0511	05/05/21 13:55	05/06/21 11:06	TPH 8015M
Surrogate: o-Terphenyl	126 %	70-130			P1E0511	05/05/21 13:55	05/06/21 11:06	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	139	26.6	mg/kg dry	1	[CALC]	05/05/21 13:55	05/06/21 11:06	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

North Perimeter 7A

1E05003-12 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	7.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 16:46	TPH 8015M
>C12-C28	ND	26.9	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 16:46	TPH 8015M
>C28-C35	ND	26.9	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 16:46	TPH 8015M
Surrogate: 1-Chlorooctane	110 %	70-130			P1E0511	05/05/21 13:55	05/06/21 16:46	TPH 8015M
Surrogate: o-Terphenyl	120 %	70-130			P1E0511	05/05/21 13:55	05/06/21 16:46	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	05/05/21 13:55	05/06/21 16:46	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

North Perimeter 8A

1E05003-13 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	6.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 17:08	TPH 8015M
>C12-C28	73.7	26.6	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 17:08	TPH 8015M
>C28-C35	ND	26.6	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 17:08	TPH 8015M
Surrogate: 1-Chlorooctane	109 %	70-130			P1E0511	05/05/21 13:55	05/06/21 17:08	TPH 8015M
Surrogate: o-Terphenyl	119 %	70-130			P1E0511	05/05/21 13:55	05/06/21 17:08	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	73.7	26.6	mg/kg dry	1	[CALC]	05/05/21 13:55	05/06/21 17:08	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

North Perimeter 9A

1E05003-14 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	7.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 17:31	TPH 8015M
>C12-C28	ND	26.9	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 17:31	TPH 8015M
>C28-C35	ND	26.9	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 17:31	TPH 8015M
Surrogate: 1-Chlorooctane	107 %	70-130			P1E0511	05/05/21 13:55	05/06/21 17:31	TPH 8015M
Surrogate: o-Terphenyl	118 %	70-130			P1E0511	05/05/21 13:55	05/06/21 17:31	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	05/05/21 13:55	05/06/21 17:31	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

Sample Point 1A
1E05003-15 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	5.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M								
C6-C12	ND	26.3	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 17:54	TPH 8015M
>C12-C28	ND	26.3	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 17:54	TPH 8015M
>C28-C35	ND	26.3	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 17:54	TPH 8015M
Surrogate: 1-Chlorooctane	108 %	70-130			P1E0511	05/05/21 13:55	05/06/21 17:54	TPH 8015M
Surrogate: o-Terphenyl	118 %	70-130			P1E0511	05/05/21 13:55	05/06/21 17:54	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	05/05/21 13:55	05/06/21 17:54	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

Sample Point 8A
1E05003-16 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	7.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M								
C6-C12	ND	26.9	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 18:17	TPH 8015M
>C12-C28	29.4	26.9	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 18:17	TPH 8015M
>C28-C35	ND	26.9	mg/kg dry	1	P1E0511	05/05/21 13:55	05/06/21 18:17	TPH 8015M
Surrogate: 1-Chlorooctane	112 %	70-130			P1E0511	05/05/21 13:55	05/06/21 18:17	TPH 8015M
Surrogate: o-Terphenyl	123 %	70-130			P1E0511	05/05/21 13:55	05/06/21 18:17	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	29.4	26.9	mg/kg dry	1	[CALC]	05/05/21 13:55	05/06/21 18:17	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

Bottom Hole 13 @ 5'

1E05003-17 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	6.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 15:33	TPH 8015M
>C12-C28	81.9	26.6	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 15:33	TPH 8015M
>C28-C35	34.0	26.6	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 15:33	TPH 8015M
Surrogate: 1-Chlorooctane	103 %	70-130			P1E0507	05/05/21 12:22	05/05/21 15:33	TPH 8015M
Surrogate: o-Terphenyl	114 %	70-130			P1E0507	05/05/21 12:22	05/05/21 15:33	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	116	26.6	mg/kg dry	1	[CALC]	05/05/21 12:22	05/05/21 15:33	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

Bottom Hole 16 @ 5'

1E05003-18 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	7.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 15:56	TPH 8015M
>C12-C28	28.2	26.9	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 15:56	TPH 8015M
>C28-C35	ND	26.9	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 15:56	TPH 8015M
Surrogate: 1-Chlorooctane	111 %	70-130			P1E0507	05/05/21 12:22	05/05/21 15:56	TPH 8015M
Surrogate: o-Terphenyl	119 %	70-130			P1E0507	05/05/21 12:22	05/05/21 15:56	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	28.2	26.9	mg/kg dry	1	[CALC]	05/05/21 12:22	05/05/21 15:56	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

Bottom Hole 17 @ 3'

1E05003-19 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	6.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M								
C6-C12	ND	26.6	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 16:18	TPH 8015M
>C12-C28	ND	26.6	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 16:18	TPH 8015M
>C28-C35	ND	26.6	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 16:18	TPH 8015M
Surrogate: 1-Chlorooctane	113 %	70-130			P1E0507	05/05/21 12:22	05/05/21 16:18	TPH 8015M
Surrogate: o-Terphenyl	121 %	70-130			P1E0507	05/05/21 12:22	05/05/21 16:18	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	05/05/21 12:22	05/05/21 16:18	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

Bottom Hole 18 @ 5'

1E05003-20 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	7.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 16:41	TPH 8015M
>C12-C28	73.4	26.9	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 16:41	TPH 8015M
>C28-C35	ND	26.9	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 16:41	TPH 8015M
Surrogate: 1-Chlorooctane	112 %	70-130			P1E0507	05/05/21 12:22	05/05/21 16:41	TPH 8015M
Surrogate: o-Terphenyl	122 %	70-130			P1E0507	05/05/21 12:22	05/05/21 16:41	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	73.4	26.9	mg/kg dry	1	[CALC]	05/05/21 12:22	05/05/21 16:41	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

Bottom Hole 19 @ 5'

1E05003-21 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	8.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M								
C6-C12	ND	27.2	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 17:04	TPH 8015M
>C12-C28	ND	27.2	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 17:04	TPH 8015M
>C28-C35	ND	27.2	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 17:04	TPH 8015M
Surrogate: 1-Chlorooctane	104 %	70-130			P1E0507	05/05/21 12:22	05/05/21 17:04	TPH 8015M
Surrogate: o-Terphenyl	113 %	70-130			P1E0507	05/05/21 12:22	05/05/21 17:04	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	05/05/21 12:22	05/05/21 17:04	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

