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	nAPP2205633098
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Chevron USA	OGRID: 4323
Contact Name: Amy Barnhill	Contact Telephone: 432-687-7108
Contact email: ABarnhill@chevron.com	Incident # *(assigned by OCD):* nAPP2205633098
Contact mailing address: 6301 Deauville Blvd Midland, Tx 79706	

Location of Release Source

Latitude 32.400539 Longitude -103.562422
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: DL 22 33 Sec 15/22 Pad 219, Pkg 3 Dagger Lake Narwhal Pad	Site Type: Produced Water
Date Release Discovered: 2-9-22	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
N	10	22S	33E	Lea

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 5	Volume Recovered (bbls) 1
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: a failure on the body of the layflat hose

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2205633098
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

☒ The source of the 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: Amy Barnhill Title: Water Specialist

Signature: Amy Barnhill Date: 2-7-22

email: ABarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: Ramona Marcus Date: 3/1/2022

Incident ID	nAPP2205633098
District RP	
Facility ID	
Application ID	

Spill Calculations:

4.76	free-fluid
0.24	in soil
5.00	total

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

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

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 84315
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	None	3/1/2022

Incident ID	nAPP2205633098
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?	>100 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☒ Yes ☐ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2205633098
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: Amy Barnhill Title: Environmental Advisor

Signature: Amy Barnhill Date: 8-23-23

email: ABarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: Shelly Wells Date: 8/24/2023

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2205633098
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: Amy Barnhill Title: Environmental Advisor

Signature: Amy Barnhill Date: 8-23-23

email: ABarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: Shelly Wells Date: 8/24/2023

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: Nelson Velez Date: 12/06/2023

Printed Name: Nelson Velez Title: Environmental Specialist - Adv

Operator did not meet 19.15.29.12D (1a) NMAC. Forbearance given to Etech on 10/06/2023. Release resolved.

Environmental & Safety Solutions, Inc.

CLOSURE REQUEST REPORT

Dagger Lake Narwhal Pad

Lea County, New Mexico

Incident Number nAPP2205633098

Prepared For:

Chevron USA, Inc.

6301 Deauville Blvd.

Midland, TX 79706

Carlsbad ● Midland ● San Antonio ● Lubbock ● Hobbs ● Lafayette

SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Chevron USA, Inc. (Chevron), presents the following Closure Request Report (CRR) detailing excavation activities and subsequent soil sampling activities in accordance with an approved Remediation Work Plan (RWP) for an inadvertent release of produced water at the DL 22 33 Sec 15/22 Pad 219, Pkg 3 Dagger Lake Narwhal Pad *also referred to as* Dagger Lake Narwhal Pad (Site). Based on completed remedial actions and laboratory analytical results from recent soil sampling events, Chevron is requesting No Further Action (NFA) at the Site.

SITE LOCATION AND BACKGROUND

The Site is located in Unit N, Section 10, Township 22 South, Range 33 East, in Lea County, New Mexico (32.400539 N, 103.562422° W) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management. (**Figure 1** in **Appendix A**).

On February 9, 2022, a lay flat hose failure caused the release of approximately 5 barrels (bbls) of produced water between two production pads. Vacuum trucks recovered approximately 1 bbl of free-standing fluid. Chevron reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Corrective Action Form C-141 (Form C-141), which was received by the NMOCD on February 25, 2022, and was subsequently assigned Incident Number nAPP2205633098. **Figure 2** in **Appendix A** depicts the observed release area, hereafter referred to as the Area of Concern (AOC).

Between August 10, 2022, and September 6, 2022, Etech conducted site assessment and delineation soil sampling activities to assess the presence and/or absence of impacts associated with the subject release. A RWP was prepared by Etech to address residual impacts based on laboratory analytical results from delineation activities that exceeded the Site Closure Criteria. The RWP was approved by the NMOCD on November 18, 2022 with the following condition:

- *"Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination (<50'). Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Sidewall/Floor samples should represent no more than 200 ft^2."*

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

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

Depth to groundwater was determined to be greater than 100 feet below ground surface (bgs) in the RWP and is further supported by New Mexico Office of the State Engineer (NMOSE) permitted soil boring C-01899 (TW-1) that was drilled by Atkins Engineering Associates, Inc. for Marathon between February 9 and February 24, 2022, located approximately 1.4 miles west of the Site. The soil boring location may be referenced on **Figure 1** in **Appendix A**. Using a truck mounted drill rig equipped with hollow stem auger, the soil boring was advanced to a total depth of 101 feet bgs. No fluids were observed throughout the drilling process nor after an observation period exceeding 72 hours. Following the observation period, the boring was plugged and abandoned according to the appropriate regulations. The boring log is provided in **Appendix B**.

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

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

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

EXCAVATION SOIL SAMPLING ACTIVITIES

On May 1, 2023, Etech conducted excavation of identified impacts based on laboratory analytical results and visual observations via mechanical equipment. Excavation activities were driven by field screening soil samples for volatile organic hydrocarbons using a photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips.

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

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

LABORATORY ANALYTICAL RESULTS

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

SITE CLOSURE REQUEST

Based on laboratory analytical results for confirmation excavation soil samples, Chevron believes residual soil impacts associated with the inadvertent release have been excavated and removed from the Site. Concentrations of COCs for all final excavation confirmation soil samples were below the Site Closure Criteria. As such, NFA appears warranted at this time and Incident Number nAPP2205633098 should be respectfully considered for Closure by the NMOCD. Chevron believes the completed remedial actions have mitigated impacts at the Site and the requirements set forth in NMAC guidelines and be protective of human health, the environment, and groundwater.

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

Sincerely,
Etech Environmental and Safety Solutions, Inc.

Blake Estep
Project Manager

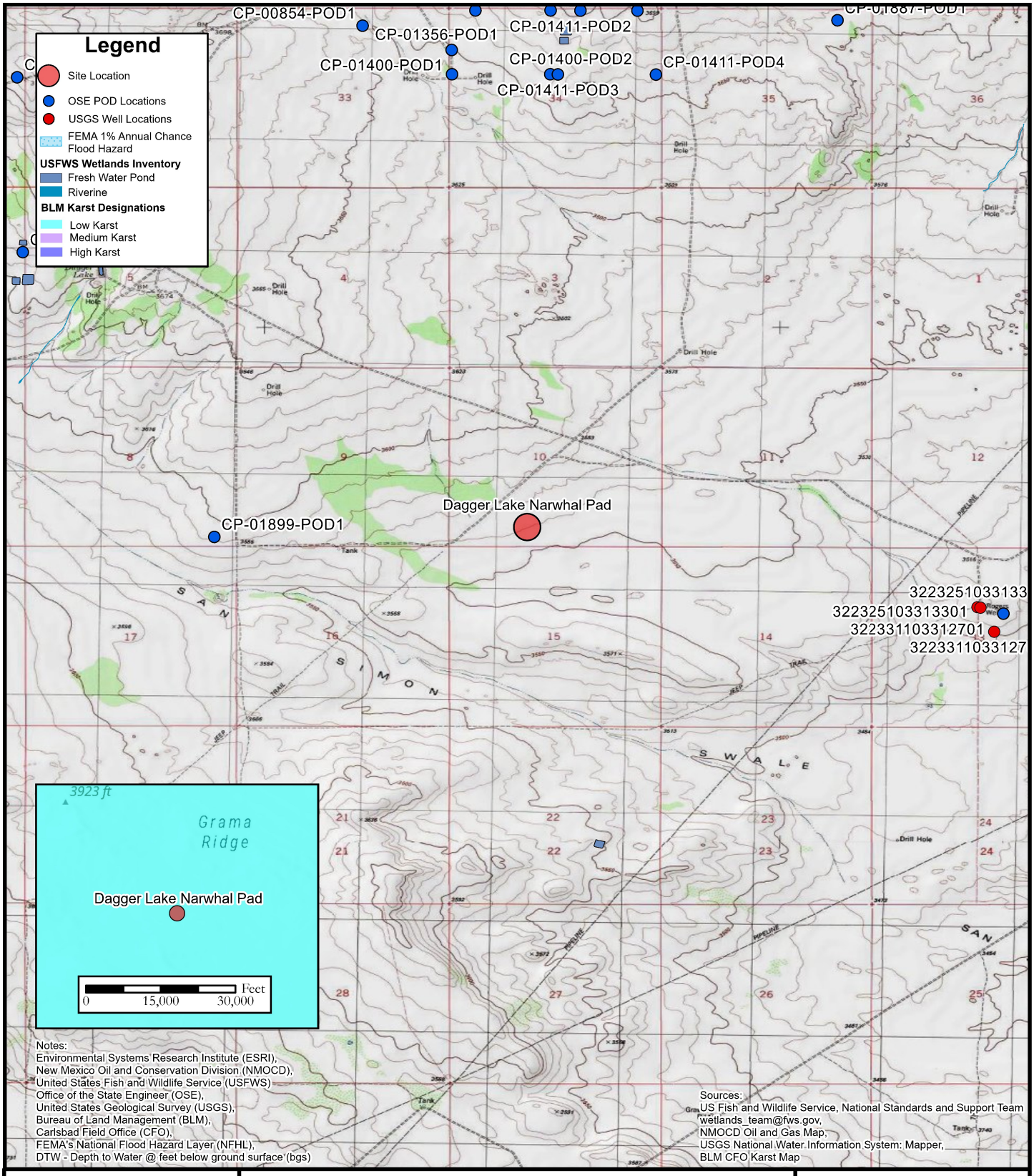
cc: Amy Barnhill, Chevron
New Mexico Oil Conservation Division
Bureau of Land Management

Appendices:

Appendix A: Figure 1: Site Map
Figure 2: Excavation Soil Sample Locations
Appendix B: Referenced Well Records
Appendix C: Photographic Log
Appendix D: Tables
Appendix E: Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix F: Approved Remediation Work Plan

APPENDIX A

Figures



Notes:
Environmental Systems Research Institute (ESRI),
New Mexico Oil and Conservation Division (NMOCD),
United States Fish and Wildlife Service (USFWS)
Office of the State Engineer (OSE),
United States Geological Survey (USGS),
Bureau of Land Management (BLM),
Carlsbad Field Office (CFO),
FEMA's National Flood Hazard Layer (NFHL),
DTW - Depth to Water @ feet below ground surface (bgs)

