State of New Mexico
Oil Conservation Division

Incident ID	nAPP2230526211
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: 03/6/2023

email: ABarnhill@chevron.com Telephone: (432) 940-8524

OCD Only

Received by: Robert Hamlet Date: 7/14/2023

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

Signature: Robert Hamlet Date: 7/14/2023

Incident ID	nAPP2230526211
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.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2230526211
District RP	
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Printed Name: Amy Barnhill_____ Title: Lead Environmental Specialist - Water_____

Signature: _____ Date: 03/6/2023_____

email: ABarnhill@chevron.com_____ Telephone: (432) 940-8524_____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2230526211
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Remediation Plan

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

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☒ Scaled sitemap with GPS coordinates showing delineation points
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☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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Printed Name: Amy Barnhill_____ Title: Lead Environmental Specialist - Water_____

Signature: _____ Date: 03/6/2023_____

email: ABarnhill@chevron.com_____ Telephone: (432) 940-8524_____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

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

February 13, 2023

#Hayhurst_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 Hayhurst Pad 10 Release (nAPP2211730678), Eddy 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 September 20th, 2022. To gain NMOCD work approval of remediation of the release of liquids related to oil and gas production activities at the Hayhurst Pad 10. The site is in Unit O, Section 26, Township 25S, Range 27E, Eddy County, New Mexico.

Table 1 summarizes release information and Site Criteria.

Table 1: Release Information and Closure Criteria			
Name	Hayhurst Pad 10	Company	Chevron U.S.A., Inc
API Number		Location	32.094581, -104.154458;
Incident Number	nAPP2211730678		
Estimated Date of Release	4/12/22	Date Reported to NMOCD	4/12/22
Landowner	State	Reported To	NMOCD District 1
Source of Release	Tetra had a pressure spike during pump operations, and then discovered that a layflat head had separated, allowing a volume of produced water to spill until crews could shut down, clamp, and make repairs on the connection.		
Released Volume	566 bbls	Released Material	Produced Water
Recovered Volume	0 bbls	Net Release	566 bbls
NMOCD Closure Criteria	51-100 feet to groundwater		

1.0 Background

Release delineation activities were conducted by Envirotech from September 20 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, hydro excavators were on-site daylighting subsurface pipelines belonging to Chevron.

NMOCD rejected the previously submitted Site Assessment and Remediation Work plan (see Appendix E) on December 23, 2022.

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. Most of the excavation will be less than two (2) feet except for sample areas TH-13 and TH-18.

Figure 1 shows the extent of the proposed excavation and existing sample locations. All laboratory results are summarized in Envirotec Table 1. Laboratory reports are included in Appendix .

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).

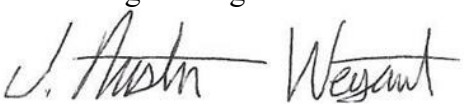
4.0 Variance and Limitations

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



Austin Weyant
Geoscientist

ATTACHMENTS:

Figures:

Figure 1: Vicinity and Well Head Protection Map
Figure 2: Surface Water Radius Map
Figure 3: Site ECa and proposed sample locations

Tables:

Table 2: NMOCD Closure Criteria Justification

Appendices:

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

FIGURES

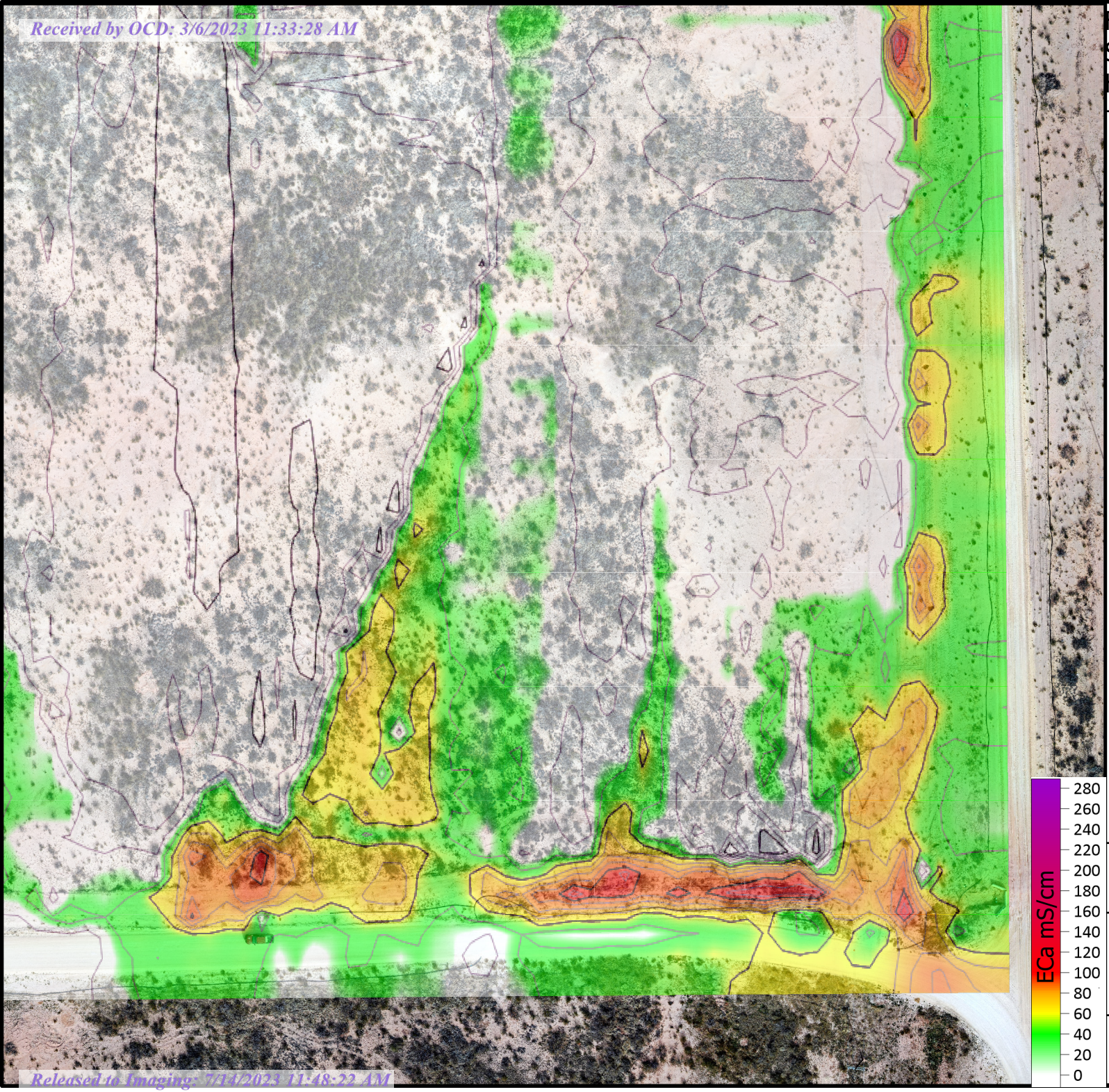


FIGURE 1 EM 38 ECa
South area
Hayhurst Release

LEGEND

- WellGIS
- ZeusPit_EnvirotechSample

N

0 45 90 180

Scale: 1:1,146 Feet

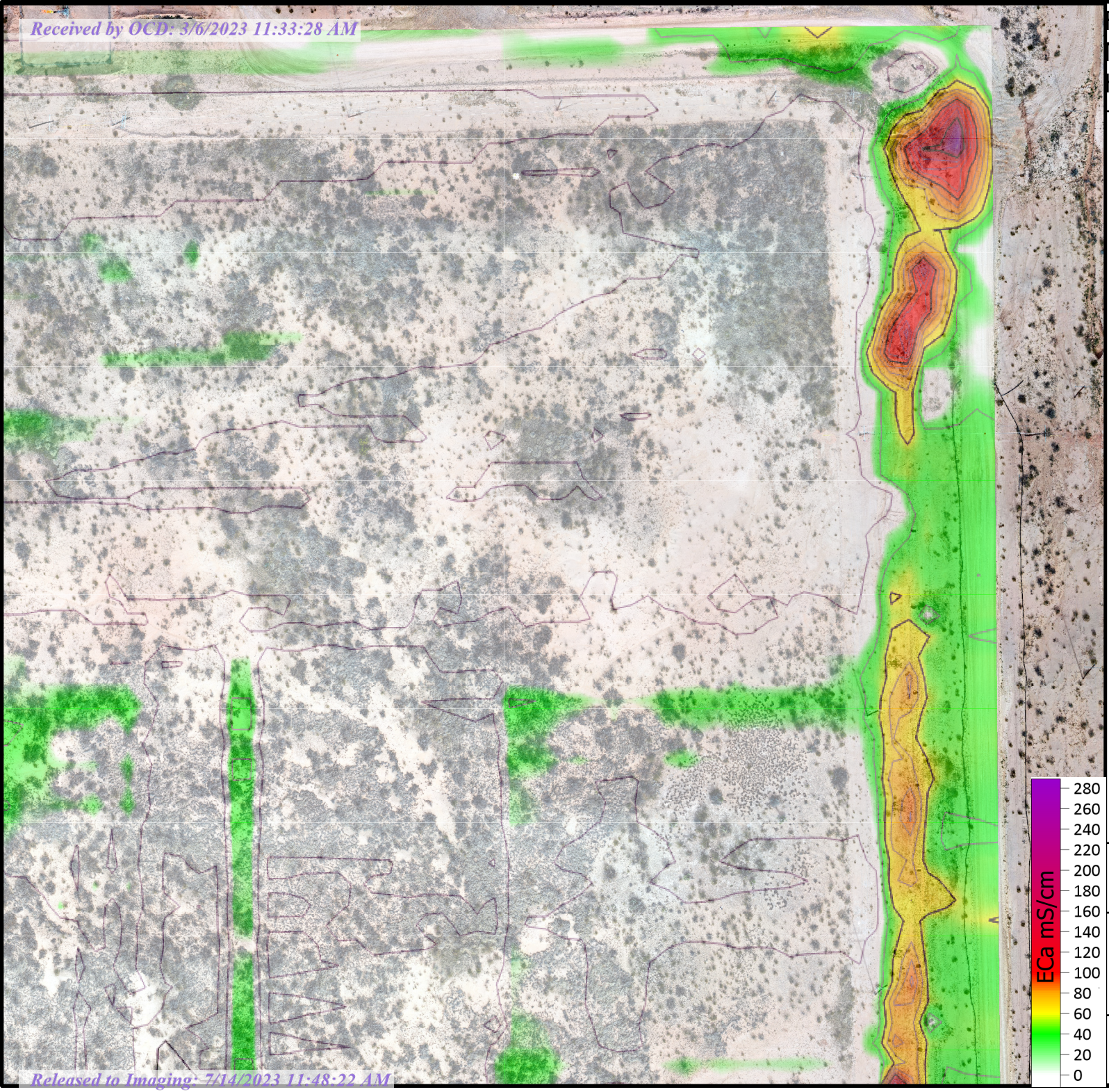
JOB No. hayhurst_env_22

DATE FIELD: 12/21/22 DRAWN JAW

DATE DRAWN: 2/13/2023 REVIEW LCM

Atkins ENGINEERING ASSOCIATES

FIGURE 1a EM 38 ECa
North area
Hayhurst Release



LEGEND

- WellGIS
- ZeusPit_EnvirotechSample

ECa mS/cm: 280, 260, 240, 220, 200, 180, 160, 140, 120, 100, 80, 60, 40, 20, 0

N

0 45 90 180

Scale: 1:1,146 Feet

JOB No. hayhurst_env_22

DATE FIELD: 12/21/22 DRAWN JAW

DATE DRAWN: 2/13/2023 REVIEW LCM

Atkins ENGINEERING ASSOCIATES

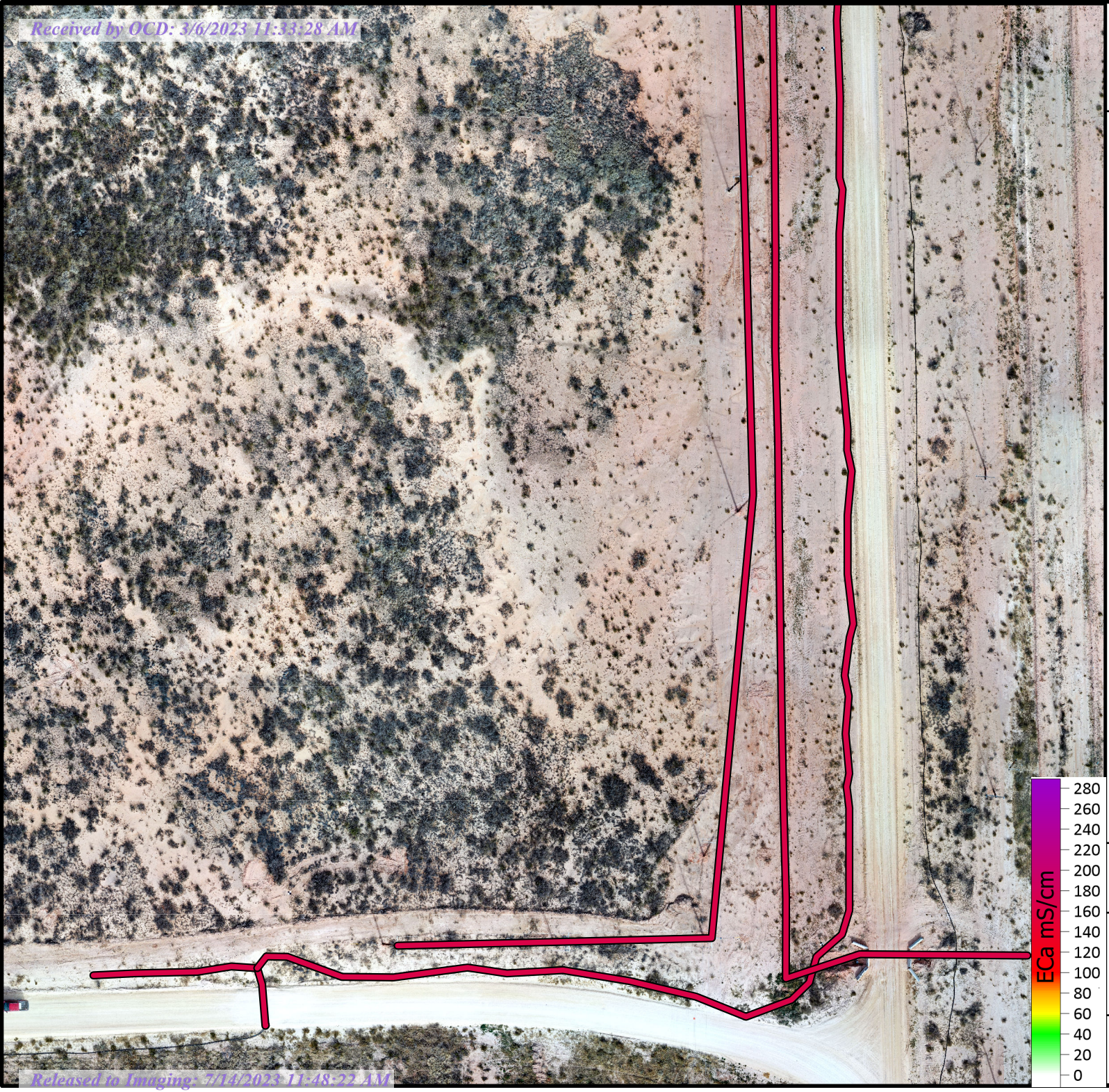


FIGURE 2 EM 38 ECa
