Incident ID	nAPP2211527047
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?	85 (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	nAPP2211527047
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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: Lead Environmental Specialist - Water

Signature: Date: 02/21/2023

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

OCD Only

Received by: Jocelyn Harimon Date: 02/28/2023

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2211527047
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: Amy Barnhill Title: Lead Environmental Specialist - Water

Signature: Amy Barnhill Date: 02/21/2023

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

OCD Only

Received by: Jocelyn Harimon Date: 02/28/2023

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

Signature: Jennifer Nobui Date: 03/08/2023

Atkins ENGINEERING ASSOCIATES INC.
2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

February 1, 2023

#zeuspit_env_22

Mark Andersen
Permian Asset HSEQ Manager
TETRA Technologies Inc./Swiftwater Inc.
2401 N. CR 1287 Midland,TX 79701
Phone: 432.234.0179

SUBJECT: Amendment to Work Plan for the Dagger Lake Zeus Pond Release (nAPP2211527047 and nAPP2222961063), Lea County, New Mexico

Dear Mr. Anderson,

On behalf of Atkins Engineering Associates INC. (AEA) has prepared this amendment to the NMOCD denied Site Assessment and Remediation Work plan submitted October 28th, 2022. In order to gain NMOCD work approval of the remediation of the release of liquids related to oil and gas production activities at the DAGGER LAKE ZEUS POND . The site is in Unit P, Section 35, Township 21S, Range 32E, Lea County, New Mexico.

Table 1 summarizes release information and Site Criteria.

Table 1: Release Information and Closure Criteria			
Name	DAGGER LAKE ZEUS POND	Company	Chevron U.S.A., Inc
API Number		Location	32.427920, -103.637540;
Incident Number	nAPP2211527047 and nAPP2222961063		
Estimated Date of Release	4/9/22 and 8/12/22	Date Reported to NMOCD	4/9/22 and 8/12/22
Landowner	State	Reported To	NMOCD District 1
Source of Release	Chevron's Dagger Lake Zeus Pond due to a recirculation line becoming unstrapped. Approximately 10.16 barrels and 1,715.4 barrels, respectively, of produced water were released, and visible surface impact included a total of 141,958 square feet. Note, the second release encompassed the area impacted by the first release. During the August release, crews were able to quickly shut down operations and make repairs to the connection recovering 480 barrels.		
Released Volume	1715 bbls	Released Material	Produced Water
Recovered Volume	480 bbls	Net Release	1235 bbls
NMOCD Closure Criteria	>100 feet to groundwater		

1.0 Background

Release delineation activities were conducted by Envirotech from September 19 through 22, 2022, which included utilizing hand tools to advance soil borings in proximity of the release path to determine the horizontal and vertical extents of the release. Concurrently, Warrior Technologies was on-site daylighting subsurface pipelines belonging to Solaris and Enterprise

NMOCD rejected the previously submitted Site Assessment and Remediation Work plan (see Appendix C) on December 23, 2022. *NMOCD Environmental staff commented*, "Remediation Plan Denied. Soil blending is not allowed. The use of SA2000 requires a meeting with OCD to discuss proper procedures and protocols."

Because the denial was based on the remedial method and not the Site assessment performed AEA decided to amend the previously submitted work plan.

2.0 Site Information and EM Survey

Electromagnetic surveying was used to accurately define the parameters or horizontal boundaries of the shallow soil investigation and determine the validity of the previous site assessment. A Geonics Ltd. EM-38 ground conductivity meter that has been factory calibrated was used on site to collect data.

Figure 1 attached is a product of the fixed-frequency EM method used to map variations in ground conductivity to identify anomalously conductive soils and infer changes in the soil characteristics and composition. This method used portable instrumentation consisting of a transmitter coil and a receiver coil. primary magnetic field from the transmitter coil induces subsurface eddy currents, which in turn generate a secondary magnetic field that is intercepted by the receiver coil. The ratio of the primary and secondary magnetic fields is related to ground conductivity represented as ECa in mS/m.
The conductivity values are not specific values from discrete depths; they are weighted averages of conductivity between the surface and the depth of exploration of the EM field and are termed "apparent conductivities". The apparent conductivity values obtained are in units of millisiemens per meter (mS/m). The apparent conductivity (ECa) of the soil has been related to the paste extract conductivity {ECe) by the relationship ECa=5ECa (McNeill, 1986a). Table 2 (from McNeill, 1986a) illustrates this general relationship. Measurements are expressed in millisiemens/meter (mS/m).

Table 1: ECe to ECa Conversion

Soil Conductivity vs Salinity (from McNeill, 1986a)			
Salinity (NRCS)	**ECe (mS/cm) (Lab)**	**ECa (mS/m) (EM-38)**	**Figure Color**
NRCS Soil Background (site)	0-2	0-40	White to green
Slight	0-4	40-80	Yellow
Moderate	4-8	80-100	red
High	8-12	160-240	Purple

The table above shows the general correlation between laboratory soil saturated paste ECe and the apparent conductivity ECa measured by an EM unit. The Electromagnetic surveying confirmed the previously submitted release area and samples.

3.0 Proposed Remediation

Comparing the delineation performed by Envirotech with the horizontal extent provided by the EM Survey conducted by AEA. AEA proposes an excavation of caliche and native soil to remediate the impacted soils. The majority of the excavation will be less than two (2) feet except for sample areas TH-5, TH-7 and at the base of the Zeus Pit.

Figure 1 shows the extent of the proposed excavation and existing sample locations. All laboratory results are summarized in Table 3 (Envirotech report). Laboratory reports are included in Appendix D.

Figure 2 shows the large amount of intersecting underground and above ground utilities. AEA will facilitate a project 811 an will work directly with the area utility owners to remove as much contaminate mass as safety will allow.

All contaminated soil from the location will be hauled to a NMOCD approved facility (waste manifest will be available upon request).

4.0 Variance and Limitations

Atkins Engineering Associates INC. (AEA) request a sample variance request from 19.15.29.12.D.1.c. The post data collection activities outlined in EPA's Guidance for Data Quality Assessment (EPA, 2000) via (VSP) show that closure sample collection at the five hundred (500) to eight hundred (800) square foot interval will still achieve the same 98% confidence interval as the standard two hundred square foot sampling plan. For these reasons AEA requests a closure sample interval of 500-800 square feet.

The scope of our services included: assessment sampling; verifying release stabilization; regulatory liaison; remediation; and preparing this scope of work. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact Austin Weyant at 575-626-3993

Submitted by:
Atkins Engineering Associates INC

J. Austin Weyant

Austin Weyant
Geoscientist

ATTACHMENTS:

Figures:

Figure 1: ECa Raw EM Survey
Figure 2: Site ECa,sample locations and utilities

Appendices:

Appendix A: Form C141
Appendix B: NMOSE Wells Report
Appendix C: Envirotech Site Assessment

FIGURES

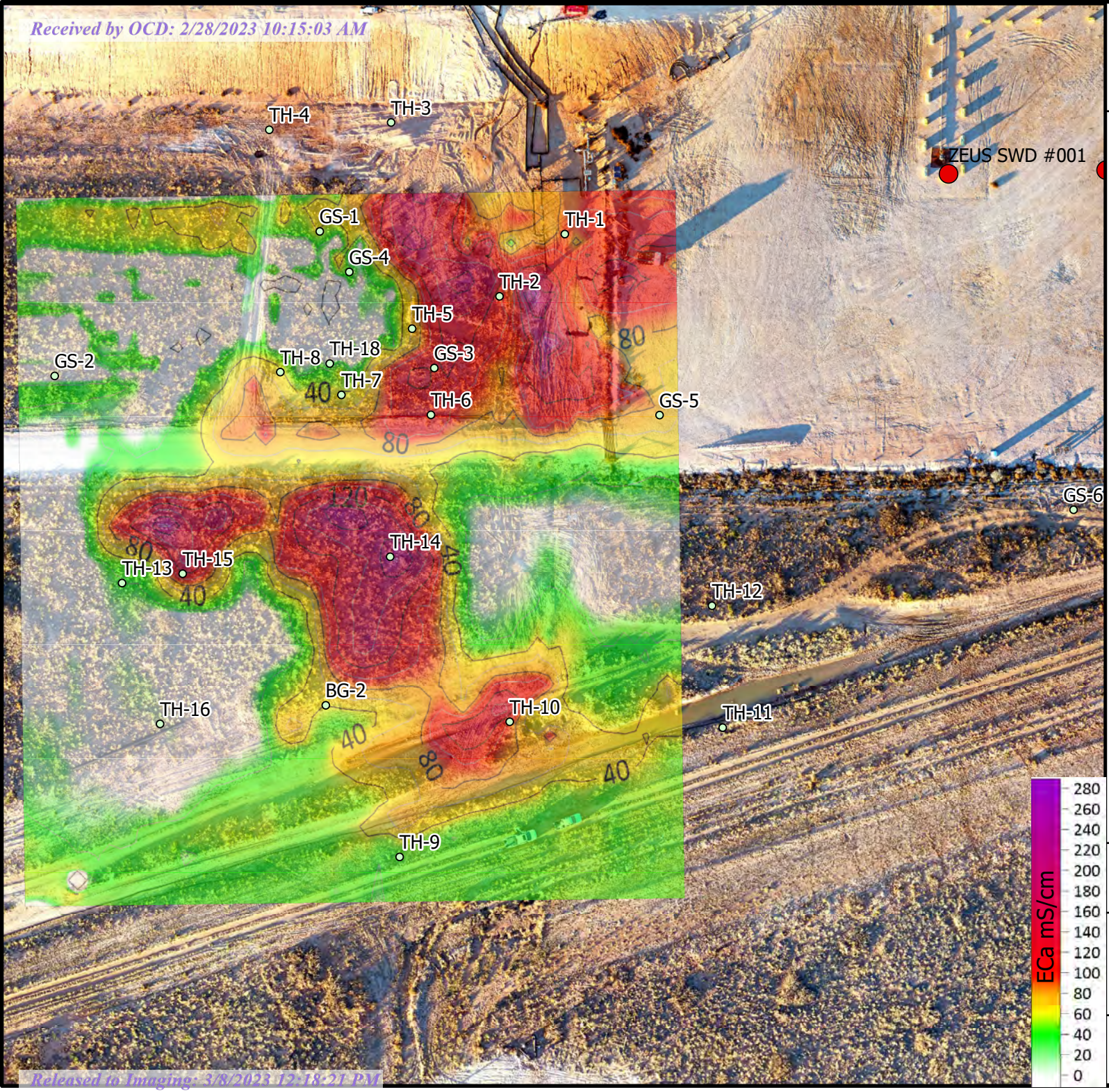

FIGURE 1 EM 38 Lea
Zeus Pit Release

LEGEND

- WellGIS
- ZeusPit_EnvirotechSample

N

0 40 80 160

Scale: 1:1,000 Feet

JOB No. zeuspit_env_22

DATE FIELD: 12/21/22 DRAWN JAW

DATE DRAWN: 1/26/2023 REVIEW LCM

Atkins ENGINEERING ASSOCIATES

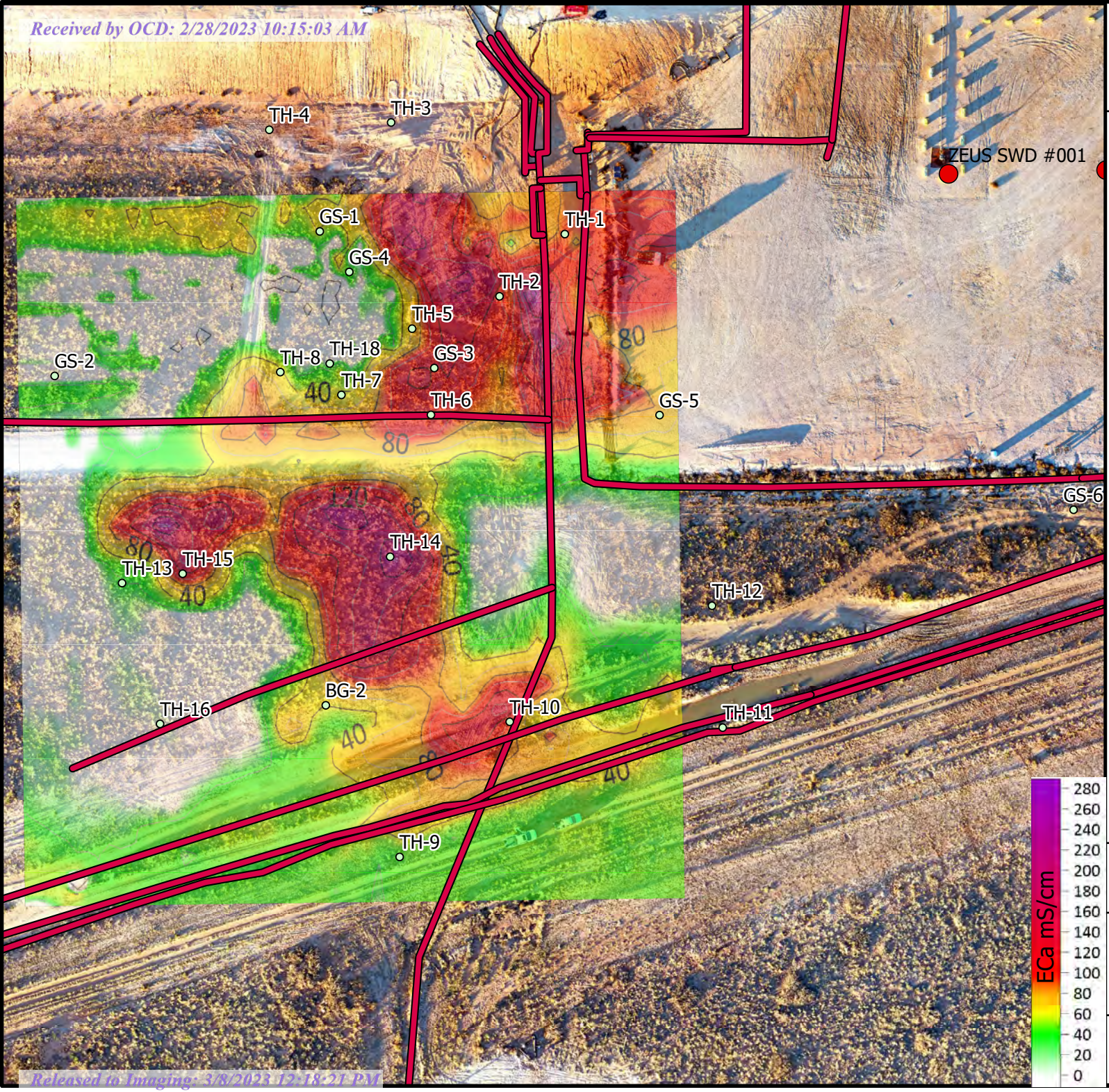

FIGURE 2 EM 38 ECa
Zeus Pit Release
Under Ground Utilities

LEGEND

- WellGIS
- Pipeline
- ZeusPit_EnvirotechSample

N

0 40 80 160

Scale: 1:1,000 Feet

JOB No. zeuspit_env_22

DATE FIELD: 12/21/22 DRAWN JAW

DATE DRAWN: 1/26/2023 REVIEW LCM

Atkins ENGINEERING ASSOCIATES

APPENDIX A
FORMS C141

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	nAPP2211527047
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 32.428442 Longitude -103.638817
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Dagger Lake Zeus Pond	Site Type: Produced Water Recycle
Date Release Discovered: 4-9-22	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
P	35	21S	32E	Lea