Bottom Hole 20 @ 5'

1E05003-22 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	11.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M								
C6-C12	ND	28.1	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 17:27	TPH 8015M
>C12-C28	ND	28.1	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 17:27	TPH 8015M
>C28-C35	ND	28.1	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 17:27	TPH 8015M
Surrogate: 1-Chlorooctane	107 %		70-130		P1E0507	05/05/21 12:22	05/05/21 17:27	TPH 8015M
Surrogate: o-Terphenyl	116 %		70-130		P1E0507	05/05/21 12:22	05/05/21 17:27	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	05/05/21 12:22	05/05/21 17:27	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

Bottom Hole 21 @ 5'

1E05003-23 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	6.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M								
C6-C12	ND	26.6	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 17:49	TPH 8015M
>C12-C28	30.8	26.6	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 17:49	TPH 8015M
>C28-C35	ND	26.6	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 17:49	TPH 8015M
Surrogate: 1-Chlorooctane	107 %	70-130			P1E0507	05/05/21 12:22	05/05/21 17:49	TPH 8015M
Surrogate: o-Terphenyl	117 %	70-130			P1E0507	05/05/21 12:22	05/05/21 17:49	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	30.8	26.6	mg/kg dry	1	[CALC]	05/05/21 12:22	05/05/21 17:49	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

Bottom Hole 22 @ 5'

1E05003-24 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	12.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.4	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 18:12	TPH 8015M
>C12-C28	52.9	28.4	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 18:12	TPH 8015M
>C28-C35	ND	28.4	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 18:12	TPH 8015M
Surrogate: 1-Chlorooctane	113 %	70-130			P1E0507	05/05/21 12:22	05/05/21 18:12	TPH 8015M
Surrogate: o-Terphenyl	121 %	70-130			P1E0507	05/05/21 12:22	05/05/21 18:12	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	52.9	28.4	mg/kg dry	1	[CALC]	05/05/21 12:22	05/05/21 18:12	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

Bottom Hole 23 @ 5'

1E05003-25 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	7.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 19:20	TPH 8015M
>C12-C28	ND	26.9	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 19:20	TPH 8015M
>C28-C35	ND	26.9	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 19:20	TPH 8015M
Surrogate: 1-Chlorooctane	105 %	70-130			P1E0507	05/05/21 12:22	05/05/21 19:20	TPH 8015M
Surrogate: o-Terphenyl	115 %	70-130			P1E0507	05/05/21 12:22	05/05/21 19:20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	05/05/21 12:22	05/05/21 19:20	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

East Perimeter 1A

1E05003-26 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	6.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 19:42	TPH 8015M
>C12-C28	ND	26.6	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 19:42	TPH 8015M
>C28-C35	ND	26.6	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 19:42	TPH 8015M
Surrogate: 1-Chlorooctane	106 %	70-130			P1E0507	05/05/21 12:22	05/05/21 19:42	TPH 8015M
Surrogate: o-Terphenyl	115 %	70-130			P1E0507	05/05/21 12:22	05/05/21 19:42	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	05/05/21 12:22	05/05/21 19:42	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

Perimeter South 7A

1E05003-27 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	8.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 20:05	TPH 8015M
>C12-C28	ND	27.2	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 20:05	TPH 8015M
>C28-C35	ND	27.2	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 20:05	TPH 8015M
Surrogate: 1-Chlorooctane	111 %	70-130			P1E0507	05/05/21 12:22	05/05/21 20:05	TPH 8015M
Surrogate: o-Terphenyl	117 %	70-130			P1E0507	05/05/21 12:22	05/05/21 20:05	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	05/05/21 12:22	05/05/21 20:05	calc

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

Perimeter South 8A

1E05003-28 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	7.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 20:27	TPH 8015M
>C12-C28	81.1	26.9	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 20:27	TPH 8015M
>C28-C35	ND	26.9	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 20:27	TPH 8015M
Surrogate: 1-Chlorooctane	115 %	70-130			P1E0507	05/05/21 12:22	05/05/21 20:27	TPH 8015M
Surrogate: o-Terphenyl	124 %	70-130			P1E0507	05/05/21 12:22	05/05/21 20:27	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	81.1	26.9	mg/kg dry	1	[CALC]	05/05/21 12:22	05/05/21 20:27	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

Perimeter South 9A

1E05003-29 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	8.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 20:49	TPH 8015M
>C12-C28	ND	27.2	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 20:49	TPH 8015M
>C28-C35	ND	27.2	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 20:49	TPH 8015M
Surrogate: 1-Chlorooctane	120 %	70-130			P1E0507	05/05/21 12:22	05/05/21 20:49	TPH 8015M
Surrogate: o-Terphenyl	130 %	70-130			P1E0507	05/05/21 12:22	05/05/21 20:49	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	05/05/21 12:22	05/05/21 20:49	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

West Stockpile 6A
1E05003-30 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	4.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 21:11	TPH 8015M
>C12-C28	ND	26.0	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 21:11	TPH 8015M
>C28-C35	ND	26.0	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 21:11	TPH 8015M
Surrogate: 1-Chlorooctane	119 %	70-130			P1E0507	05/05/21 12:22	05/05/21 21:11	TPH 8015M
Surrogate: o-Terphenyl	129 %	70-130			P1E0507	05/05/21 12:22	05/05/21 21:11	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	05/05/21 12:22	05/05/21 21:11	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

West Stockpile 7A
1E05003-31 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	4.0	0.1	%	1	P1E0601	05/06/21 08:44	05/06/21 09:30	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 21:33	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 21:33	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P1E0507	05/05/21 12:22	05/05/21 21:33	TPH 8015M	
Surrogate: 1-Chlorooctane	120 %	70-130			P1E0507	05/05/21 12:22	05/05/21 21:33	TPH 8015M	
Surrogate: o-Terphenyl	131 %	70-130			P1E0507	05/05/21 12:22	05/05/21 21:33	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	05/05/21 12:22	05/05/21 21:33	calc	