Sources:
US Fish and Wildlife Service, National Standards and Support Team wetlands_team@fws.gov,
NMOCD Oil and Gas Map,
USGS National Water Information System: Mapper,
BLM CFO Karst Map

eTECH

FIGURE 1

Site Map

Chevron USA, Inc.
Dagger Lake Narwhal Pad
Unit N Sec 10 T22S R33E
Lea County, New Mexico

N

0 2,000 4,000 Feet

eTECH

FIGURE 2

Excavation Soil Sample Locations

Chevron USA, Inc.
Dagger Lake Narwhal Pad
Unit N Sec 10 T22S R33E
Lea County, New Mexico

N

0 45 90 Feet

APPENDIX B

Referenced Well Records

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD1 (TW-1)		CP-1899

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Marathon Oil	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
4111 S Tidwell Rd.	Carlsbad	NM	88220

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	23	59.07	N
	LONGITUDE	103	35	16.17	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE

SE SE SE Sec. 09 T22S R33E, NMPM

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
2/9/2022	2/24/2022	temporary casing	±101	n/a

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): n/a

DATE STATIC MEASURED: 2/24/22, 3/8/2022

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: Hollow Stem Auger

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	101	±8.5	Boring	--	--	--	--

OSE DII MAR 11 2022 PM 01:47

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	CP-1899	POD NO.	POD1	TRN NO.	717713
LOCATION	SESESE 8 22S 33E			WELL TAG ID NO.	NA

PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	9	9	Sand, Fine-grained, poorly graded with caliche, Brown	Y ✓ N	
9	19	10	Sand, Fine-grained, poorly graded with caliche, Tan	Y ✓ N	
19	34	15	Sand, Fine-grained, poorly graded with sub-angular gravel, Tan	Y ✓ N	
34	44	10	Sand, Fine-grained, poorly graded, Tan	Y ✓ N	
44	49	5	Sand, Fine-grained, poorly graded with sub-angular gravel, Brown	Y ✓ N	
49	101	52	Clay, with sand ,Dry, Brown	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Temporary well materials removed and he soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips ten feet below ground surface to surface.

OSE DII MAR 11 2022 AM8:51

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Shane Eldridge, Cameron Pruitt

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Jack Atkins — Jackie D. Atkins — 3/10/2022

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. CP-1899	POD NO. POD1	TRN NO. 717713	
LOCATION SESESE 8 22S 33E		WELL TAG ID NO. NA	PAGE 2 OF 2

Mike A. Hamman, P.E.
State Engineer

Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 717713
File Nbr: CP 01899
Well File Nbr: CP 01899 POD1

Mar. 22, 2022

MELODIE SANJARI
MARATHON OIL
4111 S TIDWELL RD
CARLSBAD, NM 88220

Greetings:

The above numbered permit was issued in your name on 01/31/2022.

The Well Record was received in this office on 03/11/2022, stating that it had been completed on 02/24/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 01/31/2023.

If you have any questions, please feel free to contact us.

Sincerely,

Megen Telles
(575)622-6521

drywell

APPENDIX C

Photographic Log

eTECH Environmental & Safety Solutions, Inc.

PHOTOGRAPHIC LOG
Chevron USA, Inc.
Dagger Lake Narwhal Pad
Incident Number nAPP2205633098

Photograph 1 **Date: 05/01/2023**
Description: Southwestern view of excavation activities

Photograph 2 **Date: 05/01/2023**
Description: Southwestern view of continued excavation activities

Photograph 3 **Date: 05/01/2023**
Description: Northwestern view of the final excavation extent

Photograph 4 **Date: 05/01/2023**
Description: Northeastern view of the final excavatation extent

eTECH Environmental & Safety Solutions, Inc.

PHOTOGRAPHIC LOG
Chevron USA, Inc.
Dagger Lake Narwhal Pad
Incident Number nAPP2205633098

Photograph 5 **Date: 05/24/2023**
Description: Northern view of backfilled excavation

Photograph 6 **Date: 05/24/2023**
Description: Southwestern view of backfilled excavation

Photograph 7 **Date: 05/24/2023**
Description: Southeastern view of backfilled excavation

Photograph 8 **Date: 05/24/2023**
Description: Southern view of backfilled excavation

APPENDIX D

Tables

Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Chevron USA, Inc. - Dagger Lake Narwhal Pad
Lea County, New Mexico

eTECH Environmental & Safety Solutions, Inc.

Etech Project No. #16450

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**100**	**600**
Excavation Soil Samples - Incident Number nAPP2205633098									
Bottom Hole 1	05/01/2023	5	<0.00100	<0.00200	<25.0	<25.0	<25.0	<25.0	1.91
Bottom Hole 2	05/01/2023	5	<0.00100	<0.00200	<25.0	<25.0	<25.0	<25.0	<1.00
South Wall 1	05/01/2023	3	<0.00100	<0.00200	<25.0	<25.0	<25.0	<25.0	<1.00
South Wall 2	05/01/2023	3	<0.00100	<0.00200	<25.0	<25.0	<25.0	<25.0	4.18
West Wall	05/01/2023	3	<0.00100	<0.00200	<25.0	<25.0	<25.0	<25.0	2.25
North Wall 1	05/01/2023	3	<0.00100	<0.00200	<25.0	<25.0	<25.0	<25.0	7.53
North Wall 2	05/01/2023	3	<0.00100	<0.00200	<25.0	<25.0	<25.0	<25.0	4.09
East Wall	05/01/2023	3	<0.00100	<0.00200	<25.0	<25.0	<25.0	<25.0	4.92

Notes:
bgs: below ground surface
mg/kg: milligrams per kilogram
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes
GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon
NMOCD: New Mexico Oil Conservation Division
NMAC: New Mexico Administrative Code

APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation

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

PBELAB

Analytical Report

Prepared for:

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

Project: Dagger Lake
Project Number: 16450
Location: New Mexico

Lab Order Number: 3E04010

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 05/15/23

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom Hole 1 @ 5'	3E04010-01	Soil	05/01/23 13:30	05-04-2023 09:45
Bottom Hole 2 @ 5'	3E04010-02	Soil	05/01/23 13:35	05-04-2023 09:45
South Wall - 1 @ 3'	3E04010-03	Soil	05/01/23 13:40	05-04-2023 09:45
South Wall - 2 @ 3'	3E04010-04	Soil	05/01/23 13:45	05-04-2023 09:45
West Wall @ 3'	3E04010-05	Soil	05/01/23 14:05	05-04-2023 09:45
North Wall - 1 @ 3'	3E04010-06	Soil	05/01/23 13:50	05-04-2023 09:45
North Wall - 2 @ 3'	3E04010-07	Soil	05/01/23 13:55	05-04-2023 09:45
East Wall @ 3'	3E04010-08	Soil	05/01/23 14:00	05-04-2023 09:45

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole 1 @ 5'

3E04010-01 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 10:11	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 10:11	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 10:11	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 10:11	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 10:11	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		*P3E0511*	*05/05/23 16:18*	*05/06/23 10:11*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.5 %*	*80-120*		*P3E0511*	*05/05/23 16:18*	*05/06/23 10:11*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P3E0811	05/08/23 13:00	05/14/23 00:31	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P3E0811	05/08/23 13:00	05/14/23 00:31	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P3E0811	05/08/23 13:00	05/14/23 00:31	TPH 8015M	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		*P3E0811*	*05/08/23 13:00*	*05/14/23 00:31*	*TPH 8015M*	
Surrogate: o-Terphenyl		*112 %*	*70-130*		*P3E0811*	*05/08/23 13:00*	*05/14/23 00:31*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	05/08/23 13:00	05/14/23 00:31	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1.91**	1.00	mg/kg dry	1	P3E0506	05/05/23 13:45	05/08/23 20:53	EPA 300.0	
% Moisture	ND	0.1	%	1	P3E0505	05/05/23 09:32	05/05/23 09:38	ASTM D2216	

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

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

Bottom Hole 2 @ 5'

3E04010-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 10:31	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 10:31	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 10:31	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 10:31	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 10:31	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		*P3E0511*	*05/05/23 16:18*	*05/06/23 10:31*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.8 %*	*80-120*		*P3E0511*	*05/05/23 16:18*	*05/06/23 10:31*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P3E0811	05/08/23 13:00	05/14/23 00:56	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P3E0811	05/08/23 13:00	05/14/23 00:56	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P3E0811	05/08/23 13:00	05/14/23 00:56	TPH 8015M	
Surrogate: 1-Chlorooctane		*95.0 %*	*70-130*		*P3E0811*	*05/08/23 13:00*	*05/14/23 00:56*	*TPH 8015M*	
Surrogate: o-Terphenyl		*102 %*	*70-130*		*P3E0811*	*05/08/23 13:00*	*05/14/23 00:56*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	05/08/23 13:00	05/14/23 00:56	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.00	mg/kg dry	1	P3E0506	05/05/23 13:45	05/08/23 21:07	EPA 300.0	
% Moisture	ND	0.1	%	1	P3E0505	05/05/23 09:32	05/05/23 09:38	ASTM D2216	

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

South Wall - 1 @ 3'

3E04010-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 10:52	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 10:52	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 10:52	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 10:52	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 10:52	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		*P3E0511*	*05/05/23 16:18*	*05/06/23 10:52*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.5 %*	*80-120*		*P3E0511*	*05/05/23 16:18*	*05/06/23 10:52*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P3E0811	05/08/23 13:00	05/14/23 01:20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P3E0811	05/08/23 13:00	05/14/23 01:20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P3E0811	05/08/23 13:00	05/14/23 01:20	TPH 8015M	
Surrogate: 1-Chlorooctane		*95.6 %*	*70-130*		*P3E0811*	*05/08/23 13:00*	*05/14/23 01:20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*102 %*	*70-130*		*P3E0811*	*05/08/23 13:00*	*05/14/23 01:20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	05/08/23 13:00	05/14/23 01:20	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.00	mg/kg dry	1	P3E0506	05/05/23 13:45	05/08/23 21:21	EPA 300.0	
% Moisture	ND	0.1	%	1	P3E0505	05/05/23 09:32	05/05/23 09:38	ASTM D2216	

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

South Wall - 2 @ 3'