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☒ Other (describe)	Volume/Weight Released: 10.16 bbls Brackish Water 6,777ppm TDS	Volume/Weight Recovered: 0 bbls

Cause of Release: Layflat hose was being pigged backed to brackish water pond after frac and was open ended at the pond. It was secured to a pump but was removed from the anchor point and left free. The line then shifted and put the effluent water to the ground.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2211527047
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Facility ID	
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Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
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: 4-24-22

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

OCD Only

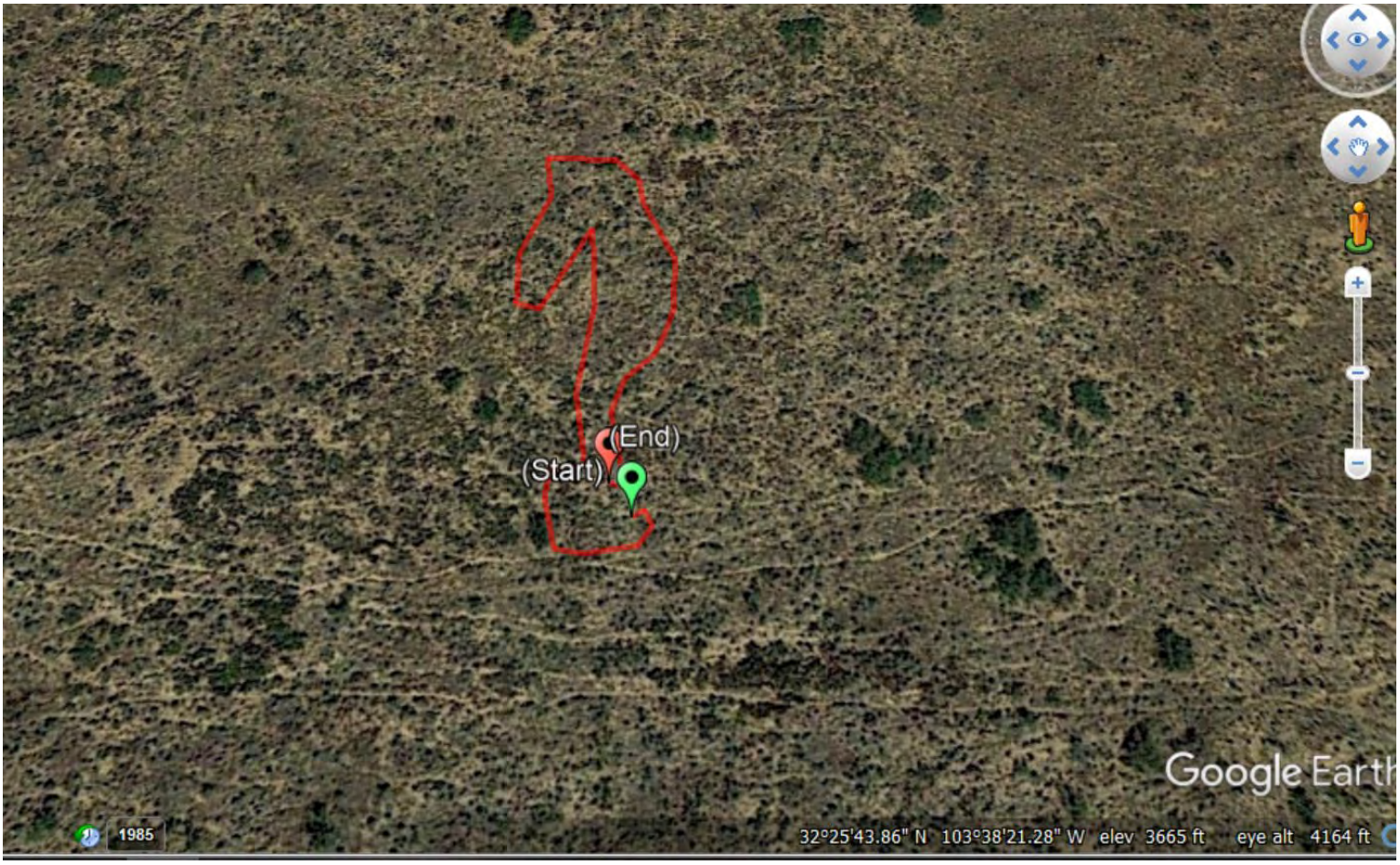
Received by: Jocelyn Harimon Date: 04/25/2022

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2211527047
District RP	
Facility ID	
Application ID	

Spill Calculations:

Area	Shape	Length in feet	Width in feet	Diameter (for circular)	Standing Depth in inches	Depth in Soil in inches	Standing Volume	In Soil Volume	Total Volume
1	Rectangle	730.00	10.00		0.000	0.625	0.00	10.16	10.16



APPENDIX B
NMOSE WELLS REPORT

RECORD OF SEISMIC SHOTHOLE

0 - 20	Sand
20 - 160	Red shale
160 - 205	Hard blue shale

Company Shell

Prospect Delaware Basin

Line S-63

S. P. No. 961

Driller Austin Parish

Date Drilled 7-29-53

L.S. Elev. 3696

Depth to K. Rc 20

Elev. of K Rc 3676

CONFIDENTIAL DATA

Data Obtained by

Template position

Location No. 21-32 35-21144.

RECORD OF SEISMIC SHOTHOLE

0 - 100 Sandy Shale ?
100 - 200 Red Bed

Company Shell

Prospect Delaware Basin

Line S-43

S. P. No. 829

Driller Anderson

Date Drilled 5-16-53

L.S. Elev. 3675

Depth to K. Rc 100 ?

Elev. of K Rc 3575 ?

CONFIDENTIAL DATA

Data Obtained by

Template position

Location No. 21.32.35. 33234

RECORD OF SEISMIC SHOTHOLE

0 - 60 Caliche
60 - 130 Red Clay

*An electric log for this hole indicates that the top of the Triassic was encountered at a depth of 71 feet (elevation 3603).

Company ~~Humble~~

Prospect Bell Lake

Line 27

S. P. No. 850

Driller

Date Drilled 8/25/58

L.S. Elev. 3674

Depth to K. Rc 60

Elev. of K Rc *3614

CONFIDENTIAL DATA

Data Obtained by USGS

Template position

Location No. 21.32.35.33443

RECORD OF SEISMIC SHOTHOLE

0 - 60 Caliche
60 - 130 Red Clay

*An electric log for this hole indicates that the top of the Triassic was encountered at a depth of 71 feet (elevation 3603).

Company: Humble	L.S. Elev: 3674
Prospect: Bell Lake	Depth to R. ft: 60
Line:	Elev. of R. ft: *3614
S. P. No.: [illegible]	CONFIDENTIAL DATA
Driller:	Data Obtained by: USGS
Date Drilled: 8/25/[illegible]	Template position:

Location: [illegible]

RECORD OF SEISMIC SHOTHOLE

0 - 80	Sand
80 - 205	Blue shale

Company Shell

Prospect Delaware Basin

Line S-63

S. P. No. 960

Driller Ray Adkison

Date Drilled 7-29-53

L.S. Elev. 3667

Depth to K. Rc 80

Elev. of K Rc 3587

CONFIDENTIAL DATA

Data Obtained by

Template position

Shot Point No. 2132.35-41124

RECORD OF SEISMIC SHOTHOLE

0 - 65	Sand
65 - 160	Red Shale
160 - 290	Red Bed

Company Shell

Prospect Delaware Basin

Line S-43

S. P. No. 830

Driller Adkison

Date Drilled 6-16-53

L.S. Elev. 3655

Depth to K. Rc 65

Elev. of K Rc 3590

CONFIDENTIAL DATA

Data Obtained by

Template position

Shot No. 21.32.35.43322

RECORD OF SEISMIC SHOTHOLE

0 - 50	Sand
50 - 130	Blue shale
130 - 205	Red shale

Company Shell

Prospect Delaware Basin

Line S-63

S. P. No. 959

Driller Austin Parish

Date Drilled 7-29-53

L.S. Elev. 3662

Depth to K. Rc 50

Elev. of K Rc 3612

CONFIDENTIAL DATA

Data Obtained by

Template position

Location No. 21-32-35-43344

RECORD OF SEISMIC SHOTHOLE

0 - 40 Sand
40 - 145 Blue Clay & Shale
145 - 185 Red Clay

*An electric log for this hole indicates that the top of the Triassic was encountered at a depth of 56?feet (elevation 3600?)

Company Humble
Prospect Bell Lake
Line 27
S. P. No. 852
Driller
Date Drilled 8/25/58

L.S. Elev. 3656
Depth to K. Rc 40
Elev. of K Rc *3616

CONFIDENTIAL DATA

Data Obtained by USGS
Template position

Location No. 21.32.35.43443

RECORD OF SEISMIC SHOTHOLE

0 - 40 Sand
40 - 145 Blue Clay & Shale
145 - 205 Red Clay

*An electric log for this hole indicates that the top of the Triassic was encountered at a depth of 56feet (elevation 3600')

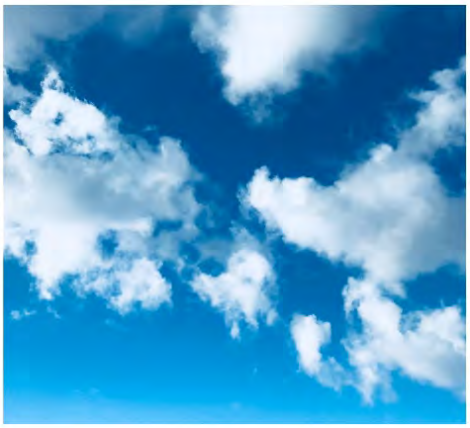
Company	Humble	L.S. Elev	3056
Prospect	Bell Lake	Depth to K	Tc 40
Line		Elev. of K	Tc *3616
S P No.	852		CONFIDENTIAL DATA
Driller		Data Obtained by	USGS
Date Drilled	8/25/58	Template position	

Location No. [illegible]

APPENDIX C

ENVIROTECH SITE ASSESSMENT

Site Characterization and Remediation Plan


Dagger Lake Zeus Pond

Incident # nAPP2211527047 and nAPP2222961063
Unit P, Section 35, T21S, R32E
Lea County, New Mexico
October 28, 2022

Amended By J.Austin Weyant 1/23/23, nothing added or altered only striked out

Mark Andersen
Permian Asset HSEQ Manager
TETRA Technologies/Swiftwater
2401 North County Road 1287
Midland, Texas 79701
Phone: (432) 234-0179
E-mail: mandersen@tetratec.com

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Table of Contents

Tetra Technologies - Swiftwater
Dagger Lake Zeus Pond Produced Water Release
Site Characterization and Remediation Plan
Incident # nAPP2222961063 and nAPP2211527047
Unit P, Section 35, T21S, R32E
Lea County, New Mexico

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Location

The subject site is identified as the Dagger Lake Zeus Pond Produced Water Spill and is located within Unit P, Section 35, Township 21 South, Range 32 East, Lea County, New Mexico. The site location is further described as beginning at 32.428384, -103.640087 and terminating at 32.427920, -103.637540; see **Figure 1, Vicinity Map**.

Background

The subject site includes two (2) separate incidents, one on April 9, 2022, and another on August 12, 2022. Both incidents included a release of produced water from Chevron's Dagger Lake Zeus Pond due to a recirculation line becoming unstrapped. Approximately 10.16 barrels and 1,715.4 barrels, respectively, of produced water were released, and visible surface impact included a total of 141,958 square feet. Note, the second release encompassed the area impacted by the first release. During the August release, crews were able to quickly shut down operations and make repairs to the connection recovering 480 barrels.

Surface and Ground Water

Based on information provided by the United States Department of Agriculture Natural Resources Conservation Service (NRCS) Web Soil Survey, the predominant soil at the site is Pyote loamy fine sand. Depth to a restrictive feature is reported to be greater than 80 inches.

The subject site is 0.15 miles north of a groundwater monitoring water well (C04566). The depth to well is recorded at 110 feet in September 2021 and was dry. The spill site and groundwater well are relatively similar in elevation (3-foot differential); therefore, depth to water at the subject site is estimated to be greater than 100 feet below ground surface (bgs). The subject site is also within a low karst occurrence area, and distance to the nearest water course is over 1,226 south of the spill site. Siting criteria documentation for the subject spill site is provided in **Appendix A, Siting Documentation.**

Regulatory Standards

Based on the release being mostly confined to the upper 4 feet, the closure criteria for the site were based on the following reclamation standards provided in *19.15.29.13 NMAC*:

Constituent	Method	Limit
Chloride	EPA 300.0	600 mg/kg
Total Petroleum Hydrocarbons (TPH)	EPA Method 8015D	100 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA Method 8021B	50 mg/kg
Benzene	EPA Method 8021B	10 mg/kg

For contaminant concentrations greater than 4 feet bgs, the following release closure criteria from *19.15.29.12 NMAC* are applicable:

Constituent	Method	Limit
Chloride	EPA 300.0	20,000 mg/kg
Total Petroleum Hydrocarbons (TPH)	EPA Method 8015D	2,500 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA Method 8021B	50 mg/kg
Benzene	EPA Method 8021B	10 mg/kg

Site Characterization-Delineation

Release delineation activities were conducted from September 19 through 22, 2022, which included utilizing hand tools to advance soil borings in proximity of the release path to determine the horizontal and vertical extents of the release. Concurrently, Warrior Technologies was on-site daylighting subsurface pipelines belonging to Solaris and Enterprise.