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1E0601 - *** DEFAULT PREP ***										
Blank (P1E0601-BLK1)	Prepared & Analyzed: 05/06/21									
% Moisture	ND	0.1	%							
Blank (P1E0601-BLK2)	Prepared & Analyzed: 05/06/21									
% Moisture	ND	0.1	%							
Blank (P1E0601-BLK3)	Prepared & Analyzed: 05/06/21									
% Moisture	ND	0.1	%							
Blank (P1E0601-BLK4)	Prepared & Analyzed: 05/06/21									
% Moisture	ND	0.1	%							
Duplicate (P1E0601-DUP1)	Source: 1E04003-10		Prepared & Analyzed: 05/06/21							
% Moisture	11.0	0.1	%		11.0			0.00	20	
Duplicate (P1E0601-DUP2)	Source: 1E04005-01		Prepared & Analyzed: 05/06/21							
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P1E0601-DUP3)	Source: 1E04006-02		Prepared & Analyzed: 05/06/21							
% Moisture	4.0	0.1	%		4.0			0.00	20	
Duplicate (P1E0601-DUP4)	Source: 1E04007-05		Prepared & Analyzed: 05/06/21							
% Moisture	5.0	0.1	%		6.0			18.2	20	
Duplicate (P1E0601-DUP5)	Source: 1E05003-03		Prepared & Analyzed: 05/06/21							
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P1E0601-DUP6)	Source: 1E05003-13		Prepared & Analyzed: 05/06/21							
% Moisture	5.0	0.1	%		6.0			18.2	20	

Permian Basin Environmental Lab, L.P.

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

Page 34 of 42

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

Project: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1E0601 - * DEFAULT PREP *****

Duplicate (P1E0601-DUP7)	Source: 1E05003-28		Prepared & Analyzed: 05/06/21							
% Moisture	6.0	0.1	%		7.0			15.4	20	
Duplicate (P1E0601-DUP8)	Source: 1E05004-07		Prepared & Analyzed: 05/06/21							
% Moisture	9.0	0.1	%		10.0			10.5	20	
Duplicate (P1E0601-DUP9)	Source: 1E05004-22		Prepared & Analyzed: 05/06/21							
% Moisture	5.0	0.1	%		4.0			22.2	20	
Duplicate (P1E0601-DUPA)	Source: 1E05004-32		Prepared & Analyzed: 05/06/21							
% Moisture	11.0	0.1	%		12.0			8.70	20	
Duplicate (P1E0601-DUPB)	Source: 1E05004-47		Prepared & Analyzed: 05/06/21							
% Moisture	8.0	0.1	%		8.0			0.00	20	
Duplicate (P1E0601-DUPC)	Source: 1E05004-57		Prepared & Analyzed: 05/06/21							
% Moisture	6.0	0.1	%		6.0			0.00	20	

Permian Basin Environmental Lab, L.P.

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Page 35 of 42

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

Project: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1E0507 - TX 1005

Blank (P1E0507-BLK1)

Prepared & Analyzed: 05/05/21

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	103		"	100		103	70-130			
Surrogate: o-Terphenyl	54.4		"	50.0		109	70-130			

LCS (P1E0507-BS1)

Prepared & Analyzed: 05/05/21

C6-C12	1060	25.0	mg/kg wet	1000		106	75-125			
>C12-C28	1050	25.0	"	1000		105	75-125			
Surrogate: 1-Chlorooctane	105		"	100		105	70-130			
Surrogate: o-Terphenyl	56.5		"	50.0		113	70-130			

LCS Dup (P1E0507-BSD1)

Prepared & Analyzed: 05/05/21

C6-C12	1020	25.0	mg/kg wet	1000		102	75-125	3.94	20	
>C12-C28	1020	25.0	"	1000		102	75-125	2.43	20	
Surrogate: 1-Chlorooctane	102		"	100		102	70-130			
Surrogate: o-Terphenyl	54.6		"	50.0		109	70-130			

Calibration Blank (P1E0507-CCB2)

Prepared & Analyzed: 05/05/21

C6-C12	5.22		mg/kg wet							
>C12-C28	10.5		"							
Surrogate: 1-Chlorooctane	100		"	100		100	70-130			
Surrogate: o-Terphenyl	52.4		"	50.0		105	70-130			

Calibration Check (P1E0507-CCV1)

Prepared & Analyzed: 05/05/21

C6-C12	553	25.0	mg/kg wet	500		111	85-115			
>C12-C28	562	25.0	"	500		112	85-115			
Surrogate: 1-Chlorooctane	110		"	100		110	70-130			
Surrogate: o-Terphenyl	59.8		"	50.0		120	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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1E0507 - TX 1005

Matrix Spike (P1E0507-MS1)	Source: 1E05003-31			Prepared & Analyzed: 05/05/21						
C6-C12	1160	26.0	mg/kg dry	1040	11.6	110	75-125			
>C12-C28	1180	26.0	"	1040	13.2	112	75-125			
Surrogate: 1-Chlorooctane	114		"	104		109	70-130			
Surrogate: o-Terphenyl	63.8		"	52.1		122	70-130			

Matrix Spike Dup (P1E0507-MSD1)	Source: 1E05003-31			Prepared & Analyzed: 05/05/21						
C6-C12	1150	26.0	mg/kg dry	1040	11.6	109	75-125	0.605	20	
>C12-C28	1160	26.0	"	1040	13.2	111	75-125	1.31	20	
Surrogate: 1-Chlorooctane	114		"	104		109	70-130			
Surrogate: o-Terphenyl	65.8		"	52.1		126	70-130			

Batch P1E0511 - TX 1005

Blank (P1E0511-BLK1)	Prepared: 05/05/21 Analyzed: 05/06/21									
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	91.8		"	100		91.8	70-130			
Surrogate: o-Terphenyl	49.4		"	50.0		98.8	70-130			

LCS (P1E0511-BS1)	Prepared & Analyzed: 05/05/21									
C6-C12	778	25.0	mg/kg wet	1000		77.8	75-125			
>C12-C28	820	25.0	"	1000		82.0	75-125			
Surrogate: 1-Chlorooctane	113		"	100		113	70-130			
Surrogate: o-Terphenyl	46.3		"	50.0		92.6	70-130			