3E04010-04 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 11:12	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 11:12	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 11:12	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 11:12	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 11:12	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		*P3E0511*	*05/05/23 16:18*	*05/06/23 11:12*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.2 %*	*80-120*		*P3E0511*	*05/05/23 16:18*	*05/06/23 11:12*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P3E0811	05/08/23 13:00	05/14/23 01:44	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P3E0811	05/08/23 13:00	05/14/23 01:44	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P3E0811	05/08/23 13:00	05/14/23 01:44	TPH 8015M	
Surrogate: 1-Chlorooctane		*85.6 %*	*70-130*		*P3E0811*	*05/08/23 13:00*	*05/14/23 01:44*	*TPH 8015M*	
Surrogate: o-Terphenyl		*90.7 %*	*70-130*		*P3E0811*	*05/08/23 13:00*	*05/14/23 01:44*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	05/08/23 13:00	05/14/23 01:44	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4.18**	1.00	mg/kg dry	1	P3E0506	05/05/23 13:45	05/08/23 21:36	EPA 300.0	
% Moisture	ND	0.1	%	1	P3E0505	05/05/23 09:32	05/05/23 09:38	ASTM D2216	

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

West Wall @ 3'

3E04010-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 11:33	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 11:33	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 11:33	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 11:33	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 11:33	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*97.2 %*	*80-120*		*P3E0511*	*05/05/23 16:18*	*05/06/23 11:33*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		*P3E0511*	*05/05/23 16:18*	*05/06/23 11:33*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P3E0811	05/08/23 13:00	05/14/23 02:09	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P3E0811	05/08/23 13:00	05/14/23 02:09	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P3E0811	05/08/23 13:00	05/14/23 02:09	TPH 8015M	
Surrogate: 1-Chlorooctane		*75.8 %*	*70-130*		*P3E0811*	*05/08/23 13:00*	*05/14/23 02:09*	*TPH 8015M*	
Surrogate: o-Terphenyl		*80.6 %*	*70-130*		*P3E0811*	*05/08/23 13:00*	*05/14/23 02:09*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	05/08/23 13:00	05/14/23 02:09	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**2.25**	1.00	mg/kg dry	1	P3E0506	05/05/23 13:45	05/08/23 21:50	EPA 300.0	
% Moisture	ND	0.1	%	1	P3E0505	05/05/23 09:32	05/05/23 09:38	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

North Wall - 1 @ 3'

3E04010-06 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 11:53	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 11:53	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 11:53	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 11:53	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 11:53	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		*P3E0511*	*05/05/23 16:18*	*05/06/23 11:53*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.6 %*	*80-120*		*P3E0511*	*05/05/23 16:18*	*05/06/23 11:53*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P3E0811	05/08/23 13:00	05/14/23 02:33	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P3E0811	05/08/23 13:00	05/14/23 02:33	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P3E0811	05/08/23 13:00	05/14/23 02:33	TPH 8015M	
Surrogate: 1-Chlorooctane		*74.6 %*	*70-130*		*P3E0811*	*05/08/23 13:00*	*05/14/23 02:33*	*TPH 8015M*	
Surrogate: o-Terphenyl		*79.0 %*	*70-130*		*P3E0811*	*05/08/23 13:00*	*05/14/23 02:33*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	05/08/23 13:00	05/14/23 02:33	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**7.53**	1.00	mg/kg dry	1	P3E0506	05/05/23 13:45	05/08/23 22:05	EPA 300.0	
% Moisture	ND	0.1	%	1	P3E0505	05/05/23 09:32	05/05/23 09:38	ASTM D2216	

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

North Wall - 2 @ 3'

3E04010-07 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 12:14	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 12:14	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 12:14	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 12:14	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 12:14	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*97.8 %*	*80-120*		*P3E0511*	*05/05/23 16:18*	*05/06/23 12:14*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		*P3E0511*	*05/05/23 16:18*	*05/06/23 12:14*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P3E0811	05/08/23 13:00	05/14/23 02:57	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P3E0811	05/08/23 13:00	05/14/23 02:57	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P3E0811	05/08/23 13:00	05/14/23 02:57	TPH 8015M	
Surrogate: 1-Chlorooctane		*74.1 %*	*70-130*		*P3E0811*	*05/08/23 13:00*	*05/14/23 02:57*	*TPH 8015M*	
Surrogate: o-Terphenyl		*77.6 %*	*70-130*		*P3E0811*	*05/08/23 13:00*	*05/14/23 02:57*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	05/08/23 13:00	05/14/23 02:57	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4.09**	1.00	mg/kg dry	1	P3E0507	05/05/23 13:47	05/08/23 23:31	EPA 300.0	
% Moisture	ND	0.1	%	1	P3E0505	05/05/23 09:32	05/05/23 09:38	ASTM D2216	

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

East Wall @ 3'

3E04010-08 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 12:35	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 12:35	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 12:35	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 12:35	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P3E0511	05/05/23 16:18	05/06/23 12:35	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*97.5 %*	*80-120*		*P3E0511*	*05/05/23 16:18*	*05/06/23 12:35*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		*P3E0511*	*05/05/23 16:18*	*05/06/23 12:35*	*EPA 8021B*	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.0	mg/kg dry	1	P3E0811	05/08/23 13:00	05/14/23 03:21	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P3E0811	05/08/23 13:00	05/14/23 03:21	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P3E0811	05/08/23 13:00	05/14/23 03:21	TPH 8015M	
Surrogate: 1-Chlorooctane		*77.1 %*	*70-130*		*P3E0811*	*05/08/23 13:00*	*05/14/23 03:21*	*TPH 8015M*	
Surrogate: o-Terphenyl		*82.1 %*	*70-130*		*P3E0811*	*05/08/23 13:00*	*05/14/23 03:21*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	05/08/23 13:00	05/14/23 03:21	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4.92**	1.00	mg/kg dry	1	P3E0507	05/05/23 13:47	05/08/23 23:45	EPA 300.0	
% Moisture	ND	0.1	%	1	P3E0505	05/05/23 09:32	05/05/23 09:38	ASTM D2216	

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3E0511 - * DEFAULT PREP *** **										
Blank (P3E0511-BLK1)				Prepared: 05/05/23 Analyzed: 05/06/23						
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*95.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.120*		"	*0.120*		*100*	*80-120*			
LCS (P3E0511-BS1)				Prepared: 05/05/23 Analyzed: 05/06/23						
Benzene	0.116	0.00100	mg/kg	0.100		116	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120			
Xylene (p/m)	0.212	0.00200	"	0.200		106	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	*0.128*		"	*0.120*		*107*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.2*	*80-120*			
LCS Dup (P3E0511-BSD1)				Prepared: 05/05/23 Analyzed: 05/06/23						
Benzene	0.119	0.00100	mg/kg	0.100		119	80-120	2.95	20	
Toluene	0.116	0.00100	"	0.100		116	80-120	3.54	20	
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120	3.44	20	
Xylene (p/m)	0.218	0.00200	"	0.200		109	80-120	2.50	20	
Xylene (o)	0.107	0.00100	"	0.100		107	80-120	3.35	20	
Surrogate: 1,4-Difluorobenzene	*0.116*		"	*0.120*		*96.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.127*		"	*0.120*		*106*	*80-120*			
Calibration Blank (P3E0511-CCB1)				Prepared: 05/05/23 Analyzed: 05/06/23						
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.110		"							
Xylene (p/m)	0.140		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*95.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.119*		"	*0.120*		*99.5*	*80-120*			

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3E0511 - * DEFAULT PREP *** **										
Calibration Blank (P3E0511-CCB2)				Prepared: 05/05/23 Analyzed: 05/06/23						
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.140		"							
Xylene (p/m)	0.170		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*95.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.112*		"	*0.120*		*93.4*	*80-120*			
Calibration Blank (P3E0511-CCB3)				Prepared: 05/05/23 Analyzed: 05/06/23						
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.130		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*95.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.117*		"	*0.120*		*97.6*	*80-120*			
Calibration Check (P3E0511-CCV1)				Prepared: 05/05/23 Analyzed: 05/06/23						
Benzene	0.117	0.00100	mg/kg	0.100		117	80-120			
Toluene	0.115	0.00100	"	0.100		115	80-120			
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120			
Xylene (p/m)	0.217	0.00200	"	0.200		108	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.4*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.128*		"	*0.120*		*106*	*75-125*			
Calibration Check (P3E0511-CCV2)				Prepared: 05/05/23 Analyzed: 05/06/23						
Benzene	0.117	0.00100	mg/kg	0.100		117	80-120			
Toluene	0.111	0.00100	"	0.100		111	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.195	0.00200	"	0.200		97.7	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	*0.127*		"	*0.120*		*105*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.112*		"	*0.120*		*93.8*	*75-125*			

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3E0511 - * DEFAULT PREP *** **										
Calibration Check (P3E0511-CCV3)				Prepared: 05/05/23 Analyzed: 05/06/23						
Benzene	0.120	0.00100	mg/kg	0.100		120	80-120			
Toluene	0.117	0.00100	"	0.100		117	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.212	0.00200	"	0.200		106	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 4-Bromofluorobenzene	*0.118*		*"*	*0.120*		*98.3*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.113*		*"*	*0.120*		*94.4*	*75-125*			
Matrix Spike (P3E0511-MS1)		**Source: 3E04009-10**		Prepared: 05/05/23 Analyzed: 05/06/23						
Benzene	0.103	0.00111	mg/kg dry	0.111	ND	93.0	80-120			
Toluene	0.0889	0.00111	"	0.111	ND	80.0	80-120			
Ethylbenzene	0.0764	0.00111	"	0.111	ND	68.8	80-120			QM-05
Xylene (p/m)	0.150	0.00222	"	0.222	ND	67.6	80-120			QM-05
Xylene (o)	0.0794	0.00111	"	0.111	ND	71.5	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	*0.143*		*"*	*0.133*		*107*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.131*		*"*	*0.133*		*98.6*	*80-120*			
Matrix Spike Dup (P3E0511-MSD1)		**Source: 3E04009-10**		Prepared: 05/05/23 Analyzed: 05/06/23						
Benzene	0.115	0.00111	mg/kg dry	0.111	ND	104	80-120	11.0	20	
Toluene	0.0966	0.00111	"	0.111	ND	86.9	80-120	8.29	20	
Ethylbenzene	0.0841	0.00111	"	0.111	ND	75.7	80-120	9.53	20	QM-05
Xylene (p/m)	0.166	0.00222	"	0.222	ND	74.7	80-120	10.0	20	QM-05
Xylene (o)	0.0919	0.00111	"	0.111	ND	82.7	80-120	14.6	20	
Surrogate: 1,4-Difluorobenzene	*0.132*		*"*	*0.133*		*99.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.142*		*"*	*0.133*		*106*	*80-120*			