Field Screening

To direct delineation activities, field screening for volatile organic compounds (VOCs) was conducted with a photo-ionization detector (PID) organic vapor meter (OVM). Prior to performing field screening activities, the PID-OVM was first calibrated with 100 parts per million (ppm) isobutylene gas. Soil samples were also screened in the field for TPH per United States Environmental Protection Agency (EPA) Method 418.1 using an Infracal Total Oil and Grease (TOG)/TPH Analyzer. A three-point calibration was completed prior to conducting soil screening. Field screening protocol followed the manufacture's operating procedures. Samples were also field screened for chlorides using a Hach Chloride Test Kit. Field screening results are provided in **Appendix B, Field Notes**.

Confirmation Soil Sampling

Three (3) surface soil samples were collected off-site, in undisturbed locations (BG-1, BG-2, and BG-3). The three (3) soil samples were used to provide background chloride concentrations for future remediation efforts. Additionally, six (6) surface, grab samples were collected within the visible release path, including in proximity to the source (GS-1 through GS-6). These samples were used to determine if VOCs and TPH could be used as indicators for the release delineation, or if chloride would be the contaminant of concern for this site. These initial samples were field screened as well as collected for laboratory analysis.

A total of eighteen (18) test holes (TH) were excavated in proximity of the spill path. Two samples were collected for laboratory analysis from each test hole. All soil samples collected for laboratory analysis, were placed into an individual laboratory provided 2-ounce jar, capped head space free, and transported on ice to Envirotech Analytical Laboratory under strict chain of custody. The soil sample locations are illustrated in **Figure 2, Site Map** and in **Appendix C, Site Photography.**

Laboratory Analytical Results

The soil samples were analyzed per analytical methods referenced in *19.15.29.12 NMAC*. Laboratory results indicate VOCs and TPH are below laboratory detection limits and regulatory standards throughout the spill path, at all depths analyzed. Chloride is the contaminant of concern for the subject release and concentrations ranged from <20.0 mg/kg in several samples to 9,360 mg/kg in TH-1 @ S (0-0.25 ft bgs). Analytical results are summarized in **Table 1, Summary of Soil Analytical Results** and **Appendix D, Laboratory Analytical Report.**

Site Characterization Conclusion

The original spill path was mapped out by Tetra Technologies (Tetra) representatives, and the flow path was used to guide horizontal delineation efforts. Field screening and laboratory samples, indicate the impacted surface area is smaller than the original spill path mapped by Tetra. The impacted area measures 43,452.56 square feet, while the original spill report recorded 141,958 square feet of impacted surface.

Based on field screening and confirmation samples collected, petroleum hydrocarbons are not considered contaminants of concern, only chloride. The majority of the chloride contamination is contained within the upper 2 feet of the impact area, with the exception of a small area in proximity to TH-3 and TH-5; and around TH-7 and TH-14.

Based on field screening and laboratory analytical results, the total depth for remediation in these small areas will likely be extended to 4 feet bgs.

Remediation Plan

The spill footprint includes the April and August 2022 releases and is estimated to be 43,452.56 square feet to an average depth of 1 to 2 feet. Therefore, it is estimated that approximately 1,609 – 3,300 cubic yards of soil has been impacted. To successfully mitigate chloride contamination, and to protect public health and the environment, Tetra/Chevron proposes the following remediation plan:

Based on the delineation field screening and laboratory analytical results for chloride, the contaminated soil will be removed to approximately 2.0 feet bgs along the entire spill path. Field screening using a ~~Hach Chloride Test Kit~~ will guide the excavation extents. Where chloride contamination was confirmed above regulatory standard at 2 feet bgs, excavation will continue until field screening results indicate chloride contamination has been removed.

The excavation will be deemed complete when field screening levels indicates chloride contamination is below the applicable regulatory standard of 600 mg/kg in samples screened within the upper 4 feet. All contaminated soil will be transported off site to a NMOCD approved disposal facility.

~~Alternative Method~~

~~To expedite the remediation project, mitigate heavy truck traffic, and provide a cost-effective solution, an alternative to the traditional dig and haul is proposed. Treatment of the soil utilizing 3 Tier Technologies' SA-2000 and in-situ soil blending is the proposed alternative method for impacted soil at depths greater than 2-foot bgs. Once the heavily impacted surficial soil is removed from the spill path, the spill path will be treated with SA-2000 per manufacturers application rate. Manufacturer rate recommendation is 64 ounces of concentrate per cubic yard of material. The product is diluted in clean water at a ratio of 13 to 1. Further information regarding SA-2000 is provided in **Appendix E**.~~

~~The soil horizon representative of 2 to 3 feet will be blended with the soil horizon representative of 3 to 4 feet bgs. The treatment zone will be allowed to rest for 30 days, which is the anticipated timeline for the SA-2000 to be effective.~~

~~A sampling notification will be submitted to NMOCD after the 30-day treatment period, and confirmation soil samples, representing 500 square feet, will be collected within the treatment zone.~~

Site Stabilization and Restoration

Upon completion of the remediation excavation, an NMOCD 48-hour notice will be submitted for confirmation sampling for contaminants of concern. Tetra is requesting a variance to the 200 square foot confirmation sampling requirement for the area to be excavated, which would require over 217 base samples within the excavation footprint. Tetra proposes increasing the confirmation sampling size to 5-point composite soil samples representative of 500 square feet for the base and sidewalls of the excavation. Five-point composite soil samples will be collected and analyzed for chloride only. Initial characterization results indicate that petroleum hydrocarbons are not a contaminant of concern at the subject spill site. If laboratory analytical results indicate the concentration of chloride is below 600 mg/kg in the upper 4 feet of the impacted area, the site will be backfilled with non-impacted soil.

Site Closure

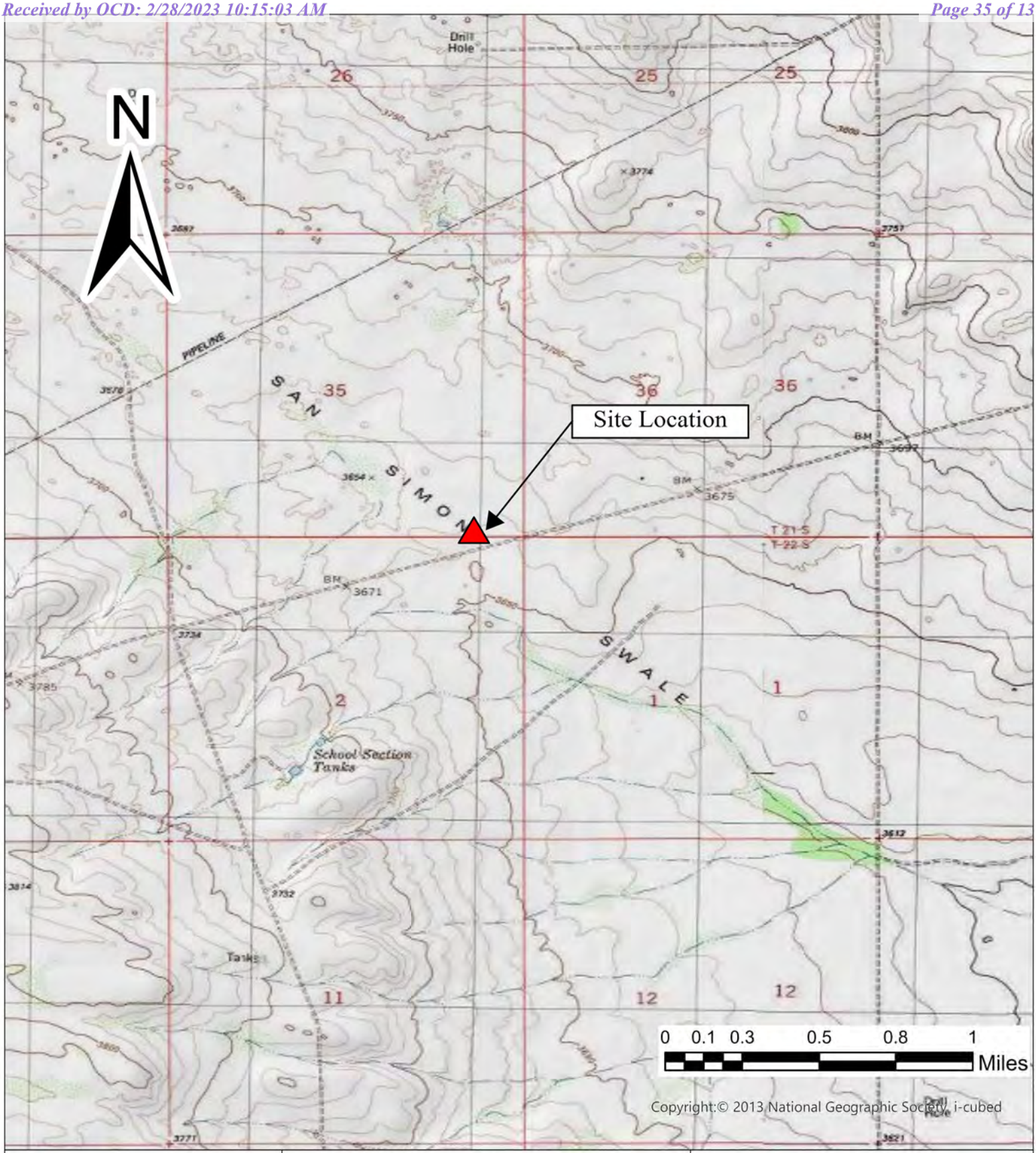
Upon completion of the remediation activities, Tetra will submit a Form C-141/Closure to the NMOCD, including the Closure Report Attachment Checklist. The site will be reclaimed in accordance with *19.15.29.13 NMAC*.

Schedule

The proposed schedule for the remediation excavation is estimated to be 45-65 days. This schedule is dependent on the availability of transport and the distance of the disposal facility from the subject site. This does not include confirmation sampling, laboratory analysis, and closure report preparation.

Figures

Figure 1, Vicinity Map
~~Figure 2, Site Map~~



Legend

▲ Site Location

Figure 1, Vicinity Map

Tetra Tech
Zeus Pit- Remediation Excavation
Section 35, Township 21S, Range 32E
Eddy County, New Mexico
32.4281270, -103.6391739
Project #21016-0003

envirotech

Environmental Scientists and Engineers
5796 U.S Highway 64
Farmington, New Mexico 87401
505.632.0615

Date Drawn: 08/18/2022
Drawn by: C. Todacheenie

Tables

Table 1, Summary of Soil Analytical Results

Table 1, Summary of Soil Analytical Results
Dagger Lake Zeus Pond
Site Characterization and Remediation Plan
Unit P, Section 35, Township 21S, Range 32E
Lea County, New Mexico
Incident #nAPP2222961063