South area
Hayhurst Utilities

LEGEND

- WellGIS
- Pipeline
- ZeusPit_EnvirotechSample

N

0 40 80 160

Scale: 1:1,000 Feet

JOB No. hayhurst_env_22

DATE FIELD: 12/21/22 DRAWN JAW

DATE DRAWN: 2/13/2023 REVIEW LCM

Atkins ENGINEERING ASSOCIATES

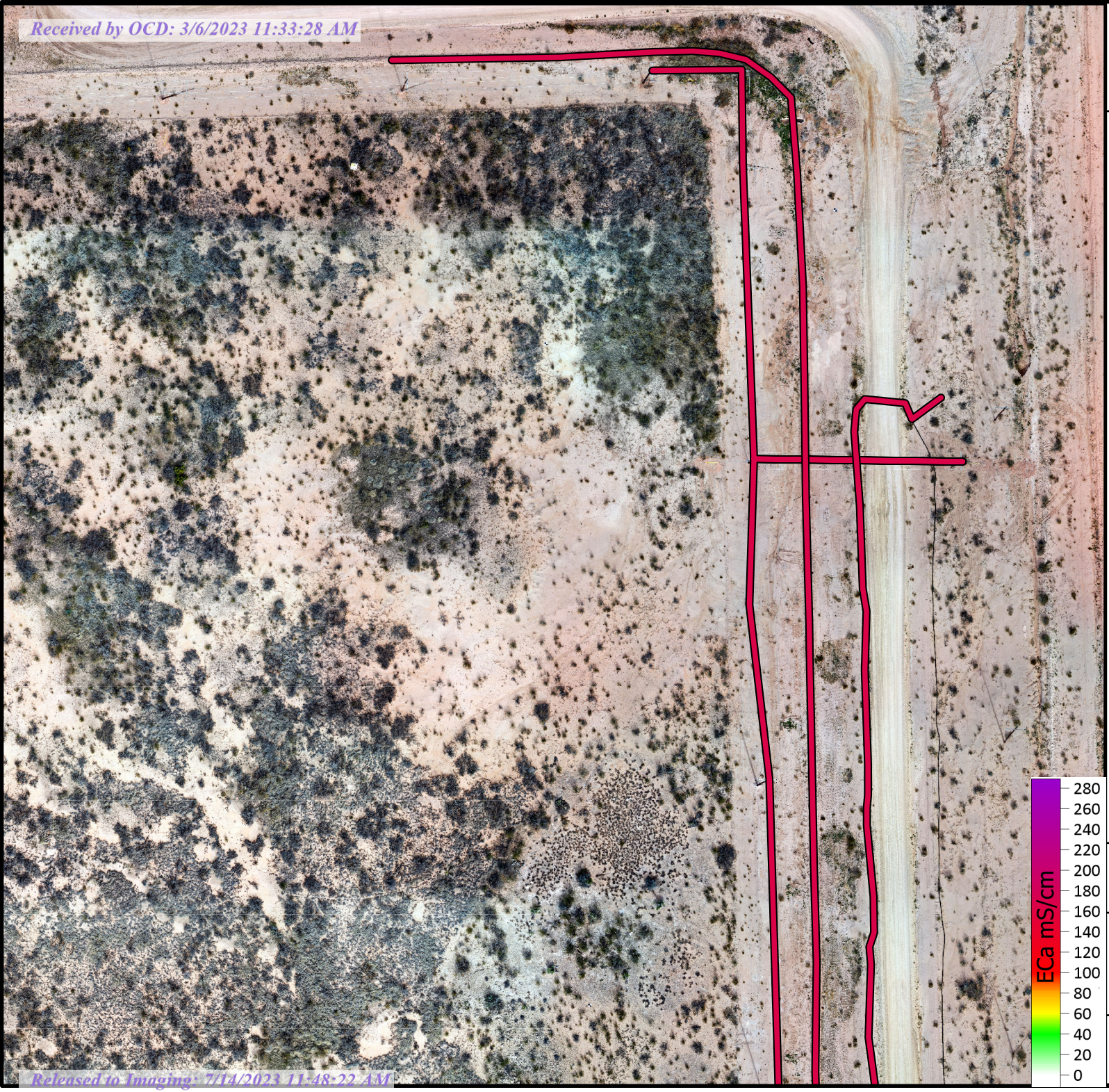


FIGURE 2a EM 38 ECa
North area
Hayhurst Utilities

LEGEND

- WellGIS
- Pipeline
- ZeusPit_EnvirotechSample

N

0 40 80 160

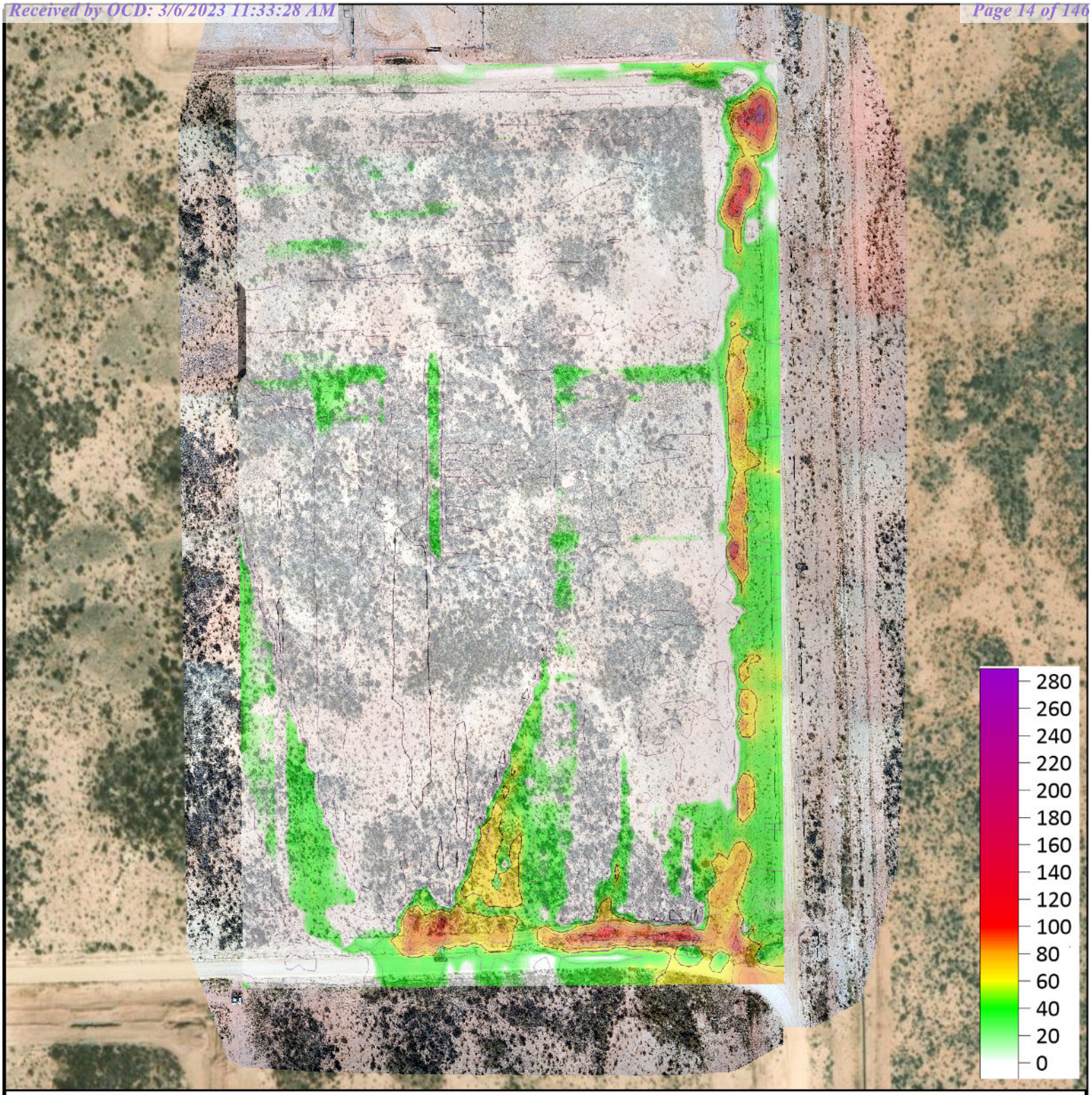
Scale: 1:1,000 Feet

JOB No. hayhurst_env_22

DATE FIELD: 12/21/22 DRAWN JAW

DATE DRAWN: 2/13/2023 REVIEW LCM

Atkins ENGINEERING ASSOCIATES



LEGEND

0 375 750 1,500
Scale: Feet

N

FIGURE -3
Hayhurst ECa Raw

32.0946719, -104.154604

DATE FIELD: 1/11/23 DRAWN JAW REVIEW LCM
DATE DRAWN: 1/12/2023 JOB No. hayhurst_env_22