LCS Dup (P1E0511-BSD1)	Prepared & Analyzed: 05/05/21									
C6-C12	1000	25.0	mg/kg wet	1000		100	75-125	25.2	20	R
>C12-C28	1010	25.0	"	1000		101	75-125	20.3	20	R
Surrogate: 1-Chlorooctane	99.2		"	100		99.2	70-130			
Surrogate: o-Terphenyl	51.8		"	50.0		104	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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1E0511 - TX 1005

Calibration Check (P1E0511-CCV1)

Prepared & Analyzed: 05/05/21

C6-C12	573	25.0	mg/kg wet	500		115	85-115			
>C12-C28	554	25.0	"	500		111	85-115			
Surrogate: 1-Chlorooctane	117		"	100		117	70-130			
Surrogate: o-Terphenyl	63.6		"	50.0		127	70-130			

Calibration Check (P1E0511-CCV2)

Prepared: 05/05/21 Analyzed: 05/06/21

C6-C12	503	25.0	mg/kg wet	500		101	85-115			
>C12-C28	558	25.0	"	500		112	85-115			
Surrogate: 1-Chlorooctane	121		"	100		121	70-130			
Surrogate: o-Terphenyl	57.3		"	50.0		115	70-130			

Calibration Check (P1E0511-CCV3)

Prepared: 05/05/21 Analyzed: 05/06/21

C6-C12	563	25.0	mg/kg wet	500		113	85-115			
>C12-C28	541	25.0	"	500		108	85-115			
Surrogate: 1-Chlorooctane	116		"	100		116	70-130			
Surrogate: o-Terphenyl	62.0		"	50.0		124	70-130			

Matrix Spike (P1E0511-MS1)

Source: 1E05003-16

Prepared: 05/05/21 Analyzed: 05/06/21

C6-C12	1090	26.9	mg/kg dry	1080	11.2	100	75-125			
>C12-C28	1120	26.9	"	1080	29.4	102	75-125			
Surrogate: 1-Chlorooctane	106		"	108		98.7	70-130			
Surrogate: o-Terphenyl	57.7		"	53.8		107	70-130			

Matrix Spike Dup (P1E0511-MSD1)

Source: 1E05003-16

Prepared: 05/05/21 Analyzed: 05/06/21

C6-C12	1080	26.9	mg/kg dry	1080	11.2	99.9	75-125	0.250	20	
>C12-C28	1130	26.9	"	1080	29.4	102	75-125	0.192	20	
Surrogate: 1-Chlorooctane	107		"	108		99.4	70-130			
Surrogate: o-Terphenyl	57.9		"	53.8		108	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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

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

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

BULK Samples received in Bulk soil containers

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

5/11/2021

Brent Barron, Laboratory Director/Technical Director

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

Permian Basin Environmental Lab, L.P.

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

PBETLAB
Permian Basin Environmental Lab, L.P.
1400 Raablin Hwy
Midland Texas 79701
Phone: (325) 686-7233

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

2043

Project Name: Crazy Wolf 1H Flare

Project #: 13636 **Project Loc:** Lea Cty, NM

Area: Centennial **PO#: 09568 & 59817**

Bill Etech

Project Manager: Tim McMinn
Company Name: Etech Environmental & Safety Solutions, Inc.
Company Address: P.O. Box 62228
City/State/Zip: Midland, Texas 79711
Sampler Signature: [Signature] email: Tim@etechenv.com

Report Format: STANDARD: ☐ TRIP: ☐ NPDES: ☐
Analyze For: _____

[illegible]

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



Analytical Report

Prepared for:

Tim McMinn

E Tech Environmental & Safety Solutions, Inc. [1]

13000 West County Road 100

Odessa, TX 79765

Project: Crazy Wolf 1H Flare

Project Number: 13636

Location: New Mexico

Lab Order Number: 1E14027



Current Certification

Report Date: 05/18/21

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

Project: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom Hole 13 B 6"	1E14027-01	Soil	05/12/21 13:00	05-14-2021 12:15
North Perimeter 6B	1E14027-02	Soil	05/12/21 13:20	05-14-2021 12:15

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

Project: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

Bottom Hole 13 B 6"

1E14027-01 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	2.0	0.1	%	1	P1E1702	05/17/21 09:45	05/17/21 09:49	ASTM D2216
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P1E1704	05/17/21 12:17	05/17/21 21:51	TPH 8015M
>C12-C28	ND	25.5	mg/kg dry	1	P1E1704	05/17/21 12:17	05/17/21 21:51	TPH 8015M
>C28-C35	ND	25.5	mg/kg dry	1	P1E1704	05/17/21 12:17	05/17/21 21:51	TPH 8015M
Surrogate: 1-Chlorooctane	106 %	70-130			P1E1704	05/17/21 12:17	05/17/21 21:51	TPH 8015M
Surrogate: o-Terphenyl	122 %	70-130			P1E1704	05/17/21 12:17	05/17/21 21:51	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	05/17/21 12:17	05/17/21 21:51	calc

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

North Perimeter 6B

1E14027-02 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

% Moisture	2.0	0.1	%	1	P1E1702	05/17/21 09:45	05/17/21 09:49	ASTM D2216
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M								
C6-C12	ND	25.5	mg/kg dry	1	P1E1704	05/17/21 12:17	05/17/21 22:13	TPH 8015M
>C12-C28	ND	25.5	mg/kg dry	1	P1E1704	05/17/21 12:17	05/17/21 22:13	TPH 8015M
>C28-C35	ND	25.5	mg/kg dry	1	P1E1704	05/17/21 12:17	05/17/21 22:13	TPH 8015M
Surrogate: 1-Chlorooctane	104 %	70-130			P1E1704	05/17/21 12:17	05/17/21 22:13	TPH 8015M
Surrogate: o-Terphenyl	119 %	70-130			P1E1704	05/17/21 12:17	05/17/21 22:13	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	05/17/21 12:17	05/17/21 22:13	calc