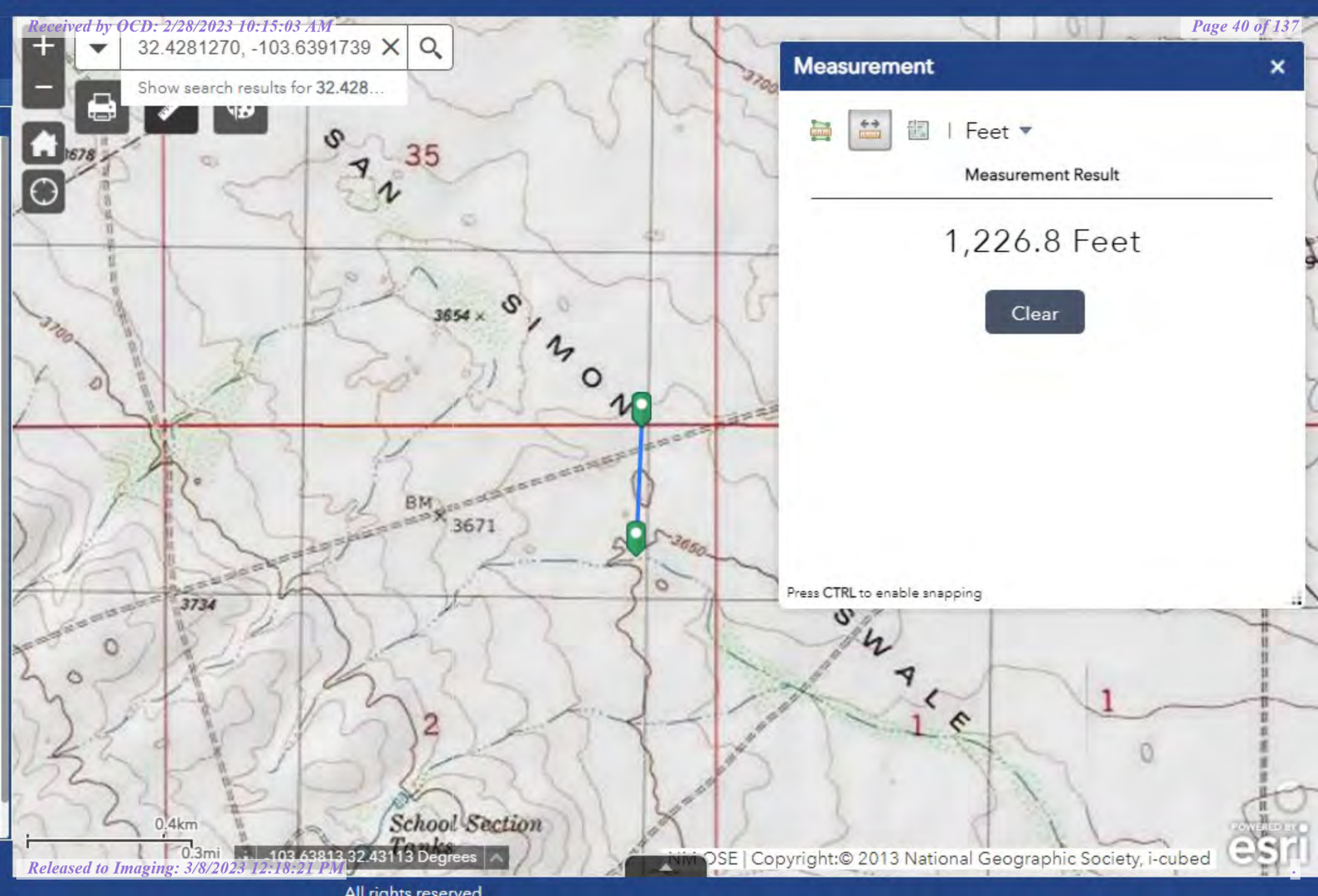
Laboratory Sample ID	Date	Sample Description	EPA Method 8015			EPA Method 8021		EPA Method 300.0
			GRO	DRO	ORO	Benzene	Total BTEX	Chlorides
NMOCD Remediation Closure Criteria (Table 1 - 19.15.29.13 NMAC)			*100 mg/kg*			*10 mg/kg*	*50 mg/kg*	*600 mg/kg*
NMOCD Release Closure Criteria (Table 1 - 19.15.29.12 NMAC)			*1,000/2,5000*			*10 mg/kg*	*50 mg/kg*	*20,000 mg/kg*
BG-1	9/19/2022	Surface (0.0 - 0.25 ft)	N/A	N/A	N/A	N/A	N/A	<20.0
BG-2			N/A	N/A	N/A	N/A	N/A	142
BG-3			N/A	N/A	N/A	N/A	N/A	<20.0
GS-1			<20.0	<25.0	<50.0	<0.0250	<0.100	**4,960**
GS-2			<20.0	42.4	<50.0	<0.0250	<0.100	40.5
GS-3			<20.0	<25.0	<50.0	<0.0250	<0.100	**1,450**
GS-4			<20.0	<25.0	<50.0	<0.0250	<0.100	60.4
GS-5			<20.0	<25.0	<50.0	<0.0250	<0.100	54.2
GS-6			<20.0	<25.0	<50.0	<0.0250	<0.100	31.2
TH-1 @ S	9/20/2022	Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**9,630**
TH-1 @ 2'	9/21/2022	2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	160
TH-2 @ S	9/20/2022	Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**7,450**
TH-2 @ 4'	9/21/2022	4 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	104
TH-3 @ 4'	9/21/2022	4 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	**614**
TH-3 @ 8'	9/21/2022	8 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	589
TH-4 @ 2'	9/21/2022	2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	**1,150**
TH-4 @ 4'	9/21/2022	4 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	24.2
TH-5 @ 2'	9/21/2022	2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	**2,510**
TH-5 @ 4'	9/21/2022	4 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	**2,500**
TH-6 @ S	9/20/2022	Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	41.8
TH-6 @ 2'	9/21/2022	2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	32
TH-7 @ 2'	9/21/2022	2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	**3,780**
TH-7 @ 8'	9/21/2022	8 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	**632**
TH-8 @ S	9/20/2022	Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-8 @ 2'	9/21/2022	2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-9 @ S	9/20/2022	Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-9 @ 2'	9/22/2022	2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-10 @ 2'	9/22/2022	2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	**1,850**
TH-10 @ 4'	9/22/2022	4 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	210
TH-11 @ S	9/20/2022	Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-11 @ 2'	9/22/2022	2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	26.9
TH-12 @ S	9/20/2022	Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-12 @ 2'	9/22/2022	2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	22.8
TH-13 @ S	9/21/2022	Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-13 @ 2'	9/22/2022	2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	21.0
TH-14 @ 2'	9/22/2022	2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	**5,070**
TH-14 @ 8'	9/22/2022	8 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	590
TH-15 @ S	9/21/2022	Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-15 @ 2'	9/22/2022	2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	23.8
TH-16 @ S	9/21/2022	Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-16 @ 2'	9/22/2022	2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-17 @ S	9/21/2022	Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-17 @ 2'	9/22/2022	2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-18 @ S	9/22/2022	Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-18 @ 2'	9/22/2022	2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0

N/A - Not Analyzed; BGS - below ground surface

Appendix A

Siting Criteria

Site Name:	**Chevron Dagger Lake Zeus Pond**			
API #:				
Lat/Long:	32.4281270, -103.6391739			
TRS:	Unti P Sec35 T21S R32E			
Land Jurisdiction:	Federal			
County:	Lea			
Wellhead Protection Area Assessment				
Water Source Type (well/spring/stock pond)	**ID**	**Latitude**	**Longitude**	**Distance**
Distance to Nearest Significant Watercourse				
1,226 feet (south of spill site to San Simon Swale)				
Depth to Groundwater Determination				
Cathodic Report/Site Specific Hydrogeology				
Elevation Differential	spill site is 3 feet lower than water well			
Water Wells	C04566 (9/2021); Dry hole at 110 feet; 0.15 miles from spill site			
Sensitive Receptor Determination				
<300' of any continuously flowing watercourse or any other significant watercourse				No
<200' of any lakebed, sinkhole or playa lake (measured from the Ordinary High Water				No
<300' of an occupied permanent residence, school, hospital, institution or church				No
<500' of a spring or private/domestic water well used by <5 households for domestic or stock watering purposes				No
<1000' of any water well or spring				No
Within incorporated municipal boundaries or within a defined municipal fresh water well				No
<300' of a wetland				No
Within the area overlying a subsurface mine				No
Within an unstable area				No
Within a 100-year floodplain (Zone D - risk unknown)				No
DTW Determination	**≤50** ☐	**50-100** ☐	**>100** ☑	
Benzene	**10**	**10**	**10**	
BTEX (mg/kg)	**50**	**50**	**50**	
8015 TPH (GRO/DRO) (mg/kg)	**Not Applicable**	**1,000**	**1,000**	
8015 TPH (GRO/DRO/MRO) (mg/kg)	**100**	**2,500**	**2,500**	
Chlorides (mg/kg)	**600**	**10,000**	**20,000**	


32.4281270, -103.6391739
Show search results for 32.428...
Measurement
Feet
Measurement Result
1,226.8 Feet
Clear
Press CTRL to enable snapping
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SIMON
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3654
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103.63813 32.43113 Degrees
NM OSE | Copyright:© 2013 National Geographic Society, i-cubed
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32.4281270, -103.6391739
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C-04566-POD1
1:9027
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200ft
-103.647 32.454 Degrees
Esri, HERE, GeoTechnologies, Inc. | U.S. Depa
App State
Click to restore the map extent and layers visibility where you left off.

New Mexico Office of the State Engineer
Transaction Summary

EXPL Permit To Explore

Transaction Number: 703676 **Transaction Desc:** C 04566 POD1 **File Date:** 08/02/2021

Primary Status: PMT Permit
Secondary Status: APR Approved
Person Assigned: *******
Applicant: ADVANCED ENERGY PARTNERS
Contact: BRADEN HARRIS

Events

	Date	Type	Description	Comment	Processed By
get images	08/02/2021	APP	Application Received	*	*******
	08/11/2021	FTN	Finalize non-published Trans.		*******
get images	08/12/2021	TEC	Technical Report	*PLG PLAN POD1	*******
get images	10/22/2021	LOG	Well Log Received	*	*******
get images	10/22/2021	LGI	Well Log Image	*PLG RECORD C-	*******
	10/27/2021	DRY	Dry well log received		*******
	11/10/2021	QAT	Quality Assurance Completed	DATA	*******
	11/16/2021	QAT	Quality Assurance Completed	IMAGE	*******

Water Right Information

WR File Nbr	Acres	Diversion	Consumptive	Purpose of Use
C 04566	0	0		MON MONITORING WELL

****Point of Diversion**

C 04566 POD1		627930	3588524

Remarks

"ANDERSON FEDERAL. A SOIL BORING TO DETERMINE DEPTH UP TO 110 FEET. TEMPORARY PVC WELL MATERIAL WILL BE PLACED TO TOTAL DEPTH AND SECURED AT SURFACE. TEMPORARY WELL WILL BE IN PLACE FOR MINIMUM OF 72 HOURS. IF GROUND WATER IS ENCOUNTERED

THE BORING WILL BE PLUGGED IMMEDIATELY USING AUGERS AS TREMIE TO LAND A SLURRY OF PORTLAND TYPE I/II NEAT CEMENT LESS THAN 6.0 GALLONS OF WATER PER 94 LB SACK. IF NO WATER IS ENCOUNTERED THEN DRILL CUTTINGS WILL BE USED TO (10) TEN FEET OF-

LAND SURFACE AND PLUGGED USING HYDRATED BENTONITE."

National Flood Hazard Layer FIRMette

FEMA

103°38'40"W 32°25'57"N

103°38'2"W 32°25'27"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/5/2022 at 4:58 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Conditions

1A	Depth of the well shall not exceed the thickness of the valley fill.
4	No water shall be appropriated and beneficially used under this permit.
B	The well shall be drilled by a driller licensed in the State of New Mexico in accordance with 72-12-12 NMSA 1978. A licensed driller shall not be required for the construction of a well driven without the use of a drill rig, provided that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter.
C	The well driller must file the well record with the State Engineer and the applicant within 30 days after the well is drilled or driven. It is the well owner's responsibility to ensure that the well driller files the well record. The well driller may obtain the well record form from any District Office or the Office of the State Engineer website.
6	The well authorized by this permit shall be plugged completely using the following method per Rules and Regulations Governing Well Driller Licensing, Construction, Repair and Plugging of Wells; Subsection C of 19.27.4.30 NMAC unless an alternative plugging method is proposed by the well owner and approved by the State Engineer upon completion of the permitted use. All pumping appurtenance shall be removed from the well prior to plugging. To plug a well, the entire well shall be filled from the bottom upwards to ground surface using a tremie pipe. The bottom of the tremie shall remain submerged in the sealant throughout the entire sealing process; other placement methods may be acceptable
7	The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
P	The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between hydrogeologic zones.
Q	The State Engineer retains jurisdiction over this permit.
R	Pursuant to section 72-8-1 NMSA 1978, the permittee shall allow the State Engineer and OSE representatives entry upon private property for the performance of their respective duties, including access to the ditch or acequia to measure flow and also to the well for meter reading and water level measurement.
16	Construction of a water well by anyone without a valid New Mexico Well Driller License is illegal, and the landowner shall bear the cost of plugging the well by a licensed New Mexico well driller. This does not apply to driven wells, the casing of which does not exceed two and three-eighths inches outside diameter.

Action of the State Engineer

**** See Image For Any Additional Conditions of Approval ****

Approval Code: A - Approved
Action Date: 08/11/2021
Log Due Date: 08/11/2022
State Engineer: John R. D Antonio,

10/6/22 1:36 PM TRANSACTION SUMMARY

Appendix B

Field Notes

Location: ZEUS PIT
Project # 21016-0005
Date: 9-19-22

CLIENT:	TETRA TECH	envirotech	Envmtl. Spclst: K. SANCHEZ/AFOUTZ
CLIENT/JOB #:	21016-0003		Onsite: 8:00 Offsite: 16:00
DATE:	9-19-22	505-632-0615 1-800-362-1879	LAT: 32.42813
WEATHER: (TEMP, CONDITIONS)	67° SUNNY	5796 US Highway 64	LONG: -103.63917
JSA TIME:	8:10	Farmington, NM 87401	

Purpose/Objective: (include project narrative for daily work; be sure to include site conditions at end of day)

- DELINEATE RELEASE @ ZEUS PIT FOR TETRA TECH.
- HYDROVAC TO DAYLIGHT SOLARIS AND ENTERPRISE LINES

EOD - HYDROVACCED AREAS BARRICADED W/ T-POSTS AND CAUTION TAPE. WILL BE ON SITE TUESDAY 9.20.22 @ 8:00.

LOCATION:

Name: ZEUS ~~PIT~~ SWD Well #: 1 API: 30-025-44273
County: LEA State: NM HWY-MM:
Cause of Release: BROKEN LINE TO PIT Material Released: PRODUCED WATER Amt. Released: ~750 BBLS
QUAD/UNIT: P SEC: 35 TWP: 21S RNG: 32E PM:

Spill Located Approximately: 15 FT. FROM (fixed landmark) TOP OF BERM
Excavation Approx: ____ FT. X ____ FT. X ____ FT. Volume (cy/tons):
Disposal Facility:
Land Use/Well Status ACTIVE Land Owner: PRIVATE/STATE BLM
REGULATORY AGENCY: NMOCD CLOSURE STDs: TPH-100 BTEX-10 Cl-600
ADDITIONAL CLOSURE REQUIREMENTS:

			TPH			VOC		Chloride	Lab
SAMPLE NAME	TIME COLLECTED	DESCRIPTION (lat/long or location)	TIME	READING	CAL ppm	TIME	PID/OV ppm	mg/kg	Y/N
200/500/1250 Standards	10:59 / 11:00 / 11:04		194 / 482 / 1221						
BG-1	10:06	SURFACE						<30	Y
BG-2	10:31	"						230	Y
BG-3	10:35	"						<30	Y
GS-1	11:02	"	11:14	4	16	11:16	0.0	4808	Y
GS-2	11:26	"	11:41	5	20	11:40	0.0	<298	Y
GS-3	13:20	"						1458	Y
GS-4	13:40	"						74	Y
GS-5	14:22	"						50	Y
GS-6	15:10	"						30	Y

Notes: SAFETY MEETING CONCLUDED @ 9:54. ENVIROTECH, TETRA TECH, ENTERPRISE, WARRIOR, SOLARIS ATTENDING. ALL AGREED W/ PLAN.
15:00 - CONFIRMED W/ GABRIEL (WARRIOR) TO BE ON SITE AFTER SPEAKING TO YANCY-ENTERPRISE (14:55). WARRIOR TO BE ON SITE @ 11:00 (9-20).