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3E0811 - TX 1005										
Blank (P3E0811-BLK1)				Prepared: 05/08/23 Analyzed: 05/13/23						
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*84.2*		*"*	*100*		*84.2*	*70-130*			
Surrogate: o-Terphenyl	*46.7*		*"*	*50.0*		*93.4*	*70-130*			
LCS (P3E0811-BS1)				Prepared: 05/08/23 Analyzed: 05/13/23						
C6-C12	976	25.0	mg/kg	1000		97.6	75-125			
>C12-C28	871	25.0	"	1000		87.1	75-125			
Surrogate: 1-Chlorooctane	*113*		*"*	*100*		*113*	*70-130*			
Surrogate: o-Terphenyl	*53.4*		*"*	*50.0*		*107*	*70-130*			
LCS Dup (P3E0811-BSD1)				Prepared: 05/08/23 Analyzed: 05/13/23						
C6-C12	966	25.0	mg/kg	1000		96.6	75-125	1.00	20	
>C12-C28	873	25.0	"	1000		87.3	75-125	0.305	20	
Surrogate: 1-Chlorooctane	*112*		*"*	*100*		*112*	*70-130*			
Surrogate: o-Terphenyl	*52.5*		*"*	*50.0*		*105*	*70-130*			
Calibration Check (P3E0811-CCV1)				Prepared: 05/08/23 Analyzed: 05/13/23						
C6-C12	485	25.0	mg/kg	500		97.0	85-115			
>C12-C28	460	25.0	"	500		92.1	85-115			
Surrogate: 1-Chlorooctane	*94.6*		*"*	*100*		*94.6*	*70-130*			
Surrogate: o-Terphenyl	*47.7*		*"*	*50.0*		*95.3*	*70-130*			
Calibration Check (P3E0811-CCV2)				Prepared: 05/08/23 Analyzed: 05/14/23						
C6-C12	487	25.0	mg/kg	500		97.3	85-115			
>C12-C28	498	25.0	"	500		99.5	85-115			
Surrogate: 1-Chlorooctane	*96.8*		*"*	*100*		*96.8*	*70-130*			
Surrogate: o-Terphenyl	*46.7*		*"*	*50.0*		*93.4*	*70-130*			

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3E0811 - TX 1005										
Matrix Spike (P3E0811-MS1)	**Source: 3E05006-12**			Prepared: 05/08/23 Analyzed: 05/14/23						
C6-C12	881	26.3	mg/kg dry	1050	10.5	82.7	75-125			
>C12-C28	814	26.3	"	1050	17.4	75.6	75-125			
Surrogate: 1-Chlorooctane	*85.2*		*"*	*105*		*80.9*	*70-130*			
Surrogate: o-Terphenyl	*39.9*		*"*	*52.6*		*75.8*	*70-130*			
Matrix Spike Dup (P3E0811-MSD1)	**Source: 3E05006-12**			Prepared: 05/08/23 Analyzed: 05/14/23						
C6-C12	951	26.3	mg/kg dry	1050	10.5	89.4	75-125	7.78	20	
>C12-C28	894	26.3	"	1050	17.4	83.3	75-125	9.64	20	
Surrogate: 1-Chlorooctane	*92.9*		*"*	*105*		*88.3*	*70-130*			
Surrogate: o-Terphenyl	*40.7*		*"*	*52.6*		*77.3*	*70-130*			

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3E0505 - * DEFAULT PREP *** **										
Blank (P3E0505-BLK1)				Prepared & Analyzed: 05/05/23						
% Moisture	ND	0.1	%							
Blank (P3E0505-BLK2)				Prepared & Analyzed: 05/05/23						
% Moisture	ND	0.1	%							
Blank (P3E0505-BLK3)				Prepared & Analyzed: 05/05/23						
% Moisture	ND	0.1	%							
Blank (P3E0505-BLK4)				Prepared & Analyzed: 05/05/23						
% Moisture	ND	0.1	%							
Duplicate (P3E0505-DUP1)		**Source: 3E04005-03**		Prepared & Analyzed: 05/05/23						
% Moisture	13.0	0.1	%		13.0			0.00	20	
Duplicate (P3E0505-DUP2)		**Source: 3E04005-13**		Prepared & Analyzed: 05/05/23						
% Moisture	13.0	0.1	%		13.0			0.00	20	
Duplicate (P3E0505-DUP3)		**Source: 3E04011-05**		Prepared & Analyzed: 05/05/23						
% Moisture	8.0	0.1	%		8.0			0.00	20	
Duplicate (P3E0505-DUP4)		**Source: 3E04011-15**		Prepared & Analyzed: 05/05/23						
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P3E0505-DUP5)		**Source: 3E04009-09**		Prepared & Analyzed: 05/05/23						
% Moisture	1.0	0.1	%		2.0			66.7	20	R3
Duplicate (P3E0505-DUP6)		**Source: 3E04009-19**		Prepared & Analyzed: 05/05/23						
% Moisture	3.0	0.1	%		4.0			28.6	20	R3

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3E0505 - * DEFAULT PREP *** **										
Duplicate (P3E0505-DUP7)		**Source: 3E04015-06**		Prepared & Analyzed: 05/05/23						
% Moisture	8.0	0.1	%		8.0			0.00	20	
Batch P3E0506 - * DEFAULT PREP *** **										
Blank (P3E0506-BLK1)				Prepared: 05/05/23 Analyzed: 05/08/23						
Chloride	ND	1.00	mg/kg							
LCS (P3E0506-BS1)				Prepared: 05/05/23 Analyzed: 05/08/23						
Chloride	19.1		mg/kg	20.0		95.6	90-110			
LCS Dup (P3E0506-BSD1)				Prepared: 05/05/23 Analyzed: 05/08/23						
Chloride	18.6		mg/kg	20.0		92.9	90-110	2.82	10	
Calibration Check (P3E0506-CCV1)				Prepared: 05/05/23 Analyzed: 05/08/23						
Chloride	18.3		mg/kg	20.0		91.7	90-110			
Calibration Check (P3E0506-CCV2)				Prepared: 05/05/23 Analyzed: 05/08/23						
Chloride	19.0		mg/kg	20.0		94.8	90-110			
Matrix Spike (P3E0506-MS1)		**Source: 3E04009-12**		Prepared: 05/05/23 Analyzed: 05/08/23						
Chloride	96.7		mg/kg	50.0	40.7	112	80-120			
Matrix Spike (P3E0506-MS2)		**Source: 3E04009-17**		Prepared: 05/05/23 Analyzed: 05/08/23						
Chloride	93.6		mg/kg	100	8.12	85.5	80-120			
Matrix Spike Dup (P3E0506-MSD1)		**Source: 3E04009-12**		Prepared: 05/05/23 Analyzed: 05/08/23						
Chloride	97.2		mg/kg	50.0	40.7	113	80-120	0.474	20	

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3E0506 - * DEFAULT PREP *** **										
Matrix Spike Dup (P3E0506-MSD2)	**Source: 3E04009-17**			Prepared: 05/05/23 Analyzed: 05/08/23						
Chloride	93.6		mg/kg	100	8.12	85.4	80-120	0.0363	20	
Batch P3E0507 - * DEFAULT PREP *** **										
Blank (P3E0507-BLK1)				Prepared: 05/05/23 Analyzed: 05/08/23						
Chloride	ND	1.00	mg/kg							
LCS Dup (P3E0507-BSD1)				Prepared: 05/05/23 Analyzed: 05/08/23						
Chloride	18.8		mg/kg	20.0		93.9	90-110	200	10	
Calibration Check (P3E0507-CCV1)				Prepared: 05/05/23 Analyzed: 05/08/23						
Chloride	19.0		mg/kg	20.0		94.8	90-110			
Calibration Check (P3E0507-CCV2)				Prepared: 05/05/23 Analyzed: 05/09/23						
Chloride	19.9		mg/kg	20.0		99.6	90-110			
Matrix Spike (P3E0507-MS1)	**Source: 3E04011-02**			Prepared: 05/05/23 Analyzed: 05/09/23						
Chloride	110		mg/kg	100	13.5	96.9	80-120			
Matrix Spike (P3E0507-MS2)	**Source: 3E04011-09**			Prepared: 05/05/23 Analyzed: 05/09/23						
Chloride	126		mg/kg	100	23.5	102	80-120			
Matrix Spike Dup (P3E0507-MSD1)	**Source: 3E04011-02**			Prepared: 05/05/23 Analyzed: 05/09/23						
Chloride	114		mg/kg	100	13.5	100	80-120	2.92	20	
Matrix Spike Dup (P3E0507-MSD2)	**Source: 3E04011-09**			Prepared: 05/05/23 Analyzed: 05/09/23						
Chloride	127		mg/kg	100	23.5	104	80-120	1.25	20	

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

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

Notes and Definitions

ROI	Received on Ice
R3	The RPD exceeded the acceptance limit due to sample matrix effects.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
NPBEL C(	Chain of Custody was not generated at PBELAB
BULK	Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 5/15/2023

Brent Barron, Laboratory Director/Technical Director

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

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

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

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

Received by OCD: 8/23/2023 11:38:07 AM

PBELAB Permian Basin Environmental Lab, LP

1400 Rankin Hwy Midland Texas 79701 Phone: 432-686-7235

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Project Name: Dagger Lake
Project #: 16450 Project Loc: New Mexico
Area: PO#: 16450