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1E1702 - *** DEFAULT PREP ***										
Blank (P1E1702-BLK1)				Prepared & Analyzed: 05/17/21						
% Moisture	ND	0.1	%							
Blank (P1E1702-BLK2)				Prepared & Analyzed: 05/17/21						
% Moisture	ND	0.1	%							
Blank (P1E1702-BLK3)				Prepared & Analyzed: 05/17/21						
% Moisture	ND	0.1	%							
Duplicate (P1E1702-DUP1)		Source: 1E14031-01		Prepared & Analyzed: 05/17/21						
% Moisture	4.0	0.1	%		4.0			0.00	20	
Duplicate (P1E1702-DUP2)		Source: 1E14021-07		Prepared & Analyzed: 05/17/21						
% Moisture	4.0	0.1	%		4.0			0.00	20	
Duplicate (P1E1702-DUP3)		Source: 1E14017-15		Prepared & Analyzed: 05/17/21						
% Moisture	16.0	0.1	%		18.0			11.8	20	
Duplicate (P1E1702-DUP4)		Source: 1E14017-25		Prepared & Analyzed: 05/17/21						
% Moisture	11.0	0.1	%		10.0			9.52	20	
Duplicate (P1E1702-DUP5)		Source: 1E14017-40		Prepared & Analyzed: 05/17/21						
% Moisture	5.0	0.1	%		14.0			94.7	20	R
Duplicate (P1E1702-DUP6)		Source: 1E14020-03		Prepared & Analyzed: 05/17/21						
% Moisture	13.0	0.1	%		14.0			7.41	20	
Duplicate (P1E1702-DUP7)		Source: 1E14020-18		Prepared & Analyzed: 05/17/21						
% Moisture	11.0	0.1	%		11.0			0.00	20	

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1E1702 - * DEFAULT PREP *****

Duplicate (P1E1702-DUP8)	Source: 1E14022-10		Prepared & Analyzed: 05/17/21							
% Moisture	5.0	0.1	%		6.0			18.2	20	
Duplicate (P1E1702-DUP9)	Source: 1E14028-02		Prepared & Analyzed: 05/17/21							
% Moisture	10.0	0.1	%		11.0			9.52	20	

Permian Basin Environmental Lab, L.P.

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 13000 West County Road 100
 Odessa TX, 79765

Project: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Fax: (432) 563-2213

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

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1E1704 - TX 1005

LCS (P1E1704-BS1)

Prepared & Analyzed: 05/17/21

C6-C12	1070	25.0	mg/kg wet	1000		107	75-125			
>C12-C28	987	25.0	"	1000		98.7	75-125			
Surrogate: 1-Chlorooctane	102		"	100		102	70-130			
Surrogate: o-Terphenyl	60.3		"	50.0		121	70-130			

LCS Dup (P1E1704-BSD1)

Prepared & Analyzed: 05/17/21

C6-C12	1050	25.0	mg/kg wet	1000		105	75-125	1.66	20	
>C12-C28	979	25.0	"	1000		97.9	75-125	0.749	20	
Surrogate: 1-Chlorooctane	102		"	100		102	70-130			
Surrogate: o-Terphenyl	56.6		"	50.0		113	70-130			

Calibration Check (P1E1704-CCV1)

Prepared & Analyzed: 05/17/21

C6-C12	505	25.0	mg/kg wet	500		101	85-115			
>C12-C28	514	25.0	"	500		103	85-115			
Surrogate: 1-Chlorooctane	110		"	100		110	70-130			
Surrogate: o-Terphenyl	53.2		"	50.0		106	70-130			

Calibration Check (P1E1704-CCV2)

Prepared & Analyzed: 05/17/21

C6-C12	482	25.0	mg/kg wet	500		96.3	85-115			
>C12-C28	484	25.0	"	500		96.8	85-115			
Surrogate: 1-Chlorooctane	104		"	100		104	70-130			
Surrogate: o-Terphenyl	50.7		"	50.0		101	70-130			

Calibration Check (P1E1704-CCV3)

Prepared: 05/17/21 Analyzed: 05/18/21

C6-C12	442	25.0	mg/kg wet	500		88.3	85-115			
>C12-C28	464	25.0	"	500		92.8	85-115			
Surrogate: 1-Chlorooctane	97.4		"	100		97.4	70-130			
Surrogate: o-Terphenyl	47.1		"	50.0		94.2	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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1E1704 - TX 1005

Matrix Spike (P1E1704-MS1)	Source: 1E14029-01			Prepared: 05/17/21		Analyzed: 05/18/21				
C6-C12	913	26.9	mg/kg dry	1080	ND	84.9	75-125			
>C12-C28	892	26.9	"	1080	13.5	81.7	75-125			
Surrogate: 1-Chlorooctane	129		"	108		120	70-130			
Surrogate: o-Terphenyl	54.0		"	53.8		100	70-130			
Matrix Spike Dup (P1E1704-MSD1)	Source: 1E14029-01			Prepared: 05/17/21		Analyzed: 05/18/21				
C6-C12	916	26.9	mg/kg dry	1080	ND	85.2	75-125	0.359	20	
>C12-C28	885	26.9	"	1080	13.5	81.1	75-125	0.772	20	
Surrogate: 1-Chlorooctane	112		"	108		105	70-130			
Surrogate: o-Terphenyl	50.8		"	53.8		94.6	70-130			

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Fax: (432) 563-2213

Notes and Definitions

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

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:

5/18/2021

Brent Barron, Laboratory Director/Technical Director

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

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

Permian Basin Environmental Lab, L.P.

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

PBETLAB

Permian Basin Environmental Lab, LP

1400 Hankin Hwy

Midland Texas 79701

Phone: (325) 686-7243

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Tim McMinCompany Name: Etech Environmental & Safety Solutions, Inc.Company Address: P.O. Box 62228City/State/Zip: Midland, Texas 79711Sampler Signature: [Signature] email: Tim@etechenv.com

Tim@etechenv.com

mst

Report Format: STANDARD ☒ TRRP ☐ NPDES ☐

Analyze For:

TCLP: ☐TOTAL: ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐(lab use only)
ORDER #: E14027

Preservation & # of Containers

Matrix

LAB # (lab use only)

FIELD CODE

Start Depth

End Depth

Date Sampled

Time Sampled

No. of Containers

Ice

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₃

None

Other (Specify)

DW=Drinking Water SL=Sludge

GW = Groundwater S=Soil/Solid

NP=Non-Potable Specify Other

TPH: 418.1 8015M 1005 1006

Cations (Ca, Mg, Na, K)

Anions (Cl, SO₄, CO₃, HCO₃)

SAR / ESP / CEC

Metals: As Ag Ba Cd Cr Pb Hg Se

Volatiles

Semi volatiles

BTEX 8021B/S030 or BTEX 8260

RCI

N.O.R.M.