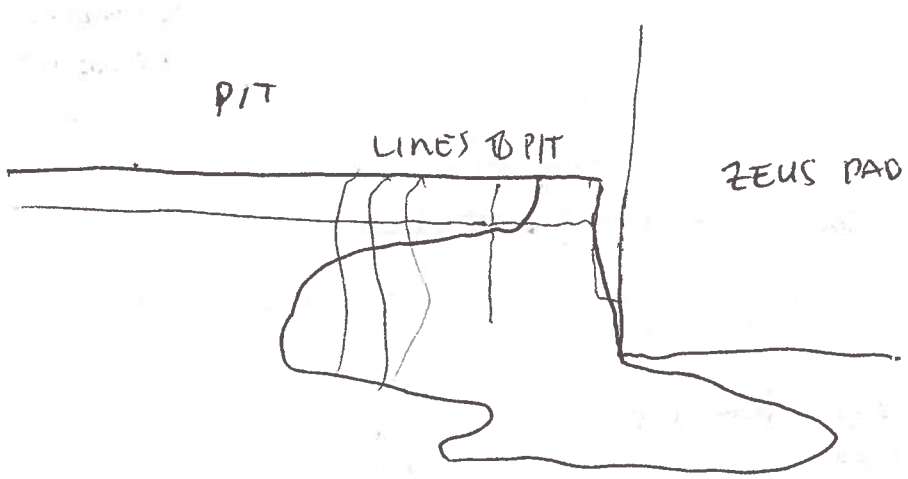
 Revised 9/15/2022

Location: ZEUS PIT
Project # 21016-0003

Date: 9.19.22

SITE PERIMETER: *Draw a schematic of the spill site. Attach photos and other diagrams as needed.*

DIMENSIONS: LENGTH, WIDTH, DEPTH



EXCAVATION OVERVIEW:

LAT/LONG MAIN POINTS AND SAMPLE LOCATIONS SEE ATTACHED MAP FOR LOCATIONS

BG-1 ~~32.4285470 -103.6393071~~ 32.4285037 -103.6402962
BG-2 ~~32.4283008 -103.6388474~~ 32.4277297 -103.6393071
BG-3 32.4276304 -103.6376762
GS-1 32.4285470 -103.6393071
GS-2 32.4283008 -103.6388474
GS-3 32.4283061 -103.6390788
GS-4 32.4284728 -103.6392484
GS-5 32.4282204 -103.6386241
GS-6 32.4280489 -103.6377886
~~GS-7~~ } NOT COLLECTED
~~GS-8~~

EXCAVATION PROFILE VIEWS:

Sample Name:	Sample Name:
Sample Name:	Sample Name:

Location: ZEUS 1
Project # 21016-0003
Date: 9.20.22

CLIENT: TETRA TECH	envirotech		Envmtl. Spclst: K. SANCHEZ / A. FOUTZ
CLIENT/JOB #: 21016-0003			Onsite: 8:00 Offsite: 17:15
DATE: 9.20.22	505-632-0615	1-800-362-1879	LAT: 32.428270
WEATHER: (TEMP, CONDITIONS) 74 SUNNY	5796 US Highway 64		LONG: -103.639739
JSA TIME: 8:22	Farmington, NM 87401		

Purpose/Objective: (include project narrative for daily work; be sure to include site conditions at end of day)
DELINEATE ZEUS SPILL W/ BORE HOLES, 1ST HORIZONTALLY, 2ND VERTICALLY, HYDROVAC ENTERPRISE LINE ON SOUTH END OF EXCAVATION.

EOD: ALL NEW HYDROVAC HOLES MARKED AND TAPED W/ T-POSTS AND YELLOW TAPE. (16:52) CALLED JUAN W/ WARRIOR TO LET HIM KNOW WE DO NOT NEED WARRIOR TOMORROW (9-21). YANCY W/ ENTERPRISE OFF-SITE @ 17:04. WARRIOR STILL ON SITE WHEN ENVIROTECH PERSONNEL LEFT.

LOCATION: Name: ZEUS SWD Well #: 1 API: 30-025-44273
County: LEA State: NM HWY-MM:
Cause of Release: BROKEN LINE TO PIT Material Released: PRODUCED WATER Amt. Released: ~750 BBLS
QUAD/UNIT: P SEC: 35 TWP: 21S RNG: 32E PM:

Spill Located Approximately: 15 FT. FROM (fixed landmark) TOP OF BERM
Excavation Approx: _____ FT. X _____ FT. X _____ FT. Volume (cy/tons): _____
Disposal Facility: _____
Land Use/Well Status ACTIVE Land Owner: PRIVATE/STATE BLM

REGULATORY AGENCY: NMOCD CLOSURE STDs: TPH-100 BTEX-10 Cl-600
ADDITIONAL CLOSURE REQUIREMENTS:

			TPH			VOC		Chloride	Lab
SAMPLE NAME	TIME COLLECTED	DESCRIPTION (lat/long or location)	TIME	READING	CAL ppm	TIME	PID/OV ppm	mg/kg	Y/N
200/500/1250 Standards	/	/	/	/					
TH-1 @ S	9:18	SURFACE-0.25 ft						>6148	Y
TH-2 @ S	9:49	0-0.25 ft						>6148	Y
TH-3 @ S	10:20	0-0.25 ft						3231	~~Y~~ N
TH-4 @ S	10:49	0-0.25 ft						<30	Y
TH-5 @ S	11:38	0-0.25 ft						579	Y
TH-6 @ S	12:03	0-0.25 ft						30	Y
TH-7 @ S	12:50	0-0.25 ft						184	Y
TH-8 @ S	13:40	0-0.25 ft						<30	Y
TH-9 @ S	14:44	0-0.25 ft						<30	Y
TH-10 @ S	15:34	0-0.25 ft						36	Y
TH-11 @ S	15:58	0-0.25 ft						<30	Y
TH-12 @ S	16:24	0-0.25 ft						<30	Y

Notes: Cl SAMPLES VERY DIFFICULT TO SEPERATE THROUGH FILTER. TAKING A LONG TIME TO COMPLETE. -14:04 YANCY W/ ENTERPRISE ARRIVED, ABLE TO START DAYLIGHTING/SAMPLING SOUTHERN PORTION OF SPILL PATH

Location: ZEUS PIT
Project # 21016-0003

Date: 9.20.22

SITE PERIMETER: *Draw a schematic of the spill site. Attach photos and other diagrams as needed.*

DIMENSIONS: LENGTH, WIDTH, DEPTH SEE ATTACHED MAP

EXCAVATION OVERVIEW:

LAT/LONG MAIN POINTS AND SAMPLE LOCATIONS

TH-1 32.4285331 -103.6388112
TH-2 32.4284277 -103.6389450
TH-3 32.4287284 -103.6391599
TH-4 32.4287185 -103.6394067
TH-5 32.4283741 -103.6391227
TH-6 32.4282258 -103.6390868
TH-7 32.4282620 -103.6392675
TH-8 32.4283025 -103.6393906
TH-9 32.4274679 -103.6391616
TH-10 32.4276974 -103.6389353
TH-11 32.427~~8421~~ 6827 -103.6385044
ESTH-12 32.4278921 -103.6385229

EXCAVATION PROFILE VIEWS:

Sample Name:	Sample Name:
Sample Name:	Sample Name:

Revised 9/15/2022

Location: CEC 35 T21S R32E
Project # 21016-0003
Date: 9.21.22

CLIENT:	TETRA TECH	envirotech	Envmtl. Spclst: K. SANCHEZ/A. FOUTZ
CLIENT/JOB #:	21016-0003		Onsite: 8:00 Offsite: 19:00
DATE:	9.21.22	505-632-0615 | 1-800-362-1879	LAT: 32.4281270
WEATHER: (TEMP, CONDITIONS)	70° SUNNY	5796 US Highway 64	LONG: -103.6391779
JSA TIME:	8:04	Farmington, NM 87401	

Purpose/Objective: (include project narrative for daily work; be sure to include site conditions at end of day)
- FINISH HORIZONTAL DELINEATION FOR CHLORIDES.
- START VERTICAL DELINEATION FOR CHLORIDES.

EOD. - NORTH END OF SPILL PATH VERTICALLY DELINEATED. WILL WORK ON SOUTH TOMORROW (9.22)

LOCATION:	Name: ZEUS SWD	Well #: 1	API: 30-025-44243			
	County: LEA	State: NM	HWY-MM:			
Cause of Release:	BROKEN LINE TO PIT	Material Released: PRODUCED WATER	Amt. Released: ~750 BBLS			
QUAD/UNIT: P	SEC: 35	TWP: 21S	RNG: 32E	PM:		
Spill Located Approximately:	15 FT.	FROM (fixed landmark) TOP OF BERM				
Excavation Approx:	FT. X FT. X FT.	Volume (cy/tons):				
Disposal Facility:						
Land Use/Well Status	ACTIVE	Land Owner: PRIVATE/BLM				
REGULATORY AGENCY:	NMOCD	CLOSURE STDs: TPH-100 BTEX-10 Cl-600				
ADDITIONAL CLOSURE REQUIREMENTS:						

			TPH			VOC		Chloride	Lab
SAMPLE NAME	TIME COLLECTED	DESCRIPTION (lat/long or location)	TIME	READING	CAL ppm	TIME	PID/OV ppm	mg/kg	Y/N
200/500/1250 Standards	/	/	/	/					
TH-13 @ S	12:05	0-0.25 ft						<30	Y
TH-14 @ S	12:12	0-0.25 ft						587	Y
TH-15 @ S	12:20	0-0.25 ft						<30	Y
TH-16 @ S	12:26	0-0.25 ft						<30	Y
TH-17 @ S	12:58	0-0.25 ft						<30	Y
TH-1 @ 2'	13:34	2 ft BGS						<298	Y
TH-2 @ 2'	13:48	2 ft BGS						3534	n
TH-2 @ 4'	14:08	4 ft BGS						<298	Y
TH-3 @ 2'	14:30	2 ft BGS						2726	n
TH-3 @ 4'	14:59	4 ft BGS						4779	Y
TH-3 @ 6'	15:24	6 ft BGS						3534	n
TH-3 @ 8'	15:49	8 ft BGS						636	Y

Notes:

Location:
Project #

Date:

SITE PERIMETER: *Draw a schematic of the spill site. Attach photos and other diagrams as needed.*

DIMENSIONS: LENGTH, WIDTH, DEPTH

EXCAVATION OVERVIEW:

LAT/LONG MAIN POINTS AND SAMPLE LOCATIONS

TH-13 32.42879439 -103.6387163
TH-14 32.4279832 -103.6391730
TH-15 32.4279586 -103.6395934
TH-16 32.4277014 -103.6396430
TH-17 32.4280356 -103.6375677

EXCAVATION PROFILE VIEWS:

Sample Name:	Sample Name:
Sample Name:	Sample Name:

CLIENT: TETRA TECH	envirotech		Envmtl. Spclst: K. SANCHEZ/A. FOUTZ
CLIENT/JOB #: 21016-0003			Site Name: ZEUS SWD
START DATE: 9.21.22	505-632-0615 | 1-800-362-1879		LAT 32.42P1270
FINISH DATE:	5796 US Highway 64		LONG -103.6391739
Page # 3 of 3	Farmington, NM 87401		

Field Screening Report

			VOC		TPH (Method 418.1)			CHLORIDE	
SAMPLE NAME	TIME COLLECTED	DESCRIPTION	TIME	PID/OV ppm	TIME	READING	CALC. ppm	TIME	mg/kg
TH-4 @ 2'	16:08	2ft. BGS							1350
TH-4 @ 4'	16:29	4ft. BGS							<298
TH-5 @ 2'	16:40	2ft BGS							2319
TH-5 @ 4'	16:54	4ft BGS							2144
TH-5 @ 6'	17:06	6ft BGS							525
TH-6 @ 2'	17:19	2ft BGS							<298
TH-7 @ 2'	17:39	2ft BGS							3534
TH-7 @ 4'	17:50	4ft BGS							3231
TH-7 @ 6'	18:20	6ft BGS							1700
TH-7 @ 8'	18:40	8ft BGS							698
TH-8 @ 2'	18:54	2ft BGS							<298

NOTES: *Include laboratory analysis information*

Revised 6/14/2021

Location: Zeus SWD
Project # 21016-0003
Date: 9.22.22

CLIENT:	Tetra Tech	envirotech	Envmtl. Spclst: K. Sanchez / A. Foutz
CLIENT/JOB #:	21016-0003		Onsite: 7:45 Offsite:
DATE:	9-22-22	505-632-0615 | 1-800-362-1879	LAT: 32.4281270
WEATHER: (TEMP, CONDITIONS)	67° Sunny	5796 US Highway 64	LONG: -103.6391739
JSA TIME:	8:05	Farmington, NM 87401	

Purpose/Objective: (include project narrative for daily work; be sure to include site conditions at end of day)
- Vertically delineate Zeus SWD spill test holes.
- Take pictures of layout of lines by berm for mapping purposes. Also water on R.O.W. road.