☒ Bill Etech

Report Format: STANDARD: ☐ TRRP: ☐ NPDES: ☐

(lab use only)
ORDER #: 3E04010

Analyze For: TCLP: ☐ ☐ ☐ ☐ TOTAL: ☐ ☐ ☐ ☐

LAB # (lab use only)	FIELD CODE	Start Depth	End Depth	Date Sampled	Time Sampled	No. of Containers	Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix (DW=Drinking Water SL=Sludge, GW = Groundwater S=Soil/Solid, NP=Non-Potable Specify Other)	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/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	STANDARD TAT
1	Bottom Hole 1		5'	5-1-23	1:30pm	1	☒	☐	☐	☐	☐	☐	☐	☐	S	☒	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☐	☒
2	Bottom Hole 2		5'	5-1-23	1:35pm	1	☒	☐	☐	☐	☐	☐	☐	☐	S	☒	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☐	☒
3	South Wall 1		3'	5-1-23	1:40pm	1	☒	☐	☐	☐	☐	☐	☐	☐	S	☒	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☐	☒
4	South Wall 2		3'	5-1-23	1:45pm	1	☒	☐	☐	☐	☐	☐	☐	☐	S	☒	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☐	☒
5	West Wall		3'	5-1-23	2:05pm	1	☒	☐	☐	☐	☐	☐	☐	☐	S	☒	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☐	☒
6	North Wall 1		3'	5-1-23	1:50pm	1	☒	☐	☐	☐	☐	☐	☐	☐	S	☒	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☐	☒
7	North Wall 2		3'	5-1-23	1:55pm	1	☒	☐	☐	☐	☐	☐	☐	☐	S	☒	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☐	☒
8	East Wall		3'	5-1-23	2:00pm	1	☒	☐	☐	☐	☐	☐	☐	☐	S	☒	☐	☐	☐	☐	☐	☐	☒	☐	☐	☒	☐	☐	☐	☒

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	5/4/23	9:45			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by: [signature]	5/4/23	9:45

Laboratory Comments:
Sample Containers Intact? (Y) N
VOCs Free of Headspace? Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered Y N
Sar by Sampler/Client Rep. ? Y N
Sar by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt: 5.8 N4 4.3 °C

Released to Imaging: 12/6/2023 3:06:10 PM

APPENDIX F

Approved Remediation Work Plan

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: 10-23-22

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 10/24/2022

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

Signature: Jennifer Nobui Date: 11/18/2022

October 18, 2022

Robert Hamlet
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505
PH #: 575-748-1283
Robert.Hamlet@state.nm.us

Re: Soil Remediation Workplan
Chevron USA
Dagger Lake Narwhal Pad Release (nAPP2205633098)
GPS: N 32.40054° W 103.56251°
Unit Letter "N", Section 10, Township 22 South, Range 33 East
Lea County, New Mexico

Dear Mr. Hamlet,

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Chevron USA (Chevron), has prepared this *Soil Remediation Workplan* for the Dagger Lake Narwhal Pad Release (Release Site). The legal description of the Release Site is Unit Letter "N", Section 10, Township 22 South, Range 33 East, in Lea County, New Mexico. The GPS coordinates for the site are N 32.40054° W 103.56251°. A Site Location Topographic Map and Aerial Proximity Map are provided as Figure 1 and Figure 2, respectively.

INTRODUCTION

On February 9, 2022, a reportable release occurred at the Release Site. The release was the result of a failure on the body of the layflat hose. Approximately five (5) barrels (bbls) of produced water was released with approximately one (1) bbl of produced water recovered via vacuum truck, for a net loss of four (4) bbls of produced water. The initial Form C-141 is provided in Appendix A.

NMOCD SITE CLASSIFICATION

New Mexico Oil Conservation Division (NMOCD) assessment and cleanup levels for hydrocarbon and produced water releases are based on depth to groundwater and karst status and follow the criteria in the revised August 2018 Title 19 Chapter 15 part 29 New Mexico Administrative Code (19.15.29 NMAC) regulations. Groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE), New Mexico Bureau of Geology & Mineral Resources (NMBGMR), and United States Geological Survey (USGS) were accessed to determine if any registered water wells were located within a half-mile of the site. The databases identified zero (0) water wells within a ½-mile radius. The closest water well (USGS Well# 322325103313301) is 2.16 miles southeast of the release site with a depth to water of three hundred ninety-one (391) feet below ground surface (bgs). In addition, the site is listed as being in a low Karst Topography region. See Appendix B for maps, along with water well data, detailing the site relative to groundwater locations. Based on the NMOCD site classification system and with no pertinent groundwater data located within ½ miles of the site, the following soil remediation clean up levels were assigned to the Release Site:

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

INITIAL ASSESSMENT AND DELINEATION ACTIVITIES

On August 10, 2022, Etech was onsite to perform the initial assessment of the release. On September 6, 2022, one (1) auger hole (Auger Hole 1) was installed in the spill area to depth of forty-eight (48) inches bgs. Samples were collected in every twelve (12) inch intervals and submitted to Permian Basin Environmental Laboratory (PBELAB) in Midland, Texas for analysis of Benzene, Toulene, Ethylbenzene, and Xylenes (BTEX) by EPA method 8021B, Total Petroleum Hydrocarbons (TPH) by EPA method 8015M, and Chlorides by EPA method E300.0. Analytical concentrations for chloride were above the NMOCD remediation standards in Auger Hole 1 in the two (2) foot, three (3) foot, and four (4) foot intervals and were not vertically delineated. All other analysis were below both the NMOCD Closure Criteria or Reclamation Standards. See Table 1 for analytical results. See Appendix C for attached photos detailing release and impact to pad. See Figure 3 for Site and Sample Location map.

SOIL DELINEATION AND REMEDIATION WORKPLAN

Etech proposes to complete delineation and remediation in accordance with NMOCD rules and regulations which will entail the following:

- Impacted soils will be excavated to appropriate depths based on field and laboratory delineation data and stockpiled on plastic awaiting disposal.
- During excavation activities, soils will be field screened utilizing chloride test kits and a PID meter for determination of laboratory sampling and additional excavation, if warranted.
- Upon completion of the excavation, confirmation soil samples will be collected every two hundred (200) square feet from the base and sidewalls of the excavated areas. Additional, discrete grab samples will be collected from wet or visibly stained areas inferred to have been affected by the release, as necessary. Samples will be submitted to Permian Basin Environmental Labs of Texas (PBELAB) for analysis of BTEX by EPA Method 8021B, TPH by EPA Method 8015M, and Chlorides by EPA method E300.0.
- The impacted soils will be transported off-site for disposal at an NMOCD approved disposal facility.
- Upon completion of additional delineation/remediation and requisite soil sampling, the site will be backfilled with locally sourced, non-impacted "like" material from an approved off-site facility and brought back to grade.
- A closure report with final C-141 will be submitted to the NMOCD upon completion of remediation activities.

Once the soil remediation work plan has been approved by the NMOCD, Chevron will commence and complete remediation activities within ninety (90) days and submit a *"Remediation Summary and Site Closure Request Report"* to the NMOCD.

If you have any questions, or if additional information is required, please feel free to call me at 432-563-2200 (office) or 432-894-6038 (cell).

Thank you,

Blake Estep
Project Manager
Etech Environmental & Safety Solutions, Inc.

Jeffrey Kindley, P.G.
Senior Project Manager/Geologist
Etech Environmental & Safety Solutions, Inc.

Attachments:

Figure 1 – Site Location Topographic Map
Figure 2 – Aerial Proximity Map
Figure 3 – Site and Sample Location Map
Table 1 – Concentrations of Benzene, BTEX, TPH, and Chloride in Soil - Delineation
Appendix A: Initial Release Notification and Corrective Action Form C-141
Appendix B: Groundwater Data Maps and Supporting Water Well Data
Appendix C: Photographic Documentation
Appendix D: Laboratory Analytical

cc: File

Legend:

- Site Location

Figure 1
Site Location Topographic Map
Chevron USA
Dagger Lake Narwhal Pad
GPS: 32.40054, -103.56251
Lea County

eTECH Environmental & Safety Solutions, Inc.

Date: 10/18/22

Legend:

- Site Location
- Fresh Water Well
- 100-Year Floodplain
- High/Critical Karst
- Non-Industrial Building
- Subsurface Mine

Figure 2
Aerial Proximity Map
Chevron USA
Dagger Lake Narwhal Pad
GPS: 32.40054, -103.56251
Lea County

eTECH Environmental & Safety Solutions, Inc.

Date: 10/18/22

Received by OCD: 8/23/2023 11:38:07 AM

Environmental & Safety Solutions, Inc.

Figure 3
Site and Sample Location Map

Project Name:	Dagger Lake Narwhal Pad	Project No.:	16450
Date Sampled:	September 6, 2022	GPS:	32.40054, -103.56251

Released to Imaging: 12/6/2023 3:06:10 PM

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL - DELINEATION

CHEVRON USA

DAGGER LAKE NARWHAL PAD

LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/Kg

SAMPLE LOCATION	DEPTH	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_{10}	TPH DRO C_{10}-C_{28}	TPH ORO C_{28}-C_{36}	TOTAL TPH C_6-C_{36}	CHLORIDE
NMOCD RRAL			10 mg/Kg						50 mg/Kg				100 mg/Kg	600 mg/Kg
Bottom Hole Sample Results														
Auger Hole 1	12"	9/6/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19.2
Auger Hole 1	24"	9/6/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**4,520**
Auger Hole 1	36"	9/6/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2,620**
Auger Hole 1	48"	9/6/2022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1,530**

Bold and Yellow Highlighted indicates Analyte Above NMOCD Regulatory Limit

ND - Analyte Not Detected at or above the laboratory reporting limit

Appendix A

Initial Release Notification and Corrective Action Form C-141

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: _____ Date: 10-23-22_____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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	nAPP2205633098
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Latitude 32.400539 Longitude -103.562422
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: DL 22 33 Sec 15/22 Pad 219, Pkg 3 Dagger Lake Narwhal Pad	Site Type: Produced Water
Date Release Discovered: 2-9-22	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
N	10	22S	33E	Lea

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 5	Volume Recovered (bbls) 1
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: a failure on the body of the layflat hose

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2205633098
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

☒ The source of the 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: Amy Barnhill Title: Water Specialist

Signature: Amy Barnhill Date: 2-7-22

email: ABarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: Date:

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2205633098
District RP	
Facility ID	
Application ID	

Spill Calculations:

4.76	free-fluid
0.24	in soil
5.00	total

Appendix B

Groundwater Data Maps and Supporting Water Well Data

New Mexico Office of the State Engineer

Wells with Well Log Information

No wells found.