Chlorides

RUSH TAT(Pre-Schedule) 24, 48, 72 hrs

STANDARD TAT

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)

Sample Hand Delivered

Sar by Sampler/Client Rep.?

Temperature Upon Receipt:

Y

Y

Y

Y

Y

Y

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N

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



Analytical Report

Prepared for:

Tim McMinn

E Tech Environmental & Safety Solutions, Inc. [1]

13000 West County Road 100

Odessa, TX 79765

Project: Crazy Wolf 1H Flare

Project Number: 13636

Location: New Mexico

Lab Order Number: 1H23004



Current Certification

Report Date: 08/30/21

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

Project: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Sample Point 14	1H23004-01	Soil	08/18/21 14:00	08-23-2021 12:14
Bottom Hole 3 @ 4.5'	1H23004-02	Soil	08/18/21 15:00	08-23-2021 12:14

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

Project: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Sample Point 14

1H23004-01 (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

% Moisture	ND	0.1	%	1	PIH2601	08/26/21 09:45	08/26/21 10:01	ASTM D2216	
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	PIH2412	08/24/21 16:04	08/25/21 00:44	TPH 8015M	
>C12-C28	53.8	25.0	mg/kg dry	1	PIH2412	08/24/21 16:04	08/25/21 00:44	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	PIH2412	08/24/21 16:04	08/25/21 00:44	TPH 8015M	
Surrogate: 1-Chlorooctane	106 %	70-130			PIH2412	08/24/21 16:04	08/25/21 00:44	TPH 8015M	
Surrogate: o-Terphenyl	114 %	70-130			PIH2412	08/24/21 16:04	08/25/21 00:44	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	53.8	25.0	mg/kg dry	1	[CALC]	08/24/21 16:04	08/25/21 00:44	calc	

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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Bottom Hole 3 @ 4.5'

1H23004-02 (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	20.0	1.04	mg/kg dry	1	P1H2902	08/29/21 14:08	08/30/21 01:55	EPA 300.0	
% Moisture	4.0	0.1	%	1	P1H2601	08/26/21 09:45	08/26/21 10:01	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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H2601 - *** DEFAULT PREP ***										
Blank (P1H2601-BLK1)	Prepared & Analyzed: 08/26/21									
% Moisture	ND	0.1	%							
Blank (P1H2601-BLK2)	Prepared & Analyzed: 08/26/21									
% Moisture	ND	0.1	%							
Blank (P1H2601-BLK3)	Prepared & Analyzed: 08/26/21									
% Moisture	ND	0.1	%							
Blank (P1H2601-BLK4)	Prepared & Analyzed: 08/26/21									
% Moisture	ND	0.1	%							
Duplicate (P1H2601-DUP1)	Source: 1H23003-04		Prepared & Analyzed: 08/26/21							
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P1H2601-DUP2)	Source: 1H23004-02		Prepared & Analyzed: 08/26/21							
% Moisture	3.0	0.1	%		4.0			28.6	20	R3
Duplicate (P1H2601-DUP3)	Source: 1H23009-01		Prepared & Analyzed: 08/26/21							
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P1H2601-DUP4)	Source: 1H25010-05		Prepared & Analyzed: 08/26/21							
% Moisture	10.0	0.1	%		9.0			10.5	20	
Duplicate (P1H2601-DUP5)	Source: 1H25010-15		Prepared & Analyzed: 08/26/21							
% Moisture	4.0	0.1	%		4.0			0.00	20	
Duplicate (P1H2601-DUP6)	Source: 1H25010-30		Prepared & Analyzed: 08/26/21							
% Moisture	9.0	0.1	%		9.0			0.00	20	

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E Tech Environmental & Safety Solutions, Inc. [1]
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 Odessa TX, 79765

Project: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H2902 - *** DEFAULT PREP ***										
Blank (P1H2902-BLK1)				Prepared & Analyzed: 08/29/21						
Chloride	ND	1.00	mg/kg wet							
LCS (P1H2902-BS1)				Prepared & Analyzed: 08/29/21						
Chloride	417	1.00	mg/kg wet	400		104	90-110			
LCS Dup (P1H2902-BSD1)				Prepared & Analyzed: 08/29/21						
Chloride	419	1.00	mg/kg wet	400		105	90-110	0.282	20	
Calibration Blank (P1H2902-CCB1)				Prepared & Analyzed: 08/29/21						
Chloride	0.00		mg/kg wet							
Calibration Blank (P1H2902-CCB2)				Prepared: 08/29/21 Analyzed: 08/30/21						
Chloride	0.00		mg/kg wet							
Calibration Check (P1H2902-CCV2)				Prepared: 08/29/21 Analyzed: 08/30/21						
Chloride	20.8		mg/kg	20.0		104	90-110			
Calibration Check (P1H2902-CCV3)				Prepared: 08/29/21 Analyzed: 08/30/21						
Chloride	20.8		mg/kg	20.0		104	90-110			
Matrix Spike (P1H2902-MS1)				Source: 1H24001-06		Prepared & Analyzed: 08/29/21				
Chloride	846	1.20	mg/kg dry	602	116	121	80-120			QM-05
Matrix Spike (P1H2902-MS2)				Source: 1H17011-23		Prepared: 08/29/21 Analyzed: 08/30/21				
Chloride	9230	29.1	mg/kg dry	2910	6180	105	80-120			
Matrix Spike Dup (P1H2902-MSD1)				Source: 1H24001-06		Prepared & Analyzed: 08/29/21				
Chloride	894	1.20	mg/kg dry	602	116	129	80-120	5.48	20	QM-05

Permian Basin Environmental Lab, L.P.