LOCATION: Name: Zeus SWD Well #: 1 API: 30-025-44273
County: Lea State: NM HWY-MM:
Cause of Release: Broken line to PT Material Released: Produced Water Amt. Released: ~750 BBLS
QUAD/UNIT: P SEC: 35 TWP: 21S RNG: 32E PM:

Spill Located Approximately: 15 FT. FROM (fixed landmark) Top of Berm
Excavation Approx: ____ FT. X ____ FT. X ____ FT. Volume (cy/tons): ____
Disposal Facility: ____
Land Use/Well Status Active Land Owner: Private / BLM

REGULATORY AGENCY: NMOCD CLOSURE STDs: TPH-100 BTEX-10 Cl-600
ADDITIONAL CLOSURE REQUIREMENTS:

			TPH			VOC		Chloride	Lab
SAMPLE NAME	TIME COLLECTED	DESCRIPTION (lat/long or location)	TIME	READING	CAL ppm	TIME	PID/OV ppm	mg/kg	Y/N
200/500/1250 Standards	/	/	/	/					
TH-9 @ 2'	8:39	@ 2ft BGS						<298	
TH-10 @ 2'	8:55	2ft. BGS						2319	
TH-10 @ 4'	9:15	4ft. BGS						<298	
TH-11 @ 2'	9:32	2ft BGS						<298	
TH-12 @ 2'	9:50	2ft BGS						<298	
TH-13 @ 2'	10:21	2ft BGS						<298	
TH-14 @ 2'	10:46	2ft BGS						4779	
TH-14 @ 4'	11:02	4ft BGS						3534	
TH-14 @ 6'	11:21	6ft BGS						1458	
TH-14 @ 8'	11:40	8ft BGS						636	
TH-15 @ 2'	12:02	2ft BGS						<298	
TH-16 @ 2'	12:38	2ft BGS						<298	

Notes:

Location: ~~21016~~ ZEUS SWD
Project # 21016-0003

Date: 9.22.22

SITE PERIMETER: *Draw a schematic of the spill site. Attach photos and other diagrams as needed.*
DIMENSIONS: LENGTH, WIDTH, DEPTH

EXCAVATION OVERVIEW:
LAT/LONG MAIN POINTS AND SAMPLE LOCATIONS TH-18 32.4283160 -103.6392+03

EXCAVATION PROFILE VIEWS:	
Sample Name:	Sample Name:
Sample Name:	Sample Name:

CLIENT: Tetra Tech	envirotech		Envmtl. Spclst: K. Sanchez/A. Foutz
CLIENT/JOB #: 21016-0003			Site Name: Zeus SWD #1
START DATE: 9-22-22	505-632-0615 | 1-800-362-1879		LAT 32.4281270
FINISH DATE:	5796 US Highway 64		LONG -103.6391739
Page # 3 of 3	Farmington, NM 87401		

Field Screening Report

			VOC		TPH (Method 418.1)			CHLORIDE	
SAMPLE NAME	TIME COLLECTED	DESCRIPTION	TIME	PID/OV ppm	TIME	READING	CALC. ppm	TIME	mg/kg
TH-17@2'	13:32	2ft BGS							<298
TH-18@S	14:14	0-0.25ft BGS							<298
TH-18@2'	14:40	2 ft BGS							<298

NOTES: *Include laboratory analysis information*

Revised 6/14/2021

Appendix C

Site Photography

Site Photography
Tetra Technologies/Swiftwater
Dagger Lake Zeus Pond
Site Characterization and Delineation
Project #21016-0003
September 19-22, 2022

Photo 1: Spill Source

Photo 2: Daylighting Activities

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Site Photography
Tetra Technologies/Swiftwater
Dagger Lake Zeus Pond
Site Characterization and Delineation
Project #21016-0003
September 19-22, 2022

Photo 3: Example TH-1 @ 2 feet

Photo 4: Example TH-3 @ 4 feet

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Site Photography
Tetra Technologies/Swiftwater
Dagger Lake Zeus Pond
Site Characterization and Delineation
Project #21016-0003
September 19-22, 2022

Photo 5: End of South Spill Path (West View)

Photo 6: Water in Road at Spill Terminus (Southeast View)

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Site Photography
Tetra Technologies/Swiftwater
Dagger Lake Zeus Pond
Site Characterization and Delineation
Project #21016-0003
September 19-22, 2022

Photo 7: Boring Near Toe of Pond

Photo 8: Stressed Vegetation in Spill Path

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Appendix D

Laboratory Analytical Reports

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Practical Solutions for a Better Tomorrow

Report to:

Greg Crabtree

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tetra Technologies

Project Name:	Zeus Pit Delineation
Work Order:	E209137
Job Number:	21016-0003
Received:	9/23/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/3/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/3/22

Greg Crabtree
6121 Indian School Road, NE
Albuquerque, NM 87110

Project Name: Zeus Pit Delineation
Workorder: E209137
Date Received: 9/23/2022 1:40:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/23/2022 1:40:00PM, under the Project Name: Zeus Pit Delineation.

The analytical test results summarized in this report with the Project Name: Zeus Pit Delineation apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

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West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Table of Contents (continued)

Sample Summary

Tetra Technologies	Project Name:	Zeus Pit Delineation	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0003	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/03/22 12:11

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG-1	E209137-01A	Soil	09/19/22	09/23/22	Glass Jar, 2 oz.
BG-2	E209137-02A	Soil	09/19/22	09/23/22	Glass Jar, 2 oz.
BG-3	E209137-03A	Soil	09/19/22	09/23/22	Glass Jar, 2 oz.
GS-1	E209137-04A	Soil	09/19/22	09/23/22	Glass Jar, 2 oz.
GS-2	E209137-05A	Soil	09/19/22	09/23/22	Glass Jar, 2 oz.
GS-3	E209137-06A	Soil	09/19/22	09/23/22	Glass Jar, 2 oz.
GS-4	E209137-07A	Soil	09/19/22	09/23/22	Glass Jar, 2 oz.
GS-5	E209137-08A	Soil	09/19/22	09/23/22	Glass Jar, 2 oz.
GS-6	E209137-09A	Soil	09/19/22	09/23/22	Glass Jar, 2 oz.
TH-1 @ S	E209137-10A	Soil	09/20/22	09/23/22	Glass Jar, 2 oz.
TH-2 @ S	E209137-11A	Soil	09/20/22	09/23/22	Glass Jar, 2 oz.
TH-6 @ S	E209137-12A	Soil	09/20/22	09/23/22	Glass Jar, 2 oz.
TH-8 @ S	E209137-13A	Soil	09/20/22	09/23/22	Glass Jar, 2 oz.
TH-9 @ S	E209137-14A	Soil	09/20/22	09/23/22	Glass Jar, 2 oz.
TH-11 @ S	E209137-15A	Soil	09/20/22	09/23/22	Glass Jar, 2 oz.
TH-12 @ S	E209137-16A	Soil	09/20/22	09/23/22	Glass Jar, 2 oz.
TH-1 @ 2'	E209137-17A	Soil	09/21/22	09/23/22	Glass Jar, 2 oz.
TH-2 @ 4'	E209137-18A	Soil	09/21/22	09/23/22	Glass Jar, 2 oz.
TH-3 @ 4'	E209137-19A	Soil	09/21/22	09/23/22	Glass Jar, 2 oz.
TH-3 @ 8'	E209137-20A	Soil	09/21/22	09/23/22	Glass Jar, 2 oz.

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 12:11:51PM

BG-1

E209137-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240078
Chloride	ND	20.0	1	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 12:11:51PM

BG-2

E209137-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240078
Chloride	**142**	20.0	1	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 12:11:51PM

BG-3

E209137-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240078
Chloride	ND	20.0	1	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 12:11:51PM

GS-1

E209137-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.0 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		*88.5 %*	*50-200*	*09/28/22*	*09/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240078
Chloride	**4960**	100	5	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 12:11:51PM

GS-2

E209137-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.0 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240020
Diesel Range Organics (C10-C28)	**42.4**	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		*93.2 %*	*50-200*	*09/28/22*	*09/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240078
Chloride	**40.5**	20.0	1	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 12:11:51PM

GS-3

E209137-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.0 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		*96.2 %*	*50-200*	*09/28/22*	*09/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240078
Chloride	**1450**	40.0	2	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 12:11:51PM

GS-4

E209137-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: 4-Bromochlorobenzene-PID		*99.4 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.4 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		*91.5 %*	*50-200*	*09/28/22*	*09/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240078
Chloride	**60.4**	20.0	1	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 12:11:51PM

GS-5

E209137-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.0 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		*93.2 %*	*50-200*	*09/28/22*	*09/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240078
Chloride	**54.2**	20.0	1	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 12:11:51PM

GS-6

E209137-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.8 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		*88.4 %*	*50-200*	*09/28/22*	*09/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240078
Chloride	**31.2**	20.0	1	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 12:11:51PM

TH-1 @ S

E209137-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: 4-Bromochlorobenzene-PID		*99.7 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.4 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		*85.4 %*	*50-200*	*09/28/22*	*09/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240078
Chloride	**9630**	400	20	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 12:11:51PM

TH-2 @ S

E209137-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.8 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		*86.4 %*	*50-200*	*09/28/22*	*09/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240078
Chloride	**7450**	200	10	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 12:11:51PM

TH-6 @ S

E209137-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.3 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		*131 %*	*50-200*	*09/28/22*	*09/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240078
Chloride	**41.8**	20.0	1	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 12:11:51PM

TH-8 @ S

E209137-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.4 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		*75.5 %*	*50-200*	*09/28/22*	*09/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240078
Chloride	ND	20.0	1	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 12:11:51PM

TH-9 @ S

E209137-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.9 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		*88.1 %*	*50-200*	*09/28/22*	*09/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240078
Chloride	ND	20.0	1	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 12:11:51PM

TH-11 @ S

E209137-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.5 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		*89.7 %*	*50-200*	*09/28/22*	*09/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240078
Chloride	ND	20.0	1	09/29/22	09/30/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 12:11:51PM

TH-12 @ S

E209137-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.0 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		*86.4 %*	*50-200*	*09/28/22*	*09/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240078
Chloride	ND	20.0	1	09/29/22	09/30/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 12:11:51PM

TH-1 @ 2'

E209137-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.4 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		*76.0 %*	*50-200*	*09/28/22*	*09/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240078
Chloride	**160**	20.0	1	09/29/22	09/30/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 12:11:51PM

TH-2 @ 4'

E209137-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*81.1 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		*93.3 %*	*50-200*	*09/28/22*	*09/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240078
Chloride	**104**	20.0	1	09/29/22	09/30/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 12:11:51PM

TH-3 @ 4'

E209137-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.9 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/30/22	
Surrogate: n-Nonane		*84.6 %*	*50-200*	*09/28/22*	*09/30/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240078
Chloride	**614**	400	20	09/29/22	09/30/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 12:11:51PM

TH-3 @ 8'

E209137-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.7 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240020
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/30/22	
Surrogate: n-Nonane		*88.8 %*	*50-200*	*09/28/22*	*09/30/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240078
Chloride	**589**	20.0	1	09/29/22	09/30/22	

QC Summary Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0003	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 12:11:51PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2240014-BLK1)									Prepared: 09/27/22 Analyzed: 09/30/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.97*		*8.00*		*99.6*	*70-130*			
LCS (2240014-BS1)									Prepared: 09/27/22 Analyzed: 09/30/22
Benzene	4.89	0.0250	5.00		97.8	70-130			
Ethylbenzene	4.02	0.0250	5.00		80.3	70-130			
Toluene	4.26	0.0250	5.00		85.3	70-130			
o-Xylene	4.08	0.0250	5.00		81.5	70-130			
p,m-Xylene	8.16	0.0500	10.0		81.6	70-130			
Total Xylenes	12.2	0.0250	15.0		81.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.08*		*8.00*		*101*	*70-130*			
LCS Dup (2240014-BSD1)									Prepared: 09/27/22 Analyzed: 09/30/22
Benzene	4.30	0.0250	5.00		85.9	70-130	12.9	20	
Ethylbenzene	3.51	0.0250	5.00		70.2	70-130	13.4	20	
Toluene	3.73	0.0250	5.00		74.7	70-130	13.3	20	
o-Xylene	3.56	0.0250	5.00		71.2	70-130	13.5	20	
p,m-Xylene	7.14	0.0500	10.0		71.4	70-130	13.3	20	
Total Xylenes	10.7	0.0250	15.0		71.3	70-130	13.4	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.10*		*8.00*		*101*	*70-130*			

QC Summary Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0003	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 12:11:51PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2240014-BLK1)									Prepared: 09/27/22 Analyzed: 09/30/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.93*		*8.00*		*86.7*	*70-130*			
LCS (2240014-BS2)									Prepared: 09/27/22 Analyzed: 10/03/22
Gasoline Range Organics (C6-C10)	49.3	20.0	50.0		98.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.66*		*8.00*		*83.3*	*70-130*			
LCS Dup (2240014-BSD2)									Prepared: 09/27/22 Analyzed: 09/30/22
Gasoline Range Organics (C6-C10)	46.9	20.0	50.0		93.8	70-130	4.95	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.06*		*8.00*		*88.2*	*70-130*			

QC Summary Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0003	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 12:11:51PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2240020-BLK1)									Prepared: 09/28/22 Analyzed: 09/29/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.6*		*50.0*		*93.2*	*50-200*			
LCS (2240020-BS1)									Prepared: 09/28/22 Analyzed: 09/29/22
Diesel Range Organics (C10-C28)	249	25.0	250		99.5	38-132			
Surrogate: n-Nonane	*45.4*		*50.0*		*90.9*	*50-200*			
Matrix Spike (2240020-MS1)				**Source: E209137-11**					Prepared: 09/28/22 Analyzed: 09/29/22
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	*46.0*		*50.0*		*92.1*	*50-200*			
Matrix Spike Dup (2240020-MSD1)				**Source: E209137-11**					Prepared: 09/28/22 Analyzed: 09/29/22
Diesel Range Organics (C10-C28)	271	25.0	250	ND	109	38-132	3.61	20	
Surrogate: n-Nonane	*46.4*		*50.0*		*92.9*	*50-200*			

QC Summary Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0003	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 12:11:51PM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2240078-BLK1)									Prepared: 09/29/22 Analyzed: 09/29/22
Chloride	ND	20.0							
LCS (2240078-BS1)									Prepared: 09/29/22 Analyzed: 09/29/22
Chloride	252	20.0	250		101	90-110			
LCS Dup (2240078-BSD1)									Prepared: 09/29/22 Analyzed: 09/29/22
Chloride	254	20.0	250		102	90-110	0.789	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/03/22 12:11

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Client: Tetra Tech
Project: Zeus Pit Delineation
Project Manager: Greg Crabtree
Address:
City, State, Zip
Phone:
Email: All Enviro
Report due by:

Bill To
Attention:
Address:
City, State, Zip
Phone:
Email:

Lab Use Only
Lab WO# E209137
Job Number 21016-0003

TAT: 1D | 2D | 3D | Standard (X)

EPA Program: CWA | SDWA | RCRA

State: NM (X) | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Chloride	BDGOC	Remarks
10:06	9-19-22	S	2	BG-1	1	X		
10:31				BG-2	2	X		
10:35				BG-3	3	X		
11:02				GS-1	4		X	
11:26				GS-2	5		X	
13:20				GS-3	6		X	
13:40				GS-4	7		X	
14:22				GS-5	8		X	
15:10				GS-6	9		X	
9:18	9-20-22			TH-1 @ 5	10		X	

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Kholeton Sanchez/A Fauth

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	9-23-22	13:39	[signature]	9/23/22	13:40
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Client: Tetra Tech	Bill To	Lab Use Only		TAT	EPA Program
Project: Zeus Pit Delineation	Attention:	Lab WO# E209137	Job Number 21016-0003	1D / 2D / 3D / Standard: X (Standard)	CWA / SDWA
Project Manager: Greg Crabtree	Address:	Analysis and Method			RCRA
Address:	City, State, Zip:				State: NM x / CO / UT / AZ / TX
City, State, Zip	Phone:				
Phone:	Email:				
Email: All Enviro					
Report due by:					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BDGOC											Remarks
9:49	9-20-22	S	1	TH-2 @ S	11	X											
12:03	↓	↓	↓	TH-6 @ S	12	↓											
13:40	↓	↓	↓	TH-8 @ S	13	↓											
14:44	↓	↓	↓	TH-9 @ S	14	↓											
15:58	↓	↓	↓	TH-11 @ S	15	↓											
16:24	↓	↓	↓	TH-12 @ S	16	↓											
13:34	9-21-22	↓	↓	TH-1 @ 2'	17	↓											
14:08	↓	↓	↓	TH-2 @ 4'	18	↓											
14:59	↓	↓	↓	TH-3 @ 4'	19	↓											
15:49	↓	↓	↓	~~TH-4 @ 8'~~ KS TH-3 @ 8'	20	↓											

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Kholeton Sanchez / A. Fouts

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	9-23-22	13:29	[signature]	9/23/22	13:40

Lab Use Only
Received on ice: (Y) / N
T1 ____ T2 ____ T3 ____
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ______

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 9/23/2022 2:26:49PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Tetra Technologies	Date Received:	09/23/22 13:40	Work Order ID:	E209137
Phone:	(505)881-3188	Date Logged In:	09/23/22 13:50	Logged In By:	Caitlin Christian
Email:	gcrabtree@envirotech-inc.com	Due Date:	09/30/22 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes
2. Does the number of samples per sampling site location match the COC	Yes
3. Were samples dropped off by client or carrier?	Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes

Carrier: Kholeton Sanchez

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No
29. Was a subcontract laboratory specified by the client and if so who?	NA

Subcontract Lab: na

Comments/Resolution

Project has been separated into 2 reports due to amount of samples. Workorders are as follows:
E209137 COC pg 1&2 of 5, E209138 COC pg 3,4&5 of 5.