UTMNAD83 Radius Search (in meters):

Easting (X): 635199.74 **Northing (Y):** 3585742.45 **Radius:** 804

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

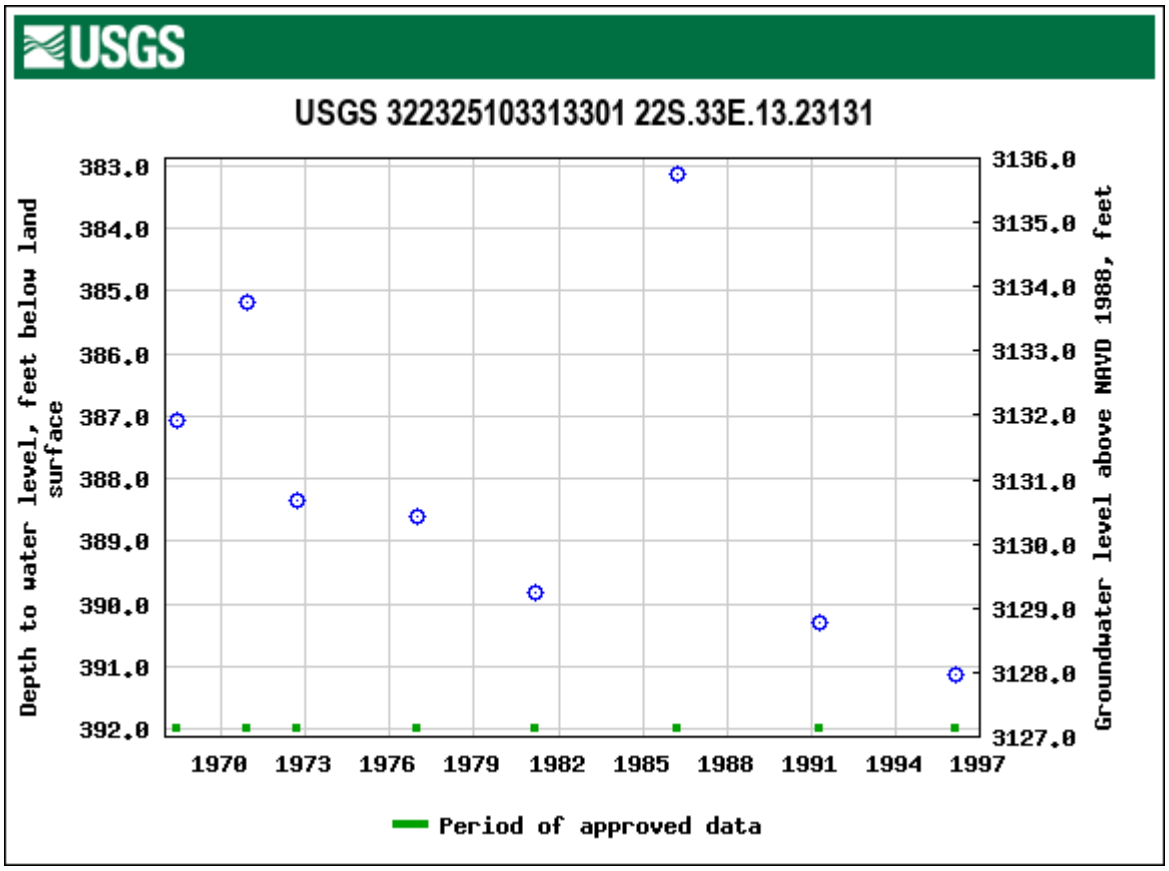
Legend:

- Site Location
- USGS Water Well

Figure 4
USGS Well Proximity Map
Chevron USA
Dagger Lake Narwhal Pad
GPS: 32.40054, -103.56251
Lea County

eTECH Environmental & Safety Solutions, Inc.

Date: 10/18/22


USGS
USGS 322325103313301 22S.33E.13.23131
Depth to water level, feet below land surface
Groundwater level above NAVD 1988, feet
383.0
384.0
385.0
386.0
387.0
388.0
389.0
390.0
391.0
392.0
3136.0
3135.0
3134.0
3133.0
3132.0
3131.0
3130.0
3129.0
3128.0
3127.0
1970
1973
1976
1979
1982
1985
1988
1991
1994
1997
Period of approved data

Appendix C

Photographic Documentation

Project Name: *Dagger Lake*
Project No: *16450*

Photographic Documentation

Photo No: **1.**	
Direction Taken: East	
Description: View of the impacted area.	

Photo No: **2.**	
Direction Taken: West	
Description: View of the impacted area.	

Appendix D

Laboratory Analytical

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

PBELAB

Analytical Report

Prepared for:

Blake Estep

E Tech Environmental & Safety Solutions, Inc. [1]

13000 West County Road 100

Odessa, TX 79765

Project: Dagger Lake

Project Number: 16450

Location: New Mexico

Lab Order Number: 2I06020

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 09/15/22

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Auger Hole 1 (1')	2I06020-01	Soil	09/06/22 11:15	09-06-2022 16:24
Auger Hole 1 (2')	2I06020-02	Soil	09/06/22 11:20	09-06-2022 16:24
Auger Hole 1 (3')	2I06020-03	Soil	09/06/22 11:25	09-06-2022 16:24
Auger Hole 1 (4')	2I06020-04	Soil	09/06/22 11:30	09-06-2022 16:24

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

Auger Hole 1 (1')

2I06020-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00115	mg/kg dry	1	P2I1201	09/12/22 08:37	09/12/22 11:53	EPA 8021B	
Toluene	ND	0.00115	mg/kg dry	1	P2I1201	09/12/22 08:37	09/12/22 11:53	EPA 8021B	
Ethylbenzene	ND	0.00115	mg/kg dry	1	P2I1201	09/12/22 08:37	09/12/22 11:53	EPA 8021B	
Xylene (p/m)	ND	0.00230	mg/kg dry	1	P2I1201	09/12/22 08:37	09/12/22 11:53	EPA 8021B	
Xylene (o)	ND	0.00115	mg/kg dry	1	P2I1201	09/12/22 08:37	09/12/22 11:53	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		*P2I1201*	*09/12/22 08:37*	*09/12/22 11:53*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.2 %*	*80-120*		*P2I1201*	*09/12/22 08:37*	*09/12/22 11:53*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**19.2**	1.15	mg/kg dry	1	P2I0804	09/08/22 10:00	09/09/22 09:29	EPA 300.0	
% Moisture	**13.0**	0.1	%	1	P2I0902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	28.7	mg/kg dry	1	P2I0718	09/07/22 14:30	09/09/22 22:33	TPH 8015M	
>C12-C28	ND	28.7	mg/kg dry	1	P2I0718	09/07/22 14:30	09/09/22 22:33	TPH 8015M	
>C28-C35	ND	28.7	mg/kg dry	1	P2I0718	09/07/22 14:30	09/09/22 22:33	TPH 8015M	
Surrogate: 1-Chlorooctane		*120 %*	*70-130*		*P2I0718*	*09/07/22 14:30*	*09/09/22 22:33*	*TPH 8015M*	
Surrogate: o-Terphenyl		*133 %*	*70-130*		*P2I0718*	*09/07/22 14:30*	*09/09/22 22:33*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	ND	28.7	mg/kg dry	1	[CALC]	09/07/22 14:30	09/09/22 22:33	calc	

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

Auger Hole 1 (2')

2I06020-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00111	mg/kg dry	1	P2I0803	09/08/22 10:05	09/09/22 16:17	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P2I0803	09/08/22 10:05	09/09/22 16:17	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P2I0803	09/08/22 10:05	09/09/22 16:17	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P2I0803	09/08/22 10:05	09/09/22 16:17	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P2I0803	09/08/22 10:05	09/09/22 16:17	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*96.5 %*	*80-120*		*P2I0803*	*09/08/22 10:05*	*09/09/22 16:17*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P2I0803*	*09/08/22 10:05*	*09/09/22 16:17*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4520**	11.1	mg/kg dry	10	P2I0811	09/08/22 11:54	09/09/22 02:23	EPA 300.0	
% Moisture	**10.0**	0.1	%	1	P2I0902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.8	mg/kg dry	1	P2I0718	09/07/22 14:30	09/09/22 22:56	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P2I0718	09/07/22 14:30	09/09/22 22:56	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P2I0718	09/07/22 14:30	09/09/22 22:56	TPH 8015M	
Surrogate: 1-Chlorooctane		*124 %*	*70-130*		*P2I0718*	*09/07/22 14:30*	*09/09/22 22:56*	*TPH 8015M*	
Surrogate: o-Terphenyl		*136 %*	*70-130*		*P2I0718*	*09/07/22 14:30*	*09/09/22 22:56*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	09/07/22 14:30	09/09/22 22:56	calc	

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

Auger Hole 1 (3')

2I06020-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00109	mg/kg dry	1	P2I1201	09/12/22 08:37	09/12/22 12:14	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P2I1201	09/12/22 08:37	09/12/22 12:14	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P2I1201	09/12/22 08:37	09/12/22 12:14	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P2I1201	09/12/22 08:37	09/12/22 12:14	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P2I1201	09/12/22 08:37	09/12/22 12:14	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		*P2I1201*	*09/12/22 08:37*	*09/12/22 12:14*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.2 %*	*80-120*		*P2I1201*	*09/12/22 08:37*	*09/12/22 12:14*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**2620**	10.9	mg/kg dry	10	P2I0811	09/08/22 11:54	09/09/22 02:36	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P2I0902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.2	mg/kg dry	1	P2I0718	09/07/22 14:30	09/09/22 23:19	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P2I0718	09/07/22 14:30	09/09/22 23:19	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P2I0718	09/07/22 14:30	09/09/22 23:19	TPH 8015M	
Surrogate: 1-Chlorooctane		*125 %*	*70-130*		*P2I0718*	*09/07/22 14:30*	*09/09/22 23:19*	*TPH 8015M*	
Surrogate: o-Terphenyl		*136 %*	*70-130*		*P2I0718*	*09/07/22 14:30*	*09/09/22 23:19*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	09/07/22 14:30	09/09/22 23:19	calc	

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13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

Auger Hole 1 (4')

2I06020-04 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P2I1201	09/12/22 08:37	09/12/22 12:35	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P2I1201	09/12/22 08:37	09/12/22 12:35	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P2I1201	09/12/22 08:37	09/12/22 12:35	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P2I1201	09/12/22 08:37	09/12/22 12:35	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P2I1201	09/12/22 08:37	09/12/22 12:35	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*95.4 %*	*80-120*		*P2I1201*	*09/12/22 08:37*	*09/12/22 12:35*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P2I1201*	*09/12/22 08:37*	*09/12/22 12:35*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1530**	5.38	mg/kg dry	5	P2I0906	09/09/22 11:55	09/09/22 23:41	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P2I0902	09/09/22 09:32	09/09/22 09:34	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P2I0718	09/07/22 14:30	09/10/22 00:28	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P2I0718	09/07/22 14:30	09/10/22 00:28	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P2I0718	09/07/22 14:30	09/10/22 00:28	TPH 8015M	
Surrogate: 1-Chlorooctane		*127 %*	*70-130*		*P2I0718*	*09/07/22 14:30*	*09/10/22 00:28*	*TPH 8015M*	
Surrogate: o-Terphenyl		*138 %*	*70-130*		*P2I0718*	*09/07/22 14:30*	*09/10/22 00:28*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	09/07/22 14:30	09/10/22 00:28	calc	