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 Odessa TX, 79765

Project: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1H2902 - * DEFAULT PREP *****

Matrix Spike Dup (P1H2902-MSD2)

Source: 1H17011-23

Prepared: 08/29/21 Analyzed: 08/30/21

Chloride	9200	29.1	mg/kg dry	2910	6180	104	80-120	0.300	20	
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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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1H2412 - TX 1005

Blank (P1H2412-BLK1)

Prepared & Analyzed: 08/24/21

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	95.3		"	100		95.3	70-130			
Surrogate: o-Terphenyl	49.9		"	50.0		99.8	70-130			

LCS (P1H2412-BS1)

Prepared & Analyzed: 08/24/21

C6-C12	884	25.0	mg/kg wet	1000		88.4	75-125			
>C12-C28	793	25.0	"	1000		79.3	75-125			
Surrogate: 1-Chlorooctane	100		"	100		100	70-130			
Surrogate: o-Terphenyl	55.9		"	50.0		112	70-130			

LCS Dup (P1H2412-BSD1)

Prepared & Analyzed: 08/24/21

C6-C12	879	25.0	mg/kg wet	1000		87.9	75-125	0.500	20	
>C12-C28	797	25.0	"	1000		79.7	75-125	0.587	20	
Surrogate: 1-Chlorooctane	99.5		"	100		99.5	70-130			
Surrogate: o-Terphenyl	55.7		"	50.0		111	70-130			

Calibration Check (P1H2412-CCV1)

Prepared & Analyzed: 08/24/21

C6-C12	428	25.0	mg/kg wet	500		85.6	85-115			
>C12-C28	438	25.0	"	500		87.7	85-115			
Surrogate: 1-Chlorooctane	114		"	100		114	70-130			
Surrogate: o-Terphenyl	53.4		"	50.0		107	70-130			

Calibration Check (P1H2412-CCV2)

Prepared & Analyzed: 08/24/21

C6-C12	445	25.0	mg/kg wet	500		89.0	85-115			
>C12-C28	439	25.0	"	500		87.8	85-115			
Surrogate: 1-Chlorooctane	118		"	100		118	70-130			
Surrogate: o-Terphenyl	53.0		"	50.0		106	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: Crazy Wolf 1H Flare
 Project Number: 13636
 Project Manager: Tim McMinn

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1H2412 - TX 1005

Calibration Check (P1H2412-CCV3)

Prepared: 08/24/21 Analyzed: 08/25/21

C6-C12	456	25.0	mg/kg wet	500		91.2	85-115			
>C12-C28	446	25.0	"	500		89.2	85-115			
Surrogate: 1-Chlorooctane	120		"	100		120	70-130			
Surrogate: o-Terphenyl	54.8		"	50.0		110	70-130			

Matrix Spike (P1H2412-MS1)

Source: 1H23005-04

Prepared: 08/24/21 Analyzed: 08/25/21

C6-C12	863	26.6	mg/kg dry	1060	ND	81.1	75-125			
>C12-C28	922	26.6	"	1060	228	65.3	75-125			QM-05
Surrogate: 1-Chlorooctane	137		"	106		129	70-130			
Surrogate: o-Terphenyl	54.6		"	53.2		103	70-130			

Matrix Spike Dup (P1H2412-MSD1)

Source: 1H23005-04

Prepared: 08/24/21 Analyzed: 08/25/21

C6-C12	942	26.6	mg/kg dry	1060	ND	88.6	75-125	8.80	20	
>C12-C28	991	26.6	"	1060	228	71.7	75-125	9.37	20	QM-05
Surrogate: 1-Chlorooctane	104		"	106		98.0	70-130			
Surrogate: o-Terphenyl	54.5		"	53.2		102	70-130			

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: Crazy Wolf 1H Flare
Project Number: 13636
Project Manager: Tim McMinn

Notes and Definitions

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.

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:

8/30/2021

Brent Barron, Laboratory Director/Technical Director

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

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

Permian Basin Environmental Lab, L.P.

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

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

Etech Environmental

**12800 W Hwy 80 E
Odessa, Texas 79765**

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Phone: 432-563-2200
Fax: 432-563-2213

Project Name: Crazy Wolf 1H Flare Release


Project #: 13636

Project Loc:

PO #: ~~5884~~ Invoice Tech

Report Format:

☒ Standard ☐ TRRP ☐ NPDES

Project Manager:	Tim McMin
Company Name	Etech Environmental & Safety Solutions, Inc.
Company Address:	PO Box 62228
City/State/Zip:	Midland, Texas 79711
Telephone No:	432-563-2200
Sampler Signature:	 for CL

Fax No: 432-563-2213

e-mail: Tim@etechenv.com

e-mail: Tim@etechenv.com

(lab use only)

ORDER #: H23004


(lab use only)					
ORDER #: 1493004					
LAB # (lab use only)		FIELD CODE		Sample Depth	
		Sample Point 14		Date Sampled 8/18/2021	
2		Bottom Hole 3		Time Sampled 2:00	
				No. of Containers 1	
				Ice <input type="checkbox"/>	
				HNO ₃ <input type="checkbox"/>	
				HCl <input type="checkbox"/>	
				H ₂ SO ₄ <input type="checkbox"/>	
				NaOH <input type="checkbox"/>	
				Na ₂ S ₂ O ₃ <input type="checkbox"/>	
				None <input type="checkbox"/>	
				Other (Specify) <input type="checkbox"/>	
				Matrix S	
				TPH: 418.1 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	
				Semivolatiles	
				BTEX 8021B/5030	
				RCI	
				N.O.R.M.	
				TDS, Bromide	
				RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	
				Standard TAT	
Special Instructions:					
Relinquished by: [Signature] Date: 8-23-21 Time: 12:14P Received by: [Signature]					
Relinquished by: [Signature] Date: [Blank] Time: [Blank] Received by: [Signature]					
Relinquished by: [Signature] Date: 8/23/21 Time: 12:14P Received by: [Signature]					
Laboratory Comments:					
Sample Containers Intact? Y N					
VOCs Free of Headspace? Y N					
Labels on container(s)? Y N					
Custody seals on container(s)? Y N					
Custody seals on cooler(s)? Y N					
Sample Hand Delivered by Sampler/Client Rep.? Y N					
by Courier? UPS DHL FedEx Lone Star					
Temperature Upon Receipt: 48.9 °C					