Atkins ENGINEERING ASSOCIATES

TABLES

Table 1, Summary of Soil Analytical Results
Hayhurst Pad 10 Site Delineation
Unit O, Section 26, Township 25S, Range 27E
Eddy County, New Mexico
Incident #nAPP2211730678

Laboratory Sample ID	Date	Sample Description	EPA Method 8015			EPA Method 8021		EPA Method 300.0
			GRO	DRO	ORO	Benzene	Total BTEX	Chlorides
		NMOCD Release Closure Criteria (Table 1 - 19.15.29.12 NMAC)	*100 mg/kg*			*10 mg/kg*	*50 mg/kg*	*600 mg/kg*
BG-1	8/8/2022	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	<20.0
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	<20.0
GS-2			<20.0	<25.0	<50.0	<0.0250	<0.100	**8,660**
GS-3			<20.0	<25.0	<50.0	<0.0250	<0.100	**6,500**
GS-4			<20.0	<25.0	<50.0	<0.0250	<0.100	**17,300**
GS-5			<20.0	<25.0	<50.0	<0.0250	<0.100	**5,560**
GS-6			<20.0	<25.0	<50.0	<0.0250	<0.100	**5,380**
TH-1 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-1 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-2 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**13,600**
TH-2 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	109
TH-3 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**11,600**
TH-3 4'		4 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-4 0"	8/10/2022	Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-4 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-5 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-5 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-6 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**12,500**
TH-6 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	214
TH-7 0'		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**7,500**
TH-7 4'		4 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-8 0"		Surface (0.0 - 0.25 ft)	<20.0	27.1	<50.0	<0.0250	<0.100	**47,600**
TH-8 10"		0.83 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	**7,580**
TH-9 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**12,100**
TH-9 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	120
TH-10 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**8,460**
TH-10 4'		4 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-11 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**12,700**
TH-11 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	472
TH-12 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**8,510**
TH-12 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	**1,010**
TH-13 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**8,850**
TH-13 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	499
TH-14 0"	8/11/2022	Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	211
TH-14 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	**12,400**
TH-15 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**1,500**
TH-15 4'		4 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	518
TH-16 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**7,200**
TH-16 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	264
TH-17 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**7,520**
TH-17 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	528
TH-18 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**791**
TH-18 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	**13,900**
TH-19 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**6,430**
TH-19 4'		4 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	56.9
TH-20 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**25,800**
TH-20 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	**1,090**
TH-21 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-21 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-22 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**2,090**
TH-23 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0

N/A - Not Analyzed

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	nAPP2211730678
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 32.094581 Longitude -104.154458
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Hayhurst Pad 10	Site Type: Produced Water
Date Release Discovered: 4-12-22	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
O	26	25S	27E	Eddy

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 566	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Tetra had a pressure spike during pump operations, and then discovered that a layflat head had separated, allowing a volume of produced water to spill until crews could shut down, clamp, and make repairs on the connection.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2211730678
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Over 25 bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? On 4-12-22 at 5:45pm Amy Barnhill e-mailed Mike Bratcher.	

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: 4-27-22

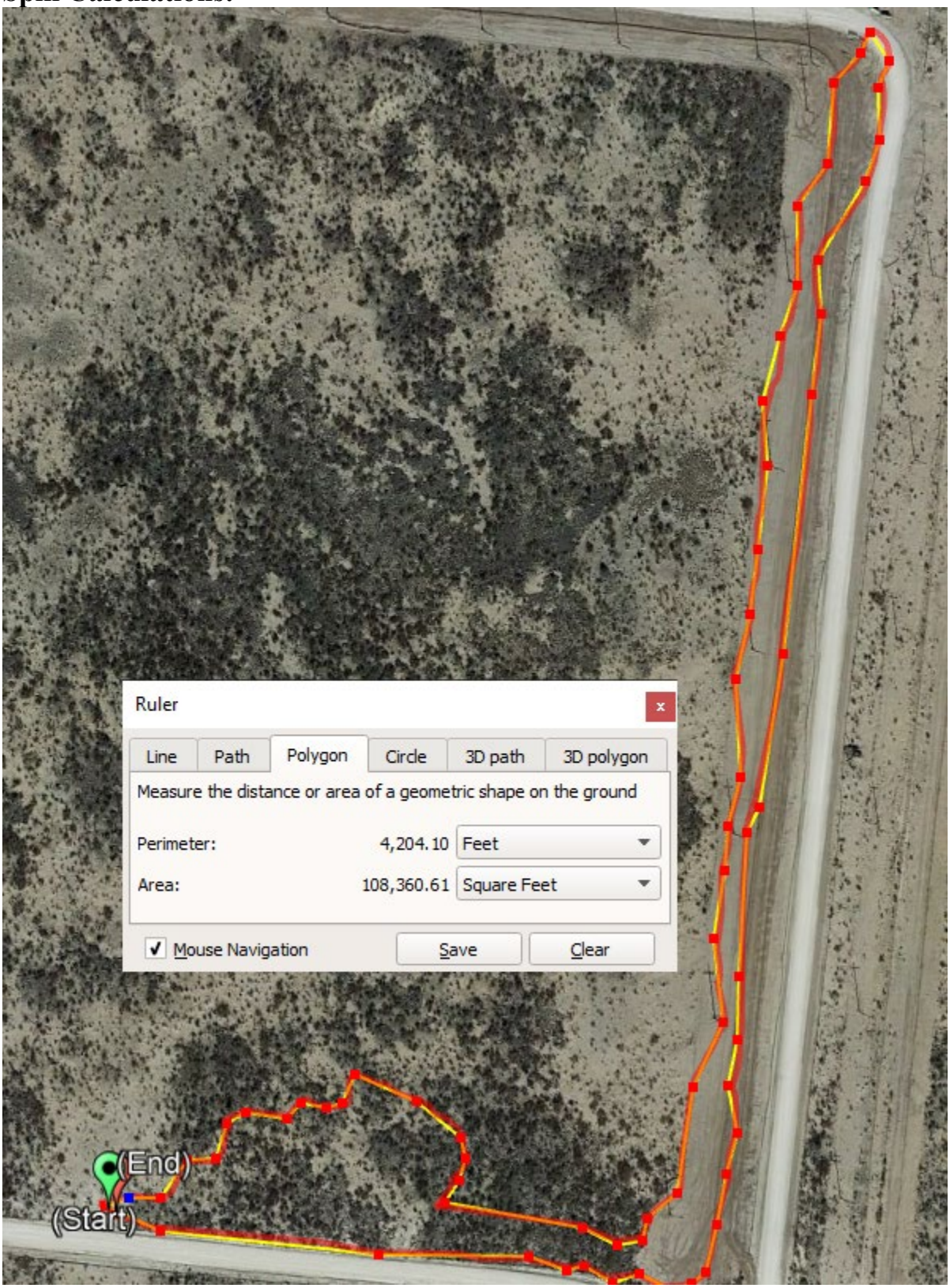
email: ABarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: Jocelyn Harimon Date: 04/27/2022

Incident ID	nAPP2211730678
District RP	
Facility ID	
Application ID	

Spill Calculations:



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 101822

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 101822
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	4/27/2022

APPENDIX B
NMOSE WELLS REPORT

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

2019 NOV -4 PM 4:

STATE ENGINEER OFFICE ROSWELL, NEW MEXICO

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
N/A		C-4371

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Tetra Tech Inc. on behalf of Chevron N.A. E&P Co.	432-687-8130

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
901 W. Wall St. Suite 100	Midland	TX	79706

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	5	41.91	N
	LONGITUDE	104	9	31.92	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND

* DATUM REQUIRED: WGS 84

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

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1456	John W. White	White Drilling Company, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
10/17/2019	10/17/2019		100	69

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

STATIC WATER LEVEL IN COMPLETED WELL (FT): 69

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

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

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

3. ANNULAR MATERIAL

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

FOR OSE INTERNAL USE

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

FILE NO.	C-4371	POD NO.	1	TRN NO.	660311
LOCATION	25S.27E.26.433	WELL TAG ID NO.		PAGE 1 OF 2	

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	5	5	Tan clayey sand	Y ✓ N	
5	100	95	Gypsum	✓ Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

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

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

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

MISCELLANEOUS INFORMATION:

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

Dallas Rader

6. SIGNATURE

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

SIGNATURE OF DRILLER / PRINT SIGNEE NAME

10.28.19
DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/2019)

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

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.): N/A	WELL TAG ID NO.:	OSE FILE NO(S).: C-4371
WELL OWNER NAME(S): Tetra Tech Inc. on behalf of Chevron N.A. E&P Co.		PHONE (OPTIONAL): 432-687-8130
WELL OWNER MAILING ADDRESS: 901 W. Wall St. Suite 100		CITY: Midland STATE: TX ZIP: 79706

WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	
LATITUDE	32	5	41.91	N
LONGITUDE	104	9	31.92	W

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

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

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1456	John W. White	White Drilling Company, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
10/17/2019	10/17/2019		100	69

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☑ SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT): 69

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

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

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

3. ANNULAR MATERIAL

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

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	5	5	Tan clayey sand	Y ✓ N	
5	100	95	Gypsum	✓ Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
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				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

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

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

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

MISCELLANEOUS INFORMATION:

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

Dallas Rader

6. SIGNATURE

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

SIGNATURE OF DRILLER / PRINT SIGNEE NAME

10.28.19
DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/2019)

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

APPENDIX C

ENVIROTECH SITE ASSESSMENT

Remediation Excavation and Closure Plan

Chevron – Hayhurst Pad 10

Incident #nAPP2211730678
Unit O, Section 26, T25S, R27E
Eddy County, New Mexico
August 24, 2022

Ms. Kayla Atkinson
SwiftWater HSEQ Specialist
2401 North County Road 1287
Midland, Texas 79707
Phone: (830) 570-5220
E-mail: katkinson@swiftwater.com

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Table of Contents

Tetra Technologies - Chevron
Hayhurst Pad 10 Produced Water Release Remediation Plan
Incident # nAPP2211730678
Unit O, Section 26, T25S, R27E
Eddy County, New Mexico

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Location

The subject site is identified as the Hayhurst Pad 10 Produced Water Spill and is located within Unit I and O, Section 26, Township 25 South, Range 27 East, Eddy County, New Mexico. The site location is further described as beginning at 32.09802, -104.15239 and terminating at 32.0946719, -104.154604; see **Figure 1, Vicinity Map**.

Background

On April 12, 2022, a release of produced water occurred at Chevron's Hayhurst Pad 10 due to a pressure spike causing a layflat head to separate. Approximately 566 barrels of produced water were released, and visible surface impact included an approximately 2,700 feet in length and averaging 20 feet in width. Crews were able to quickly shut down operations, clamp the hose, and make repairs to the connection.

Surface and Ground Water

Based on information provided by the United States Department of Agriculture Natural Resources Conservation Service (NRCS) Web Soil Survey, the soils predominant at the site is the Reeves-Reagan loams which consists of residuum weathered from gypsum.

The subject site is 4,662 feet west of a livestock tank (Apple Tank), and 1,074 feet east of a water well (C-04371). The depth to water in the water well is recorded at 69 feet on October 16, 2019. Therefore, depth to water at the subject site is estimated to be greater than 51 feet below ground surface (bgs) and less than 100 feet bgs. Additionally, the release site is located in a high karst occurrence location; therefore, the most stringent release closure criteria is applicable for any subsequent remediation efforts. Siting criteria documentation for the subject well site is provided in **Appendix A, Siting Documentation.**

Regulatory Standards

Based on the release being mostly confined to the upper 4 feet and in a high karst potential location, the closure criteria for the site were based on the following standards (*19.15.29.12 and 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

Site Characterization-Delineation

Release delineation activities were conducted from August 8 through 11, 2022, which included utilizing hand tools and a trackhoe to advance test holes in proximity of the release path to determine the horizontal and vertical extents of the release.

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 along the central axis of the release path (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 twenty-three (23) test holes (TH) were excavated in proximity of the spill path. Two samples were collected for laboratory analysis from each test hole, except for TH-22 and TH-23. The sample depth was limited in these test holes due to safety restrictions from buried pipelines. 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 47,600 mg/kg in TH-8 0". Analytical results are summarized in **Table 1, *Summary of Soil Analytical Results*** and **Appendix D, Laboratory Analytical Report.**

The original spill path was mapped out by Tetra Tech representatives, and the flow path was used to guide horizontal delineation efforts. Field screening and laboratory samples, correspond to the horizontal spill path originally mapped by Tetra Tech. The spill map will also be used to guide the horizontal extents of the remediation excavation.

Based on field screening and confirmation samples collected, contaminants of concern are below regulatory limits at 4 feet bgs throughout the release footprint. However, chloride above 600 mg/kg was recorded at 2 feet bgs in TH 12, 14, 18, and 20; which correspond to areas where the released fluid had ponded along the right-of-way. A majority of the remediation efforts are anticipated to be in the upper 2 feet of the release path, with sections extending to 2 to 3 feet bgs.

Remediation Plan

The spill footprint is estimated at 108,000 square feet to an average depth of 2 feet; therefore, it is estimated approximately 8,000 cubic yards of soil has been impacted. To successfully mitigate chloride contamination, and to protect public health and the environment, Tetra Tech/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 1.5 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. 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 soil shredding and 3 Tier Technologies SA-2000 is the proposed alternative method. Soil shredding involves excavating impacted soil; mechanically grinding the soil; adding the appropriate soil amendment for the contaminates of concern in a liquid form; and allowing the treated soil to react. In the case of chloride impacted soils, the excavation and treatment process can be completed in approximately 10 to 20 days for the subject volume of soil. Further information regarding SA-2000 is provided in **Appendix E**.~~

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. Chevron is requesting a variance to the 200

square foot confirmation sampling requirement for the area to be excavated, which would require over 540 base samples within the excavation footprint. Chevron 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 contaminants of concern provided in *Table 1* of *19.15.29.12 NMAC*. If laboratory analytical results indicate concentrations of TPH, benzene, total BTEX, and chloride are below Table 1 criteria, the site will be backfilled with non-impacted soil.

Site Closure

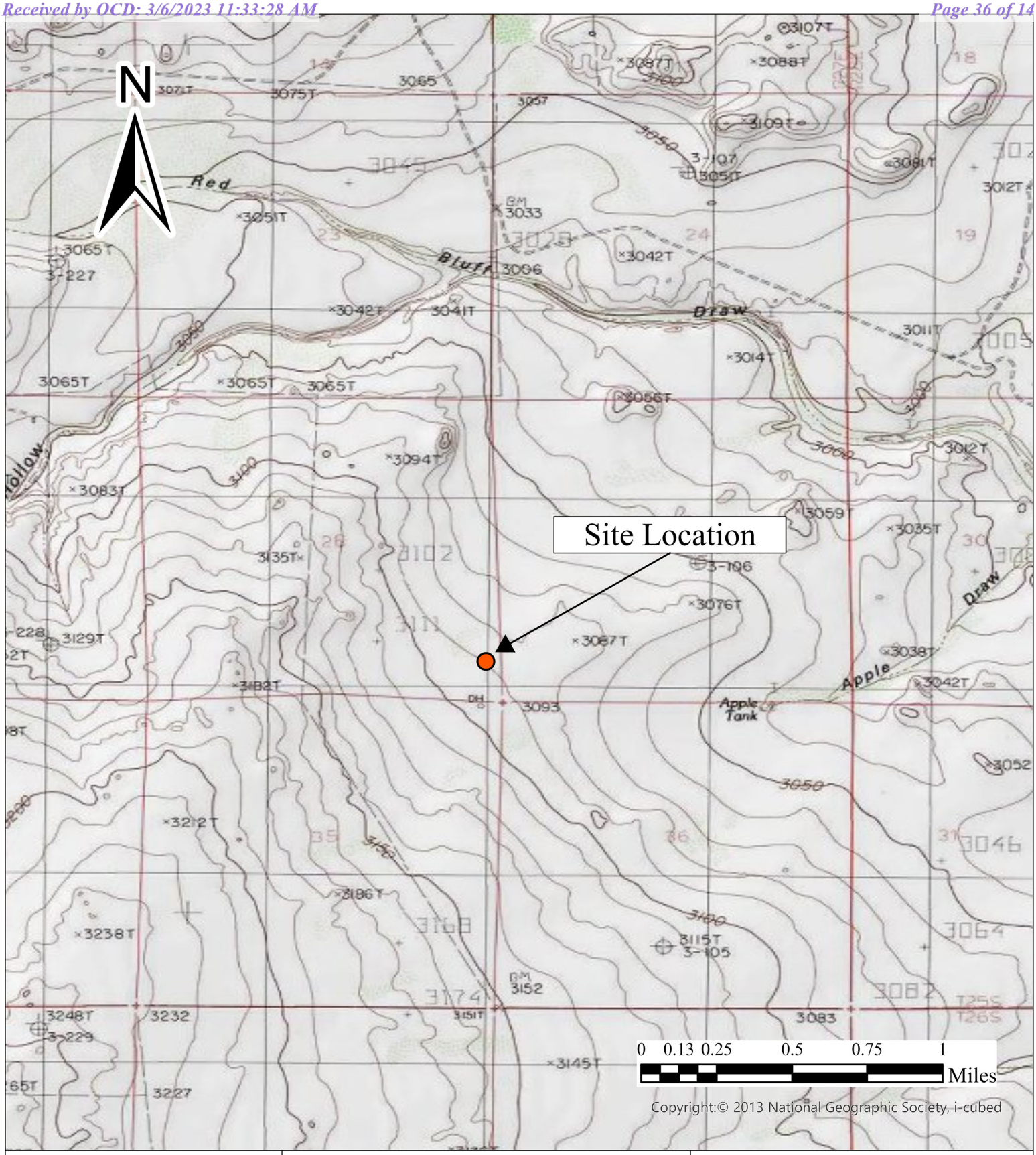
Upon completion of the remediation activities, Tetra Tech/Chevron will submit a Form C-141/Closure to the NMOCD, including the Closure Report Attachment Checklist. The site will be reclaimed in accordance with 19.15.29.13 NMAC.