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I0803 - * DEFAULT PREP *** **										
Blank (P2I0803-BLK1)				Prepared: 09/08/22 Analyzed: 09/09/22						
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.113*		"	*0.120*		*94.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.111*		"	*0.120*		*92.8*	*80-120*			
LCS (P2I0803-BS1)				Prepared: 09/08/22 Analyzed: 09/09/22						
Benzene	0.117	0.00100	mg/kg	0.100		117	80-120			
Toluene	0.116	0.00100	"	0.100		116	80-120			
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120			
Xylene (p/m)	0.211	0.00200	"	0.200		105	80-120			
Xylene (o)	0.117	0.00100	"	0.100		117	80-120			
Surrogate: 1,4-Difluorobenzene	*0.116*		"	*0.120*		*97.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.114*		"	*0.120*		*95.0*	*80-120*			
LCS Dup (P2I0803-BSD1)				Prepared: 09/08/22 Analyzed: 09/09/22						
Benzene	0.115	0.00100	mg/kg	0.100		115	80-120	1.92	20	
Toluene	0.110	0.00100	"	0.100		110	80-120	5.68	20	
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120	0.490	20	
Xylene (p/m)	0.217	0.00200	"	0.200		108	80-120	2.88	20	
Xylene (o)	0.113	0.00100	"	0.100		113	80-120	3.05	20	
Surrogate: 1,4-Difluorobenzene	*0.120*		"	*0.120*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.113*		"	*0.120*		*94.0*	*80-120*			
Calibration Check (P2I0803-CCV1)				Prepared: 09/08/22 Analyzed: 09/09/22						
Benzene	0.108	0.00100	mg/kg	0.102		106	80-120			
Toluene	0.110	0.00100	"	0.102		108	80-120			
Ethylbenzene	0.114	0.00100	"	0.102		112	80-120			
Xylene (p/m)	0.206	0.00200	"	0.204		101	80-120			
Xylene (o)	0.117	0.00100	"	0.102		115	80-120			
Surrogate: 1,4-Difluorobenzene	*0.125*		"	*0.120*		*104*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.118*		"	*0.120*		*98.6*	*75-125*			

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13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I0803 - * DEFAULT PREP *** **										
Calibration Check (P2I0803-CCV2)				Prepared: 09/08/22 Analyzed: 09/09/22						
Benzene	0.113	0.00100	mg/kg	0.102		111	80-120			
Toluene	0.116	0.00100	"	0.102		114	80-120			
Ethylbenzene	0.112	0.00100	"	0.102		110	80-120			
Xylene (p/m)	0.232	0.00200	"	0.204		114	80-120			
Xylene (o)	0.120	0.00100	"	0.102		118	80-120			
Surrogate: 4-Bromofluorobenzene	*0.126*		"	*0.120*		*105*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.119*		"	*0.120*		*98.9*	*75-125*			
Matrix Spike (P2I0803-MS1)		**Source: 2I06020-02**		Prepared: 09/08/22 Analyzed: 09/09/22						
Benzene	0.0967	0.00111	mg/kg dry	0.111	ND	87.0	80-120			
Toluene	0.0996	0.00111	"	0.111	ND	89.6	80-120			
Ethylbenzene	0.105	0.00111	"	0.111	ND	94.9	80-120			
Xylene (p/m)	0.185	0.00222	"	0.222	ND	83.1	80-120			
Xylene (o)	0.101	0.00111	"	0.111	ND	91.0	80-120			
Surrogate: 4-Bromofluorobenzene	*0.140*		"	*0.133*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.133*		"	*0.133*		*99.8*	*80-120*			
Matrix Spike Dup (P2I0803-MSD1)		**Source: 2I06020-02**		Prepared: 09/08/22 Analyzed: 09/09/22						
Benzene	0.0970	0.00111	mg/kg dry	0.111	ND	87.3	80-120	0.252	20	
Toluene	0.101	0.00111	"	0.111	ND	91.3	80-120	1.91	20	
Ethylbenzene	0.108	0.00111	"	0.111	ND	97.1	80-120	2.31	20	
Xylene (p/m)	0.187	0.00222	"	0.222	ND	83.9	80-120	0.964	20	
Xylene (o)	0.100	0.00111	"	0.111	ND	90.4	80-120	0.651	20	
Surrogate: 4-Bromofluorobenzene	*0.142*		"	*0.133*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.132*		"	*0.133*		*98.8*	*80-120*			
Batch P2I1201 - * DEFAULT PREP *** **										
Blank (P2I1201-BLK1)				Prepared & Analyzed: 09/12/22						
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.116*		"	*0.120*		*96.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.116*		"	*0.120*		*96.6*	*80-120*			

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13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1201 - * DEFAULT PREP *** **										
LCS (P2I1201-BS1)				Prepared & Analyzed: 09/12/22						
Benzene	0.104	0.00100	mg/kg	0.100		104	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120			
Xylene (p/m)	0.196	0.00200	"	0.200		97.9	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 1,4-Difluorobenzene	*0.124*		"	*0.120*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.126*		"	*0.120*		*105*	*80-120*			
LCS Dup (P2I1201-BSD1)				Prepared & Analyzed: 09/12/22						
Benzene	0.105	0.00100	mg/kg	0.100		105	80-120	1.01	20	
Toluene	0.106	0.00100	"	0.100		106	80-120	3.69	20	
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120	5.22	20	
Xylene (p/m)	0.206	0.00200	"	0.200		103	80-120	4.90	20	
Xylene (o)	0.110	0.00100	"	0.100		110	80-120	3.05	20	
Surrogate: 1,4-Difluorobenzene	*0.124*		"	*0.120*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.127*		"	*0.120*		*106*	*80-120*			
Calibration Blank (P2I1201-CCB1)				Prepared & Analyzed: 09/12/22						
Benzene	0.00		ug/kg							
Toluene	0.280		"							
Ethylbenzene	0.110		"							
Xylene (p/m)	0.210		"							
Xylene (o)	0.180		"							
Surrogate: 4-Bromofluorobenzene	*0.100*		"	*0.120*		*83.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		"	*0.120*		*93.8*	*80-120*			
Calibration Blank (P2I1201-CCB2)				Prepared & Analyzed: 09/12/22						
Benzene	0.00		ug/kg							
Toluene	0.230		"							
Ethylbenzene	0.180		"							
Xylene (p/m)	0.250		"							
Xylene (o)	0.180		"							
Surrogate: 1,4-Difluorobenzene	*0.110*		"	*0.120*		*91.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.116*		"	*0.120*		*96.8*	*80-120*			

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13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1201 - * DEFAULT PREP *** **										
Calibration Check (P2I1201-CCV1)				Prepared & Analyzed: 09/12/22						
Benzene	0.112	0.00100	mg/kg	0.102		110	80-120			
Toluene	0.114	0.00100	"	0.102		112	80-120			
Ethylbenzene	0.116	0.00100	"	0.102		114	80-120			
Xylene (p/m)	0.208	0.00200	"	0.204		102	80-120			
Xylene (o)	0.117	0.00100	"	0.102		115	80-120			
Surrogate: 4-Bromofluorobenzene	*0.103*		"	*0.120*		*86.1*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.120*		"	*0.120*		*100*	*75-125*			
Calibration Check (P2I1201-CCV2)				Prepared & Analyzed: 09/12/22						
Benzene	0.107	0.00100	mg/kg	0.102		105	80-120			
Toluene	0.110	0.00100	"	0.102		107	80-120			
Ethylbenzene	0.114	0.00100	"	0.102		111	80-120			
Xylene (p/m)	0.209	0.00200	"	0.204		103	80-120			
Xylene (o)	0.114	0.00100	"	0.102		111	80-120			
Surrogate: 1,4-Difluorobenzene	*0.119*		"	*0.120*		*98.8*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.123*		"	*0.120*		*103*	*75-125*			
Calibration Check (P2I1201-CCV3)				Prepared & Analyzed: 09/12/22						
Benzene	0.118	0.00100	mg/kg	0.102		115	80-120			
Toluene	0.116	0.00100	"	0.102		113	80-120			
Ethylbenzene	0.117	0.00100	"	0.102		115	80-120			
Xylene (p/m)	0.215	0.00200	"	0.204		106	80-120			
Xylene (o)	0.116	0.00100	"	0.102		114	80-120			
Surrogate: 4-Bromofluorobenzene	*0.124*		"	*0.120*		*103*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.122*		"	*0.120*		*102*	*75-125*			
Matrix Spike (P2I1201-MS1)	**Source: 2I08010-04**			Prepared & Analyzed: 09/12/22						
Benzene	0.0867	0.00108	mg/kg dry	0.108	ND	80.6	80-120			
Toluene	0.0865	0.00108	"	0.108	ND	80.4	80-120			
Ethylbenzene	0.0922	0.00108	"	0.108	ND	85.8	80-120			
Xylene (p/m)	0.165	0.00215	"	0.215	ND	76.9	80-120			QM-05
Xylene (o)	0.0893	0.00108	"	0.108	ND	83.1	80-120			
Surrogate: 1,4-Difluorobenzene	*0.131*		"	*0.129*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.145*		"	*0.129*		*112*	*80-120*			

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I1201 - * DEFAULT PREP *** **										
Matrix Spike Dup (P2I1201-MSD1)	**Source: 2I08010-04**			Prepared & Analyzed: 09/12/22						
Benzene	0.0871	0.00108	mg/kg dry	0.108	ND	81.0	80-120	0.544	20	
Toluene	0.0869	0.00108	"	0.108	ND	80.8	80-120	0.434	20	
Ethylbenzene	0.0933	0.00108	"	0.108	ND	86.8	80-120	1.18	20	
Xylene (p/m)	0.167	0.00215	"	0.215	ND	77.5	80-120	0.706	20	QM-05
Xylene (o)	0.0903	0.00108	"	0.108	ND	84.0	80-120	1.14	20	
Surrogate: 1,4-Difluorobenzene	*0.134*		*"*	*0.129*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.150*		*"*	*0.129*		*116*	*80-120*			