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Greg Crabtree

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

NELAP ACCREDITED TNI LABORATORY

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tetra Technologies

Project Name:	Zeus Pit Delineation
Work Order:	E209138
Job Number:	21016-0003
Received:	9/23/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/3/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/3/22

Greg Crabtree
6121 Indian School Road, NE
Albuquerque, NM 87110

Project Name: Zeus Pit Delineation
Workorder: E209138
Date Received: 9/23/2022 1:40:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/23/2022 1:40:00PM, under the Project Name: Zeus Pit Delineation.

The analytical test results summarized in this report with the Project Name: Zeus Pit Delineation apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
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Sample Summary

Tetra Technologies	Project Name:	Zeus Pit Delineation	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0003	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/03/22 17:10

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
TH-4 @ 2'	E209138-01A	Soil	09/21/22	09/23/22	Glass Jar, 2 oz.
TH-4 @ 4'	E209138-02A	Soil	09/21/22	09/23/22	Glass Jar, 2 oz.
TH-5 @ 2'	E209138-03A	Soil	09/21/22	09/23/22	Glass Jar, 2 oz.
TH-5 @ 4'	E209138-04A	Soil	09/21/22	09/23/22	Glass Jar, 2 oz.
TH-6 @ 2'	E209138-05A	Soil	09/21/22	09/23/22	Glass Jar, 2 oz.
TH-7 @ 2'	E209138-06A	Soil	09/21/22	09/23/22	Glass Jar, 2 oz.
TH-7 @ 8'	E209138-07A	Soil	09/21/22	09/23/22	Glass Jar, 2 oz.
TH-8 @ 2'	E209138-08A	Soil	09/21/22	09/23/22	Glass Jar, 2 oz.
TH-13 @ S	E209138-09A	Soil	09/21/22	09/23/22	Glass Jar, 2 oz.
TH-15 @ S	E209138-10A	Soil	09/21/22	09/23/22	Glass Jar, 2 oz.
TH-16 @ S	E209138-11A	Soil	09/21/22	09/23/22	Glass Jar, 2 oz.
TH-17 @ S	E209138-12A	Soil	09/21/22	09/23/22	Glass Jar, 2 oz.
TH-9 @ 2'	E209138-13A	Soil	09/22/22	09/23/22	Glass Jar, 2 oz.
TH-10 @ 2'	E209138-14A	Soil	09/22/22	09/23/22	Glass Jar, 2 oz.
TH-10 @ 4'	E209138-15A	Soil	09/22/22	09/23/22	Glass Jar, 2 oz.
TH-11 @ 2'	E209138-16A	Soil	09/22/22	09/23/22	Glass Jar, 2 oz.
TH-12 @ 2'	E209138-17A	Soil	09/22/22	09/23/22	Glass Jar, 2 oz.
TH-13 @ 2'	E209138-18A	Soil	09/22/22	09/23/22	Glass Jar, 2 oz.
TH-14 @ 2'	E209138-19A	Soil	09/22/22	09/23/22	Glass Jar, 2 oz.
TH-14 @ 8'	E209138-20A	Soil	09/22/22	09/23/22	Glass Jar, 2 oz.
TH-15 @ 2'	E209138-21A	Soil	09/22/22	09/23/22	Glass Jar, 2 oz.
TH-16 @ 2'	E209138-22A	Soil	09/22/22	09/23/22	Glass Jar, 2 oz.
TH-17 @ 2'	E209138-23A	Soil	09/22/22	09/23/22	Glass Jar, 2 oz.
TH-18 @ S	E209138-24A	Soil	09/22/22	09/23/22	Glass Jar, 2 oz.
TH-18 @ 2'	E209138-25A	Soil	09/22/22	09/23/22	Glass Jar, 2 oz.

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

TH-4 @ 2'

E209138-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Benzene	ND	0.0250	1	09/27/22	09/29/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/29/22	
Toluene	ND	0.0250	1	09/27/22	09/29/22	
o-Xylene	ND	0.0250	1	09/27/22	09/29/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/29/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/29/22	
Surrogate: Bromofluorobenzene		*97.0 %*	*70-130*	*09/27/22*	*09/29/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*09/27/22*	*09/29/22*	
Surrogate: Toluene-d8		*97.4 %*	*70-130*	*09/27/22*	*09/29/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/29/22	
Surrogate: Bromofluorobenzene		*97.0 %*	*70-130*	*09/27/22*	*09/29/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*09/27/22*	*09/29/22*	
Surrogate: Toluene-d8		*97.4 %*	*70-130*	*09/27/22*	*09/29/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240019
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		*84.6 %*	*50-200*	*09/28/22*	*09/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240077
Chloride	**1150**	20.0	1	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

TH-4 @ 4'

E209138-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Benzene	ND	0.0250	1	09/27/22	09/29/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/29/22	
Toluene	ND	0.0250	1	09/27/22	09/29/22	
o-Xylene	ND	0.0250	1	09/27/22	09/29/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/29/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/29/22	
Surrogate: Bromofluorobenzene		*97.0 %*	*70-130*	*09/27/22*	*09/29/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*09/27/22*	*09/29/22*	
Surrogate: Toluene-d8		*97.3 %*	*70-130*	*09/27/22*	*09/29/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/29/22	
Surrogate: Bromofluorobenzene		*97.0 %*	*70-130*	*09/27/22*	*09/29/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*09/27/22*	*09/29/22*	
Surrogate: Toluene-d8		*97.3 %*	*70-130*	*09/27/22*	*09/29/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240019
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		*86.1 %*	*50-200*	*09/28/22*	*09/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240077
Chloride	**24.2**	20.0	1	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

TH-5 @ 2'

E209138-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Benzene	ND	0.0250	1	09/27/22	09/29/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/29/22	
Toluene	ND	0.0250	1	09/27/22	09/29/22	
o-Xylene	ND	0.0250	1	09/27/22	09/29/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/29/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/29/22	
Surrogate: Bromofluorobenzene		*95.5 %*	*70-130*	*09/27/22*	*09/29/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*09/27/22*	*09/29/22*	
Surrogate: Toluene-d8		*98.1 %*	*70-130*	*09/27/22*	*09/29/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/29/22	
Surrogate: Bromofluorobenzene		*95.5 %*	*70-130*	*09/27/22*	*09/29/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*09/27/22*	*09/29/22*	
Surrogate: Toluene-d8		*98.1 %*	*70-130*	*09/27/22*	*09/29/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240019
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		*86.4 %*	*50-200*	*09/28/22*	*09/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240077
Chloride	**2510**	40.0	2	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

TH-5 @ 4'

E209138-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*93.9 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*96.4 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*93.9 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*96.4 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240019
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		*88.3 %*	*50-200*	*09/28/22*	*09/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240077
Chloride	**2500**	40.0	2	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

TH-6 @ 2'

E209138-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*95.1 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*97.4 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*95.1 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*97.4 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240019
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		*87.0 %*	*50-200*	*09/28/22*	*09/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240077
Chloride	**31.6**	20.0	1	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

TH-7 @ 2'

E209138-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*96.1 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*97.6 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*96.1 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*97.6 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240019
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		*93.1 %*	*50-200*	*09/28/22*	*09/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240077
Chloride	**3780**	40.0	2	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

TH-7 @ 8'

E209138-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*98.7 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*98.7 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240019
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		*85.7 %*	*50-200*	*09/28/22*	*09/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240077
Chloride	**632**	20.0	1	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

TH-8 @ 2'

E209138-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*96.3 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*97.1 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*96.3 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*97.1 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240019
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane		*88.9 %*	*50-200*	*09/28/22*	*09/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240077
Chloride	ND	20.0	1	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

TH-13 @ S

E209138-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*95.8 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*95.8 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240019
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/30/22	
Surrogate: n-Nonane		*87.2 %*	*50-200*	*09/28/22*	*09/30/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240077
Chloride	ND	20.0	1	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

TH-15 @ S

E209138-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*95.9 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*97.4 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*95.9 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*97.4 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240019
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/30/22	
Surrogate: n-Nonane		*84.8 %*	*50-200*	*09/28/22*	*09/30/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240077
Chloride	ND	20.0	1	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

TH-16 @ S

E209138-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*96.6 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*95.6 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*96.6 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*95.6 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240019
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/30/22	
Surrogate: n-Nonane		*87.2 %*	*50-200*	*09/28/22*	*09/30/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240077
Chloride	ND	20.0	1	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

TH-17 @ S

E209138-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*95.5 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*95.5 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240019
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/30/22	
Surrogate: n-Nonane		*86.8 %*	*50-200*	*09/28/22*	*09/30/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240077
Chloride	ND	20.0	1	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

TH-9 @ 2'

E209138-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*98.8 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*98.8 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240019
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/30/22	
Surrogate: n-Nonane		*98.7 %*	*50-200*	*09/28/22*	*09/30/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240077
Chloride	ND	20.0	1	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

TH-10 @ 2'

E209138-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*97.8 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*96.0 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*97.8 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*96.0 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240019
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/30/22	
Surrogate: n-Nonane		*93.2 %*	*50-200*	*09/28/22*	*09/30/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240077
Chloride	**1850**	40.0	2	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

TH-10 @ 4'

E209138-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*97.4 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*97.4 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240019
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/30/22	
Surrogate: n-Nonane		*87.0 %*	*50-200*	*09/28/22*	*09/30/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240077
Chloride	**210**	20.0	1	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

TH-11 @ 2'

E209138-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.9 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*97.6 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.9 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*97.6 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240019
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/30/22	
Surrogate: n-Nonane		*89.5 %*	*50-200*	*09/28/22*	*09/30/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240077
Chloride	**26.9**	20.0	1	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

TH-12 @ 2'

E209138-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*95.7 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.9 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*98.1 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*95.7 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.9 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*98.1 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240019
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/30/22	
Surrogate: n-Nonane		*85.2 %*	*50-200*	*09/28/22*	*09/30/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240077
Chloride	**22.8**	20.0	1	09/29/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

TH-13 @ 2'

E209138-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*97.4 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*97.4 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240019
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/30/22	
Surrogate: n-Nonane		*88.4 %*	*50-200*	*09/28/22*	*09/30/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240077
Chloride	**21.0**	20.0	1	09/29/22	09/30/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

TH-14 @ 2'

E209138-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*96.8 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*96.6 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*96.8 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*96.6 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240019
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/30/22	
Surrogate: n-Nonane		*86.3 %*	*50-200*	*09/28/22*	*09/30/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240077
Chloride	**5070**	40.0	2	09/29/22	09/30/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

TH-14 @ 8'

E209138-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*95.4 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*97.8 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2240017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*95.4 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*97.8 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240019
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/30/22	
Surrogate: n-Nonane		*87.0 %*	*50-200*	*09/28/22*	*09/30/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240077
Chloride	**590**	20.0	1	09/29/22	09/30/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

TH-15 @ 2'

E209138-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239112
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*93.2 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*95.4 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239112
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*93.2 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*95.4 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240013
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane		*93.5 %*	*50-200*	*09/27/22*	*09/28/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240007
Chloride	**23.8**	20.0	1	09/26/22	09/28/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

TH-16 @ 2'

E209138-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239112
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*90.6 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*84.3 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239112
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*90.6 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*84.3 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240013
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/30/22	
Surrogate: n-Nonane		*89.9 %*	*50-200*	*09/27/22*	*09/30/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240007
Chloride	ND	20.0	1	09/26/22	09/28/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

TH-17 @ 2'

E209138-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239112
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*117 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*89.0 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239112
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*117 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*89.0 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*102 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240013
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/30/22	
Surrogate: n-Nonane		*91.9 %*	*50-200*	*09/27/22*	*09/30/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240007
Chloride	ND	20.0	1	09/26/22	09/29/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

TH-18 @ S

E209138-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239112
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*90.6 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*90.7 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239112
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*110 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*90.6 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*90.7 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240013
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/30/22	
Surrogate: n-Nonane		*89.7 %*	*50-200*	*09/27/22*	*09/30/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240007
Chloride	ND	20.0	1	09/26/22	09/28/22	

Sample Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

TH-18 @ 2'