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

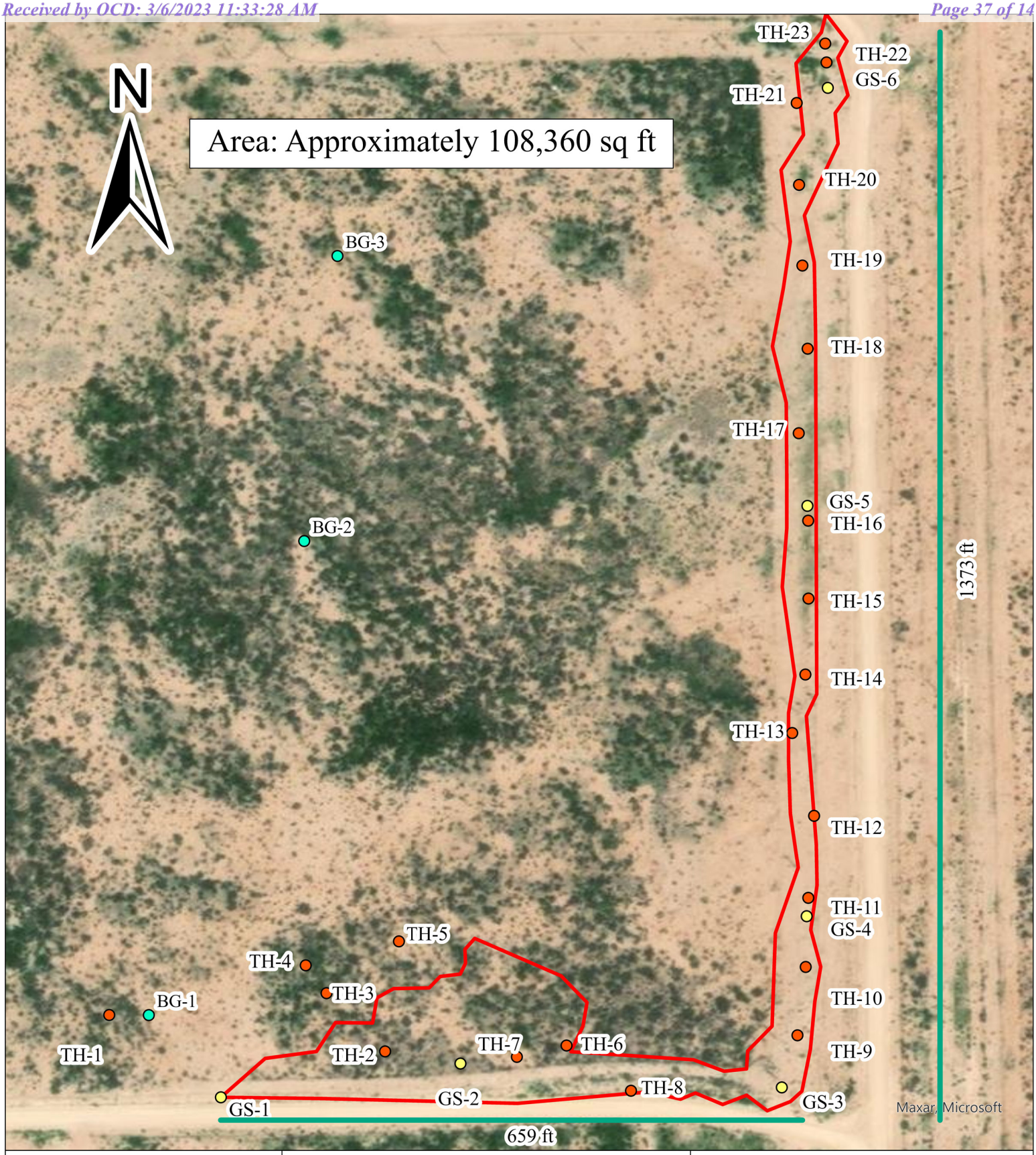
- Site Location

Figure 1, Vicinity Map

Hayhurst Pad 10
Site Characterization/Delineation
Section 26, Township 25S, Range 27E
Eddy County, New Mexico
32.0946719, -104.1546041
Project #21016-0002

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

Date Drawn: 08/19/2022
Drawn by: C. Todacheenie



0 32 64 128 192 256 Feet

Legend

- Test Hole
- Background
- Grab Sample
- Spill Path

Figure 2, Site Map

Hayhurst Pad 10
Site Characterization/Delineation
Section 26, Township 25S, Range 27E
Eddy County, New Mexico
32.0946719, -104.1546041
Project #21016-0002

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

Date Drawn: 08/19/2022
Drawn by: C. Todacheenie

Tables

Table 1, Summary of Soil Analytical Results

Table 1, Summary of Soil Analytical Results
Hayhurst Pad 10 Site Delineation
Unit O, Section 26, Township 25S, Range 27E
Eddy County, New Mexico
Incident #nAPP2211730678