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I0804 - * DEFAULT PREP *** **										
Blank (P2I0804-BLK1)				Prepared: 09/08/22 Analyzed: 09/09/22						
Chloride	ND	1.00	mg/kg							
LCS (P2I0804-BS1)				Prepared: 09/08/22 Analyzed: 09/09/22						
Chloride	38.5		mg/kg	40.0		96.3	90-110			
LCS Dup (P2I0804-BSD1)				Prepared: 09/08/22 Analyzed: 09/09/22						
Chloride	38.7		mg/kg	40.0		96.7	90-110	0.373	10	
Calibration Blank (P2I0804-CCB1)				Prepared: 09/08/22 Analyzed: 09/09/22						
Chloride	0.00		mg/kg							
Calibration Blank (P2I0804-CCB2)				Prepared: 09/08/22 Analyzed: 09/09/22						
Chloride	0.00		mg/kg							
Calibration Check (P2I0804-CCV1)				Prepared: 09/08/22 Analyzed: 09/09/22						
Chloride	19.9		mg/kg	20.0		99.7	90-110			
Calibration Check (P2I0804-CCV2)				Prepared: 09/08/22 Analyzed: 09/09/22						
Chloride	20.3		mg/kg	20.0		101	90-110			
Calibration Check (P2I0804-CCV3)				Prepared: 09/08/22 Analyzed: 09/09/22						
Chloride	19.5		mg/kg	20.0		97.5	90-110			
Matrix Spike (P2I0804-MS1)		**Source: 2I06008-01**		Prepared: 09/08/22 Analyzed: 09/09/22						
Chloride	1990	28.1	mg/kg dry	1400	717	90.7	80-120			
Matrix Spike (P2I0804-MS2)		**Source: 2I06018-04**		Prepared: 09/08/22 Analyzed: 09/09/22						
Chloride	780	10.9	mg/kg dry	543	336	81.8	80-120			

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I0804 - * DEFAULT PREP *** **										
Matrix Spike Dup (P2I0804-MSD1)	**Source: 2I06008-01**			Prepared: 09/08/22 Analyzed: 09/09/22						
Chloride	1930	28.1	mg/kg dry	1400	717	86.4	80-120	3.05	20	
Matrix Spike Dup (P2I0804-MSD2)	**Source: 2I06018-04**			Prepared: 09/08/22 Analyzed: 09/09/22						
Chloride	793	10.9	mg/kg dry	543	336	84.1	80-120	1.59	20	
Batch P2I0811 - * DEFAULT PREP *** **										
Blank (P2I0811-BLK1)				Prepared & Analyzed: 09/08/22						
Chloride	ND	1.00	mg/kg							
LCS (P2I0811-BS1)				Prepared & Analyzed: 09/08/22						
Chloride	38.5		mg/kg	40.0		96.3	90-110			
LCS Dup (P2I0811-BSD1)				Prepared & Analyzed: 09/08/22						
Chloride	38.1		mg/kg	40.0		95.3	90-110	1.00	10	
Calibration Blank (P2I0811-CCB1)				Prepared & Analyzed: 09/08/22						
Chloride	0.00		mg/kg							
Calibration Blank (P2I0811-CCB2)				Prepared & Analyzed: 09/08/22						
Chloride	0.00		mg/kg							
Calibration Check (P2I0811-CCV1)				Prepared & Analyzed: 09/08/22						
Chloride	19.6		mg/kg	20.0		97.9	90-110			
Calibration Check (P2I0811-CCV2)				Prepared & Analyzed: 09/08/22						
Chloride	19.9		mg/kg	20.0		99.3	90-110			

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I0811 - * DEFAULT PREP *** **										
Calibration Check (P2I0811-CCV3)				Prepared: 09/08/22 Analyzed: 09/09/22						
Chloride	19.9		mg/kg	20.0		99.7	90-110			
Matrix Spike (P2I0811-MS1)		Source: 2I08001-21		Prepared & Analyzed: 09/08/22						
Chloride	12400	26.3	mg/kg dry	1320	11300	88.3	80-120			
Matrix Spike (P2I0811-MS2)		Source: 2I08001-31		Prepared: 09/08/22 Analyzed: 09/09/22						
Chloride	12100	26.9	mg/kg dry	1340	11000	85.3	80-120			
Matrix Spike Dup (P2I0811-MSD1)		Source: 2I08001-21		Prepared & Analyzed: 09/08/22						
Chloride	12600	26.3	mg/kg dry	1320	11300	101	80-120	1.34	20	
Matrix Spike Dup (P2I0811-MSD2)		Source: 2I08001-31		Prepared: 09/08/22 Analyzed: 09/09/22						
Chloride	12100	26.9	mg/kg dry	1340	11000	82.9	80-120	0.265	20	
Batch P2I0902 - * DEFAULT PREP *** **										
Blank (P2I0902-BLK1)				Prepared & Analyzed: 09/09/22						
% Moisture	ND	0.1	%							
Blank (P2I0902-BLK2)				Prepared & Analyzed: 09/09/22						
% Moisture	ND	0.1	%							
Duplicate (P2I0902-DUP1)		Source: 2I07002-03		Prepared & Analyzed: 09/09/22						
% Moisture	13.0	0.1	%		5.0			88.9	20	R3
Duplicate (P2I0902-DUP2)		Source: 2I08001-06		Prepared & Analyzed: 09/09/22						
% Moisture	9.0	0.1	%		9.0			0.00	20	

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I0902 - * DEFAULT PREP *** **										
Duplicate (P2I0902-DUP3)	**Source: 2I08001-21**			Prepared & Analyzed: 09/09/22						
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P2I0902-DUP4)	**Source: 2I08001-31**			Prepared & Analyzed: 09/09/22						
% Moisture	7.0	0.1	%		7.0			0.00	20	
Batch P2I0906 - * DEFAULT PREP *** **										
Blank (P2I0906-BLK1)				Prepared & Analyzed: 09/09/22						
Chloride	ND	1.00	mg/kg							
LCS (P2I0906-BS1)				Prepared & Analyzed: 09/09/22						
Chloride	37.1		mg/kg	40.0		92.7	90-110			
LCS Dup (P2I0906-BSD1)				Prepared & Analyzed: 09/09/22						
Chloride	37.0		mg/kg	40.0		92.5	90-110	0.240	10	
Calibration Blank (P2I0906-CCB1)				Prepared & Analyzed: 09/09/22						
Chloride	0.00		mg/kg							
Calibration Blank (P2I0906-CCB2)				Prepared & Analyzed: 09/09/22						
Chloride	0.00		mg/kg							
Calibration Check (P2I0906-CCV1)				Prepared & Analyzed: 09/09/22						
Chloride	19.3		mg/kg	20.0		96.5	90-110			
Calibration Check (P2I0906-CCV2)				Prepared & Analyzed: 09/09/22						
Chloride	19.4		mg/kg	20.0		97.0	90-110			

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2I0906 - * DEFAULT PREP *** **										
Calibration Check (P2I0906-CCV3)				Prepared: 09/09/22 Analyzed: 09/10/22						
Chloride	19.6		mg/kg	20.0		98.2	90-110			
Matrix Spike (P2I0906-MS1)		**Source: 2I08013-17**		Prepared & Analyzed: 09/09/22						
Chloride	11500	28.1	mg/kg dry	1400	10100	97.9	80-120			
Matrix Spike (P2I0906-MS2)		**Source: 2I08013-27**		Prepared & Analyzed: 09/09/22						
Chloride	9160	28.4	mg/kg dry	1420	7950	85.4	80-120			
Matrix Spike Dup (P2I0906-MSD1)		**Source: 2I08013-17**		Prepared & Analyzed: 09/09/22						
Chloride	11500	28.1	mg/kg dry	1400	10100	98.0	80-120	0.00981	20	
Matrix Spike Dup (P2I0906-MSD2)		**Source: 2I08013-27**		Prepared & Analyzed: 09/09/22						
Chloride	9000	28.4	mg/kg dry	1420	7950	74.2	80-120	1.76	20	QM-05

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
ROI	Received on Ice
R3	The RPD exceeded the acceptance limit due to sample matrix effects.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
BULK	Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 9/15/2022

Brent Barron, Laboratory Director/Technical Director

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E Tech Environmental & Safety Solutions, Inc. [1]	Project: Dagger Lake
13000 West County Road 100	Project Number: 16450
Odessa TX, 79765	Project Manager: Blake Estep

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

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PBELAB Permian Basin Environmental Lab, LP

1400 Rankin Hwy Midland Texas 79701 Phone: 432-686-7235

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Project Name: Dagger lake
Project #: 16450 Project Loc: New Mexico
Area: Lea PO#:
☐ Bill Etech

Report Format: STANDARD: ☐ TRRP: ☐ NPDES: ☐

(lab use only)
ORDER #: 2I16020

LAB # (lab use only)	FIELD CODE	Start Depth	End Depth	Date Sampled	Time Sampled	No. of Containers	Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	TPH: 418.1 8015M 1005 1006	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/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	STANDARD TAT
01	Augerhole 1	—	1'	9/6/22	11:15	1	☑	☐	☐	☐	☐	☐	☐	☐				☒	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☑
02	Augerhole 1		2'	↓	11:20	1	☑	☐	☐	☐	☐	☐	☐	☐				☒	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☑
03	Augerhole 1		3'		11:25	1	☑	☐	☐	☐	☐	☐	☐	☐				☒	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☑
04	Augerhole 1		4'		11:30	1	☑	☐	☐	☐	☐	☐	☐	☐				☒	☐	☐	☐	☐	☐	☐	☑	☐	☐	☑	☐	☐	☐	☑

Special Instructions: Bill to Etech

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	9/6	16:24			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by: M Haddock	9/6/22	16:24

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered Y N
Sar by Sampler/Client Rep. ? Y N
Sar by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt: 24.8 +1 25.8°c

Received by OCD: 8/23/2023 11:38:07 AM

Released to Imaging: 12/6/2023 3:06:10 PM

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

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

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 152767
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved with Conditions. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination (<50'). Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Sidewall/Floor samples should represent no more than 200 ft2.	11/18/2022

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

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

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 255908
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Operator did not meet 19.15.29.12D (1a) NMAC. Forbearance given to Etech on 10/06/2023. Release resolved.	12/6/2023