APPENDIX C

Soil Boring Log

**Closure Request and Remediation Summary Report
Crazy Wolf 1 2 B2MM Fed COM 1H**



PROJECT NO. 12926		LOG OF SOIL BORING CW1		SHEET 1 of 1	
PROJECT NAME: Crazy Wolf 1H		DATE DRILLED: 12/1/2020		DATE PLUGGED: 12/4/2020	
CLIENT: Centennial Resource Development, Inc.		LOGGED BY: S. English		APPROVED BY: M. Green	
PROJECT LOCATION: Lea County, NM		LATITUDE/LONGITUDE - WGS84: 32.68353000° -103.72374100°		GROUND SURFACE ELEVATION: 3674 feet MSL	
Depth (ft)	Elevation (ft)	Description	Graphic Log	Well Construction	Additional Data
0	3670	Sand & Clay: Sand: Overall 7.5 YR 6/4 light brown, moderately sorted, medium to fine, subrounded to rounded, quartz. Clay: 7.5 YR 9/1 white, calcareous.	SC1		Hole plugged 12/4/2020. Cuttings backfilled into hole from 100 to 3 feet. Hydrated bentonite from 3 to 0 feet.
5	3665				
10	3660				
15	3655	Sandstone: 5 YR 7/6 reddish yellow to 2.5 YR 8/3 pink, moderately sorted, medium to fine, subrounded to rounded, friable, clay matrix. Matrix: 7.5 YR 9/1 white, calcareous.	Sandstone		
20	3650				
25	3645				
30	3640				No groundwater present in well.
35	3635				
40	3630				
45	3625	Claystone: 2.5 YR 6/4 light reddish brown, hard. Trace sands	Claystone		
50	3620				
55	3615				
60	3610				
65	3605	Sandy clay & Gravel: Sand: multicolored, fine to very fine, moderately sorted, angular to rounded. Clay: 2.5 YR 6/4 light reddish brown, hard. Gravel: poorly sorted, multicolored, pebble to granule.	GC		
70	3600				
75	3595	Sandy Clay: Sand: multicolored, fine to very fine, moderately sorted, angular to rounded. Clay: 2.5 YR 6/4 light reddish brown, hard.	SC		
80	3590	Sandy Clay & Gravel: Sand: multicolored, fine to very fine, moderately sorted, angular to rounded. Clay: 2.5 YR 6/4 light reddish brown, hard. Gravel: poorly sorted, multicolored, pebble to granule.	GC		
85	3585	Sandy Clay: Sand: multicolored, coarse to very fine, poorly sorted, angular to rounded. Clay: 2.5 YR 6/4 light reddish brown, hard.	SC		
90	3580				
95	3575				
100		Boring terminated at 100 feet bgs.			
		Etech Environmental & Safety Solutions P.O. Box 8469 Midland, Texas 79708 www.etechnv.com		DRILLING METHOD: Air Rotary DRILL RIG: Reichdrill CONTRACTOR: Talon LPE OPERATOR: Tom Evans	

APPENDIX D

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

**Closure Request and Remediation Summary Report
Crazy Wolf 1 2 B2MM Fed COM 1H**



District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

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

Incident ID	nAPP2100455356
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Centennial Resource Production, Inc	OGRID: 372165
Contact Name: Jamon Hohensee	Contact Telephone: 432-241-4283
Contact email: jamon.hohensee@cdevinc.com	Incident # nAPP2100455356
Contact mailing address: 500 W. Illinois Ave, Suite 500, Midland Texas 79705	

Location of Release Source

Latitude 32.6830216 Longitude -103.724171
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Crazy Wolf 1 2 B2MM Fed Com 1H	Site Type: Production Facility
Date Release Discovered: 1/3/21	API# (if applicable)

Unit Letter	Section	Township	Range	County
M	01	19S	32E	Lea

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

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 75	Volume Recovered (bbls) 60
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:

Oil dump valve was stuck due to material blocking the outlet. This resulted in flooding the gun barrel and releasing material. Site was secured and release was stopped. Site will be remediated to OCD standards.

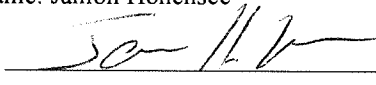
State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Larger than 25bbbls released.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, email was sent to Jim Griswold and OCD dist 1 spills email.	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> 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: Jamon Hohensee Signature:  email: jamon.hohensee@cdevinc.com	Title: Sr. Environmental Analyst Date: <u>1-26-21</u> Telephone: 432-241-4283
<u>OCD Only</u> Received by: _____ Date: _____	

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> 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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2106743129
District RP	
Facility ID	
Application ID	20007

Release Notification

Responsible Party

Responsible Party: Centennial Resource Production, Inc	OGRID: 372165
Contact Name: Jamon Hohensee	Contact Telephone: 432-241-4283
Contact email: jamon.hohensee@cdevinc.com	Incident # nAPP2106743129
Contact mailing address: 500 W. Illinois Ave, Suite 500, Midland Texas 79705	

Location of Release Source

Latitude 32.68302

Longitude -103.72417

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Crazy Wolf 1 2 B2MM Fed Com 1H	Site Type: Production Facility
Date Release Discovered: 2/19/21	API# (if applicable)

Unit Letter	Section	Township	Range	County
M	1	19S	32E	Lea

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

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 105	Volume Recovered (bbls) 75
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: A frozen oil dump valve caused oil to be released from the separator and flare. There was no fire. The release was located around the separation equipment and flare. There was a misting of oil to the northwest. The site will be remediated to state standards. There are two other reported spills at the location that will be remediated at the same time: nRM2024537991 and nAPP2100455356.

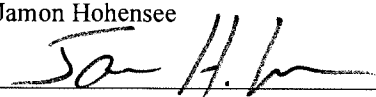
State of New Mexico
Oil Conservation Division

Incident ID	NAPP2106743129
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Volume released was greater than 25bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, email notification was given to Jim Griswold on 2/20/21. Also, a NOR on the OCD permitting website was filled out and submitted on 3/8/21.	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> 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: Jamon Hohensee	Title: Sr. Environmental Analyst
Signature: 	Date: 3/8/21
email: jamon.hohensee@cdevinc.com	Telephone: 432-241-4283
<u>OCD Only</u>	
Received by: <u>Cristina Eads</u>	Date: <u>03/08/2021</u>

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> 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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> No

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

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

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____
Signature: _____ Date: _____
email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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

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

CONDITIONS

Action 20047

CONDITIONS OF APPROVAL

Operator:	CENTENNIAL RESOURCE PRODUCTION	1001 17th Street, Suite 1800	Denver, CO80202	OGRID:	372165	Action Number:	20047	Action Type:	C-141
OCD Reviewer	Condition								
ceads	None								

District I

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

CONDITIONS

Action 54907

CONDITIONS

Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 54907
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	11/15/2021