E209138-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239112
Benzene	ND	0.0250	1	09/27/22	09/30/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/30/22	
Toluene	ND	0.0250	1	09/27/22	09/30/22	
o-Xylene	ND	0.0250	1	09/27/22	09/30/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/30/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*93.6 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*91.0 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*96.3 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239112
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/30/22	
Surrogate: Bromofluorobenzene		*93.6 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: 1,2-Dichloroethane-d4		*91.0 %*	*70-130*	*09/27/22*	*09/30/22*	
Surrogate: Toluene-d8		*96.3 %*	*70-130*	*09/27/22*	*09/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2240013
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/30/22	
Surrogate: n-Nonane		*91.6 %*	*50-200*	*09/27/22*	*09/30/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2240007
Chloride	ND	20.0	1	09/26/22	09/28/22	

QC Summary Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0003	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2239112-BLK1)									Prepared: 09/23/22 Analyzed: 09/30/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.458*		*0.500*		*91.6*	*70-130*			
Surrogate: Toluene-d8	*0.495*		*0.500*		*98.9*	*70-130*			
LCS (2239112-BS1)									Prepared: 09/23/22 Analyzed: 09/30/22
Benzene	2.21	0.0250	2.50		88.2	70-130			
Ethylbenzene	2.27	0.0250	2.50		90.9	70-130			
Toluene	2.45	0.0250	2.50		98.1	70-130			
o-Xylene	2.30	0.0250	2.50		92.1	70-130			
p,m-Xylene	4.68	0.0500	5.00		93.6	70-130			
Total Xylenes	6.99	0.0250	7.50		93.1	70-130			
Surrogate: Bromofluorobenzene	*0.532*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.439*		*0.500*		*87.8*	*70-130*			
Surrogate: Toluene-d8	*0.565*		*0.500*		*113*	*70-130*			
Matrix Spike (2239112-MS1)				**Source: E209134-03**					Prepared: 09/23/22 Analyzed: 09/30/22
Benzene	2.05	0.0250	2.50	ND	81.9	48-131			
Ethylbenzene	2.20	0.0250	2.50	ND	88.2	45-135			
Toluene	2.06	0.0250	2.50	ND	82.4	48-130			
o-Xylene	1.76	0.0250	2.50	ND	70.3	43-135			
p,m-Xylene	4.36	0.0500	5.00	ND	87.1	43-135			
Total Xylenes	6.11	0.0250	7.50	ND	81.5	43-135			
Surrogate: Bromofluorobenzene	*0.424*		*0.500*		*84.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.444*		*0.500*		*88.7*	*70-130*			
Surrogate: Toluene-d8	*0.494*		*0.500*		*98.7*	*70-130*			
Matrix Spike Dup (2239112-MSD1)				**Source: E209134-03**					Prepared: 09/23/22 Analyzed: 09/30/22
Benzene	2.15	0.0250	2.50	ND	85.8	48-131	4.72	23	
Ethylbenzene	2.28	0.0250	2.50	ND	91.0	45-135	3.19	27	
Toluene	2.13	0.0250	2.50	ND	85.2	48-130	3.29	24	
o-Xylene	2.32	0.0250	2.50	ND	92.8	43-135	27.6	27	R3
p,m-Xylene	4.50	0.0500	5.00	ND	89.9	43-135	3.16	27	
Total Xylenes	6.82	0.0250	7.50	ND	90.9	43-135	10.9	27	
Surrogate: Bromofluorobenzene	*0.523*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.453*		*0.500*		*90.5*	*70-130*			
Surrogate: Toluene-d8	*0.495*		*0.500*		*99.0*	*70-130*			

QC Summary Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0003	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2240017-BLK1)									Prepared: 09/27/22 Analyzed: 09/29/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.483*		*0.500*		*96.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.479*		*0.500*		*95.7*	*70-130*			
Surrogate: Toluene-d8	*0.488*		*0.500*		*97.6*	*70-130*			
LCS (2240017-BS1)									Prepared: 09/27/22 Analyzed: 09/29/22
Benzene	2.43	0.0250	2.50		97.1	70-130			
Ethylbenzene	2.31	0.0250	2.50		92.3	70-130			
Toluene	2.32	0.0250	2.50		92.9	70-130			
o-Xylene	2.33	0.0250	2.50		93.1	70-130			
p,m-Xylene	4.61	0.0500	5.00		92.3	70-130			
Total Xylenes	6.94	0.0250	7.50		92.5	70-130			
Surrogate: Bromofluorobenzene	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.520*		*0.500*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.482*		*0.500*		*96.4*	*70-130*			
LCS Dup (2240017-BSD1)									Prepared: 09/27/22 Analyzed: 09/29/22
Benzene	2.24	0.0250	2.50		89.6	70-130	8.03	23	
Ethylbenzene	2.17	0.0250	2.50		86.8	70-130	6.12	27	
Toluene	2.19	0.0250	2.50		87.5	70-130	6.08	24	
o-Xylene	2.18	0.0250	2.50		87.3	70-130	6.43	27	
p,m-Xylene	4.34	0.0500	5.00		86.8	70-130	6.16	27	
Total Xylenes	6.52	0.0250	7.50		86.9	70-130	6.25	27	
Surrogate: Bromofluorobenzene	*0.508*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.487*		*0.500*		*97.4*	*70-130*			

QC Summary Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0003	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2239112-BLK1)									Prepared: 09/23/22 Analyzed: 09/30/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.458*		*0.500*		*91.6*	*70-130*			
Surrogate: Toluene-d8	*0.495*		*0.500*		*98.9*	*70-130*			
LCS (2239112-BS2)									Prepared: 09/23/22 Analyzed: 09/30/22
Gasoline Range Organics (C6-C10)	39.4	20.0	50.0		78.8	70-130			
Surrogate: Bromofluorobenzene	*0.514*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.448*		*0.500*		*89.5*	*70-130*			
Surrogate: Toluene-d8	*0.502*		*0.500*		*100*	*70-130*			
Matrix Spike (2239112-MS2)				**Source: E209134-03**					Prepared: 09/23/22 Analyzed: 10/03/22
Gasoline Range Organics (C6-C10)	41.0	20.0	50.0	ND	82.0	70-130			
Surrogate: Bromofluorobenzene	*0.449*		*0.500*		*89.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.436*		*0.500*		*87.2*	*70-130*			
Surrogate: Toluene-d8	*0.514*		*0.500*		*103*	*70-130*			
Matrix Spike Dup (2239112-MSD2)				**Source: E209134-03**					Prepared: 09/23/22 Analyzed: 09/30/22
Gasoline Range Organics (C6-C10)	38.9	20.0	50.0	ND	77.8	70-130	5.28	20	
Surrogate: Bromofluorobenzene	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.439*		*0.500*		*87.7*	*70-130*			
Surrogate: Toluene-d8	*0.495*		*0.500*		*98.9*	*70-130*			

QC Summary Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0003	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2240017-BLK1)									Prepared: 09/27/22 Analyzed: 09/29/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.483*		*0.500*		*96.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.479*		*0.500*		*95.7*	*70-130*			
Surrogate: Toluene-d8	*0.488*		*0.500*		*97.6*	*70-130*			
LCS (2240017-BS2)									Prepared: 09/27/22 Analyzed: 09/29/22
Gasoline Range Organics (C6-C10)	35.5	20.0	50.0		71.1	70-130			
Surrogate: Bromofluorobenzene	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.487*		*0.500*		*97.4*	*70-130*			
LCS Dup (2240017-BSD2)									Prepared: 09/27/22 Analyzed: 09/29/22
Gasoline Range Organics (C6-C10)	37.6	20.0	50.0		75.3	70-130	5.74	20	
Surrogate: Bromofluorobenzene	*0.498*		*0.500*		*99.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.472*		*0.500*		*94.4*	*70-130*			

QC Summary Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0003	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2240013-BLK1)									Prepared: 09/27/22 Analyzed: 09/28/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*39.5*		*50.0*		*79.0*	*50-200*			
LCS (2240013-BS1)									Prepared: 09/27/22 Analyzed: 09/28/22
Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
Surrogate: n-Nonane	*48.0*		*50.0*		*96.0*	*50-200*			
Matrix Spike (2240013-MS1)				**Source: E209134-08**					Prepared: 09/27/22 Analyzed: 09/28/22
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132			
Surrogate: n-Nonane	*49.1*		*50.0*		*98.2*	*50-200*			
Matrix Spike Dup (2240013-MSD1)				**Source: E209134-08**					Prepared: 09/27/22 Analyzed: 09/28/22
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	38-132	5.36	20	
Surrogate: n-Nonane	*46.6*		*50.0*		*93.1*	*50-200*			

QC Summary Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0003	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2240019-BLK1)									Prepared: 09/28/22 Analyzed: 09/29/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*43.8*		*50.0*		*87.7*	*50-200*			
LCS (2240019-BS1)									Prepared: 09/28/22 Analyzed: 09/29/22
Diesel Range Organics (C10-C28)	256	25.0	250		102	38-132			
Surrogate: n-Nonane	*44.9*		*50.0*		*89.8*	*50-200*			
Matrix Spike (2240019-MS1)				**Source: E209138-08**					Prepared: 09/28/22 Analyzed: 09/29/22
Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	*45.6*		*50.0*		*91.2*	*50-200*			
Matrix Spike Dup (2240019-MSD1)				**Source: E209138-08**					Prepared: 09/28/22 Analyzed: 09/29/22
Diesel Range Organics (C10-C28)	251	25.0	250	ND	101	38-132	4.38	20	
Surrogate: n-Nonane	*43.8*		*50.0*		*87.7*	*50-200*			

QC Summary Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0003	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2240007-BLK1)									Prepared: 09/26/22 Analyzed: 09/28/22
Chloride	ND	20.0							
LCS (2240007-BS1)									Prepared: 09/26/22 Analyzed: 09/28/22
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2240007-MS1)				**Source: E209138-21**					Prepared: 09/26/22 Analyzed: 09/28/22
Chloride	272	20.0	250	23.8	99.4	80-120			
Matrix Spike Dup (2240007-MSD1)				**Source: E209138-21**					Prepared: 09/26/22 Analyzed: 09/28/22
Chloride	272	20.0	250	23.8	99.4	80-120	0.0320	20	

QC Summary Data

Tetra Technologies	Project Name:	Zeus Pit Delineation	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0003	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/3/2022 5:10:48PM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2240077-BLK1)									Prepared: 09/29/22 Analyzed: 09/29/22
Chloride	ND	20.0							
LCS (2240077-BS1)									Prepared: 09/29/22 Analyzed: 09/29/22
Chloride	246	20.0	250		98.5	90-110			
LCS Dup (2240077-BSD1)									Prepared: 09/29/22 Analyzed: 09/29/22
Chloride	248	20.0	250		99.2	90-110	0.751	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Tetra Technologies	Project Name:	Zeus Pit Delineation	
6121 Indian School Road, NE	Project Number:	21016-0003	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	10/03/22 17:10

R3	The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 3 of 5

Client: Tetra Tech	**Bill To**
Project: Zeus Pit Delineation	Attention:
Project Manager: Greg Crabtree	Address:
Address:	City, State, Zip
City, State, Zip	Phone:
Phone:	Email:
Email: All Enviro	
Report due by:	

Lab Use Only		TAT				EPA Program	
Lab WO# E209138	Job Number 21016-0003	1D	2D	3D	Standard X	CWA	SDWA
							RCRA

State: NM x | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BDOC	Remarks
16:08	9-21-22	S	1	TH-4 @ 2'	1	X	
16:29	"	"	"	TH-4 @ 4'	2	"	
16:40				TH-5 @ 2'	3		
16:54				TH-5 @ 4'	4		
17:19				TH-6 @ 2'	5		
17:39				TH-7 @ 2'	6		
18:40				TH-7 @ 8'	7		
18:54				TH-8 @ 2'	8		
12:05				TH-13 @ 5	9		
12:20	"	"	"	TH-15 @ 5	10	"	

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Kholeton Sanchez /A Faye

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	9-23-22	13:39	[signature]	9/23/22	13:40
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Project Information

Chain of Custody

Client: Tetra Tech
Project: Zeus Pit Delineation
Project Manager: Greg Crabtree
Address:
City, State, Zip
Phone:
Email: All Enviro
Report due by:

Bill To
Attention:
Address:
City, State, Zip
Phone:
Email:

Lab Use Only
Lab WO# E209138
Job Number 21016-0003

TAT: 1D | 2D | 3D | Standard X

EPA Program: CWA | SDWA | RCRA

State: NM x | CO | UT | AZ | TX

Analysis and Method: BDGOC

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BDGOC	Remarks
12:26	9-21-22	S	1	TH-16 @ 5	11	X	
12:58	"	"	"	TH-17 @ 5	12	"	
8:39	9-22-22	"	"	TH-9 @ 2'	13	"	
8:55	"	"	"	TH-10 @ 2'	14	"	
9:15	"	"	"	TH-10 @ 4'	15	"	
9:32	"	"	"	TH-11 @ 2'	16	"	
9:50	"	"	"	TH-12 @ 2'	17	"	
10:21	"	"	"	TH-13 @ 2'	18	"	
10:46	"	"	"	TH-14 @ 2'	19	"	
11:40	"	"	"	TH-14 @ 8'	20	"	

Additional Instructions:

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Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9-23-22	13:39		9/23/22	13:40
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Project Information

Chain of Custody

Client: Tetra Tech
Project: Zeus Pit Delineation
Project Manager: Greg Crabtree
Address:
City, State, Zip
Phone:
Email: All Enviro
Report due by:

Bill To
Attention:
Address:
City, State, Zip
Phone:
Email:

Lab Use Only
Lab WO# E 209138
Job Number 21016-0003

TAT: 1D | 2D | 3D | Standard (X)

EPA Program: CWA | SDWA | RCRA

State: NM (X) | CO | UT | AZ | TX

Analysis and Method: BDOC

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BDOC	Remarks
12:02	9-22-22	S	1	TH-15 @ 2'	21	X	
12:38	"	"	"	TH-16 @ 2'	22	"	
13:32	"	"	"	TH-17 @ 2'	23	"	
14:14	"	"	"	TH-18 @ 5	24	"	
14:40	"	"	"	TH-18 @ 2'	25	"	

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Kholeton Sanchez /A Fouts

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	9-23-22	13:39	Caitlin Christian	9/23/22	13:40
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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

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

CONDITIONS

Action 191408

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 191408
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved with Conditions. Variance approved: Composite confirmation samples will be collected from the bottom and sidewalls of the excavation from areas representing no more than five hundred (500) square feet. Please clearly mark the outline of the excavation in the closure report.	3/8/2023