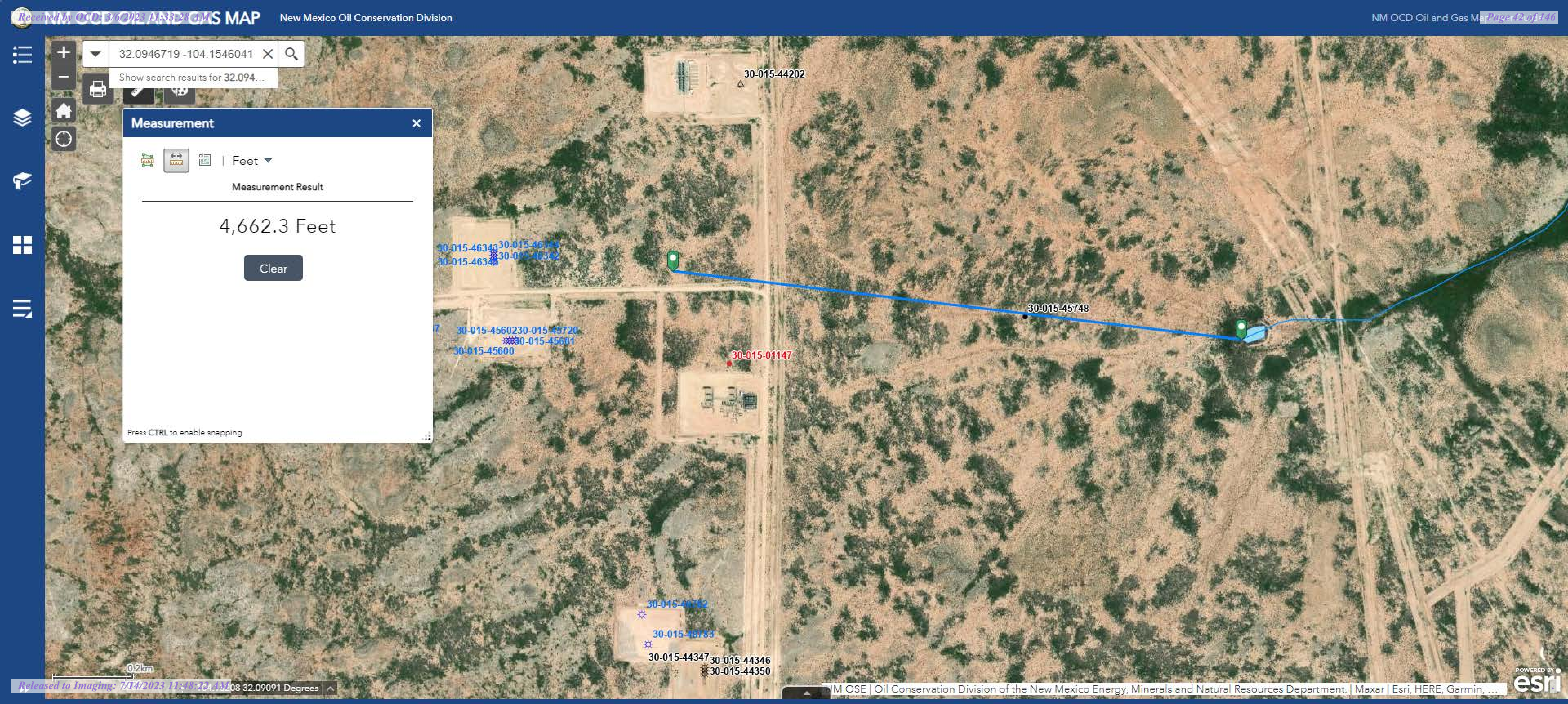
Laboratory Sample ID	Date	Sample Description	EPA Method 8015			EPA Method 8021		EPA Method 300.0
			GRO	DRO	ORO	Benzene	Total BTEX	Chlorides
		NMOCD Release Closure Criteria (Table 1 - 19.15.29.12 NMAC)	*100 mg/kg*			*10 mg/kg*	*50 mg/kg*	*600 mg/kg*
BG-1	8/8/2022	Surface (0.0 - 0.25 ft)	N/A	N/A	N/A	N/A	N/A	<20.0
BG-2			N/A	N/A	N/A	N/A	N/A	<20.0
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	<20.0
GS-2			<20.0	<25.0	<50.0	<0.0250	<0.100	**8,660**
GS-3			<20.0	<25.0	<50.0	<0.0250	<0.100	**6,500**
GS-4			<20.0	<25.0	<50.0	<0.0250	<0.100	**17,300**
GS-5			<20.0	<25.0	<50.0	<0.0250	<0.100	**5,560**
GS-6			<20.0	<25.0	<50.0	<0.0250	<0.100	**5,380**
TH-1 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-1 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-2 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**13,600**
TH-2 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	109
TH-3 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**11,600**
TH-3 4'		4 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-4 0"	8/10/2022	Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-4 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-5 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-5 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-6 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**12,500**
TH-6 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	214
TH-7 0'		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**7,500**
TH-7 4'		4 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-8 0"		Surface (0.0 - 0.25 ft)	<20.0	27.1	<50.0	<0.0250	<0.100	**47,600**
TH-8 10"		0.83 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	**7,580**
TH-9 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**12,100**
TH-9 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	120
TH-10 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**8,460**
TH-10 4'		4 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-11 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**12,700**
TH-11 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	472
TH-12 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**8,510**
TH-12 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	**1,010**
TH-13 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**8,850**
TH-13 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	499
TH-14 0"	8/11/2022	Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	211
TH-14 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	**12,400**
TH-15 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**1,500**
TH-15 4'		4 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	518
TH-16 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**7,200**
TH-16 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	264
TH-17 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**7,520**
TH-17 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	528
TH-18 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**791**
TH-18 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	**13,900**
TH-19 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**6,430**
TH-19 4'		4 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	56.9
TH-20 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**25,800**
TH-20 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	**1,090**
TH-21 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-21 2'		2 feet BGS	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0
TH-22 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	**2,090**
TH-23 0"		Surface (0.0 - 0.25 ft)	<20.0	<25.0	<50.0	<0.0250	<0.100	<20.0

N/A - Not Analyzed

Appendix A

Siting Criteria

Site Name:	**Chevron Hayhurst SWD**			
API #:				
Lat/Long:	33.09467, -104.15460			
TRS:	Unti O Sec26 T25S R27E			
Land Jurisdiction:	State			
County:	Eddy			
Wellhead Protection Area Assessment				
Water Source Type (well/spring/stock pond)	**ID**	**Latitude**	**Longitude**	**Distance**
Distance to Nearest Significant Watercourse				
Livestock Tank - 4,662 ft				
Depth to Groundwater Determination				
Cathodic Report/Site Specific Hydrogeology				
Elevation Differential	29' Higher than site			
Water Wells	C-04371-POD1 Distance=1,076' DTW=69'(2019)			
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				Yes
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**	


NM OCD OIL AND GAS MAP
New Mexico Oil Conservation Division
32.0946719 -104.1546041
Show search results for 32.094...
Measurement
Feet
Measurement Result
4,662.3 Feet
Clear
Press CTRL to enable snapping
30-015-44202
30-015-45748
30-015-01147
30-015-46343
30-015-45600
30-015-44347
30-015-44346
30-015-44350
0.2km
32.09091 Degrees
NM OSE | Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department. | Maxar | Esri, HERE, Garmin, ...

Measurement

Feet

Measurement Result

1,076.1 Feet

Clear

Press CTRL to enable snapping

Find address or place

04371-POD1

1:4513

300ft

-104.148 32.098 Degrees

Meyer | Esri, HERE, GeoTechnologies, Inc. | U.S. Department of Energy Office of Legacy Management | OSE Dam Sa...

New Mexico Office of the State Engineer
Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
NA	C 04371 POD1	3	3	4	26	25S	27E	579369	3551272

Driller License: 1456 **Driller Company:** WHITE DRILLING COMPANY

Driller Name: WHITE, JOHNNOWN.GENER

Drill Start Date: 10/17/2019 **Drill Finish Date:** 10/17/2019 **Plug Date:** 10/17/2019

Log File Date: 11/04/2019 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: **Depth Well:** 100 feet **Depth Water:** 69 feet

Water Bearing Stratifications:	Top	Bottom	Description
	5	100	Other/Unknown

National Flood Hazard Layer FIRMette

FEMA

104°9'35"W 32°5'56"N

104°8'58"W 32°5'26"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 8/22/2022 at 4:30 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.

Appendix B

Field Notes

CLIENT: TETRA TECH	envirotech		Envmtl. Spclst: K. SANCHEZ
CLIENT/JOB #: 21016-0002			Onsite: 7:32 Offsite:
START DATE: 8-8-22	505-632-0615	1-800-362-1879	LAT: 32.0946719
FINISH DATE: 8-11-22	5796 US Highway 64		LONG: -104.1546041
Page # 1 of 3	Farmington, NM 87401		

LOCATION: Name: HAYHURST PAD Well #: 10 API:
County: EDDY State: NM HWY-MM:
Cause of Release: Material Released: PRODUCED WATER Amt. Released: 56 BBL
QUAD/UNIT: SEC: 26 TWP: 25S RNG: 27E PM:
Spill Located Approximately: FT. FROM
Excavation Approx: FT. X FT. X FT. Volume (cy/tons):
Disposal Facility:
Land Use: Land Owner: STATE
REGULATORY AGENCY: NMOCD TPH CLOSURE STD:
ADDITIONAL CLOSURE REQUIREMENTS:

			VOC		TPH (Method 418.1)			Chloride	
SAMPLE NAME	TIME COLLECTED	DESCRIPTION	TIME	PID/OV ppm	TIME	READING	CALC ppm	TIME	mg/kg
BG-1	9:08	BACKGROUND 1						9:26	<32
BG-2	9:26	BACKGROUND 2						9:41	<32
BG-3	9:45	BACKGROUND 3						9:54	<32
GS-1	10:06	4" BGS	10:30	0.0	10:24	02	08	10:15	<32
GS-2	10:41	4" BGS	11:03	0.0	11:06	17	68	10:55	>6145
GS-3	11:12	4" BGS	11:34	0.0	11:30	91	364	11:20	5396
GS-4	11:44	4" BGS	12:02	0.0	11:55	46	184	11:52	6145
GS-5	12:10	4" BGS	12:30	0.0	12:24	29	116	12:20	3578
GS-6	12:44	4" BGS	13:09	0.0	13:03	09	36	13:00	4328
~~TH~~-1 0"	13:29	SURFACE	13:43	0.0	13:45	00	00	13:40	61
TH-~~1~~ 2'	13:47	2' BGS	14:03	0.0	14:01	01	04	13:53	61

NOTES: *Include laboratory analysis information*

CS-COMPOSITE SAMPLE
GS-GRAB SAMPLE
SB-SOIL BORING
TP-TEST PIT
DU- DECISION UNIT
ST-STATION

200 STD. → 191 (10:20)

CLIENT: TETRA TECH	envirotech	Envmtl. Spclst: K SANCHEZ	
CLIENT/JOB #: 21016-0002	505-632-0615 | 1-800-362-1879	Site Name: HAYHURST PAD 10	
START DATE: 8-8-22	5796 US Highway 64	LAT	
FINISH DATE: 8-10-22	Farmington, NM 87401	LONG	
Page # 2 of 3			

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
8-8 TH-2 0"	14:30	SURFACE	14:42	0.0	14:48	6	24	14:44	>6145
TH-2 2'	14:50	2' BGS	15:11	0.0	15:09	0	0	15:03	89
TH-3 0"	15:34	SURFACE	15:52	0.0	15:49	21	84	15:45	6145
TH-3 2'	15:54	2' BGS	16:20	0.0	16:13	10	40	16:08	6145
TH-3 4'	16:38	4' BGS	16:55	0.0	16:53	09	36	16:50	147
8-9 NO FIELD ACTIVITIES									
8-10 TH-4 0"	10:06	SURFACE	10:26	0.0	10:20	29	116	10:22	<32
TH-4 2'	10:29	2' BGS	10:41	0.0	10:39	24	96	10:44	<32
TH-5 0"	10:45	SURFACE						11:06	<32
TH-5 2'	10:47	2' BGS						11:09	<32
TH-6 0"	11:30	SURFACE						11:42	7638
TH-6 2'	11:33	2' BGS						16:45	255
TH-7 0"	12:02	SURFACE						12:14	6145
TH-7 2'	12:04	2' BGS						12:19	1192
TH-7 4'	12:25	4' BGS						12:45	79
TH-8 0"	13:08	SURFACE						13:22	>6145
TH-8 10"	13:14	10" BGS						13:26	4808
TH-9 0"	13:55	SURFACE						14:20	76145
TH-9 2'	13:57	2' BGS						14:28	174
TH-10 0"	14:39	SURFACE						15:01	>6145
TH-10 2'	14:41	2' BGS						15:05	4808
TH-10 4'	15:13	4' BGS						15:33	174
TH-11 0"	15:55	SURFACE						16:16	76145
TH-11 2'	15:57	2' BGS						16:19	8678
TH-12 0"	16:37	SURFACE						16:55	6145
TH-12 2'	16:39	2' BGS						16:58	443
TH-13 0"	17:05	SURFACE						17:22	76145
TH-13 2'	17:07	2' BGS						17:25	443

NOTES: *Include laboratory analysis information*

*HAD TO RECALIBRATE INFRACAL WHILE RUNNING TH-2 SAMPLES. (14:40)
200 STD → 184 (10:16)

Revised 6/14/2021

CLIENT: TETRA TECH	envirotech	Envmtl. Spclst: K. SANCHEZ	
CLIENT/JOB #: 210116-0002	505-632-0615 | 1-800-362-1879	Site Name: HAYHURST PAD 10	
START DATE: 8-11-22	5796 US Highway 64	LAT	
FINISH DATE: 8-11-22	Farmington, NM 87401	LONG	
Page # 3 of 3			

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
8-11 TH-1 0"	4:08	SURFACE						9:32	>6145
TH-1 2'	9:10	2' BGS						9:34	147
TH-15 0'	9:42	SURFACE						9:59	606
TH-15 2'	9:44	2' BGS						10:04	1288
TH-15 4'	10:09	4' BGS						10:25	413
TH-16 0"	10:40	SURFACE						11:04	6145
TH-16 2'	10:44	2' BGS						11:09	255
TH-17 0"	12:02	SURFACE						12:20	6145
TH-17 2'	12:04	2' BGS						12:24	509
TH-18 0"	12:36	SURFACE						12:56	>6145
TH-18 2'	12:38	2' BGS						13:00	413
TH-19 0"	13:35	SURFACE						13:57	76145
TH-19 2'	13:37	2' BGS						14:00	1619
TH-19 4'	14:08	4' BGS						14:22	45
TH-20 0"	15:32	SURFACE						15:50	76145
TH-20 2'	15:35	2' BGS						15:54	638
TH-21 0"	16:04	SURFACE						16:20	<32
TH-21 2'	16:06	2' BGS						16:21	<32
TH-22 0"	17:01	SURFACE						17:19	1619
TH-23 0"	17:05	SURFACE						17:22	<32

NOTES: *Include laboratory analysis information*

TH-22 AND TH-23 ONLY COLLECTED SURFACE SAMPLES FOR DELINEATION DUE TO LOW ACCESS W/ ~~BACKHOE~~ TRACKHOE. OHW AND UNDERGROUND LINES IN WAY.

Revised 6/14/2021

Appendix C

Site Photography

Site Photography
Tetra Tech
Eddy County, New Mexico
Site Characterization/Delineation
Project #21016-0002
August 15, 2022

Picture 1: Overview of Spill Path

Picture 2: Example TH-11 @ 2'

envirotech
Practical Solutions for a Better Tomorrow

Site Photography
Tetra Tech
Eddy County, New Mexico
Site Characterization/Delineation
Project #21016-0002
August 15, 2022

Picture 3: Example TH-3 @4’

Picture 4: Example BG-1

envirotech
Practical Solutions for a Better Tomorrow

Site Photography
Tetra Tech
Eddy County, New Mexico
Site Characterization/Delineation
Project #21016-0002
August 15, 2022

Picture 5: Example TH -10 @ 4’

Appendix D

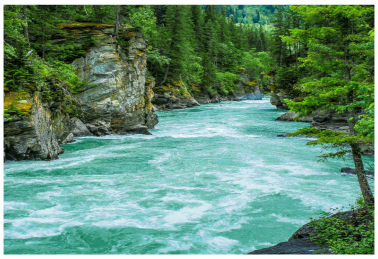
Laboratory Analytical Reports

envirotech

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:	Hayhurst Pad 10
Work Order:	E208073
Job Number:	21016-0002
Received:	8/12/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/19/22

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: 8/19/22

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

Project Name: Hayhurst Pad 10
Workorder: E208073
Date Received: 8/12/2022 3:01:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/12/2022 3:01:00PM, under the Project Name: Hayhurst Pad 10.

The analytical test results summarized in this report with the Project Name: Hayhurst Pad 10 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
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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:	Hayhurst Pad 10	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0002	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	08/19/22 14:19

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG-1	E208073-01A	Soil	08/08/22	08/12/22	Glass Jar, 2 oz.
BG-2	E208073-02A	Soil	08/08/22	08/12/22	Glass Jar, 2 oz.
BG-3	E208073-03A	Soil	08/08/22	08/12/22	Glass Jar, 2 oz.
GS-1	E208073-04A	Soil	08/08/22	08/12/22	Glass Jar, 2 oz.
GS-2	E208073-05A	Soil	08/08/22	08/12/22	Glass Jar, 2 oz.
GS-3	E208073-06A	Soil	08/08/22	08/12/22	Glass Jar, 2 oz.
GS-4	E208073-07A	Soil	08/08/22	08/12/22	Glass Jar, 2 oz.
GS-5	E208073-08A	Soil	08/08/22	08/12/22	Glass Jar, 2 oz.
GS-6	E208073-09A	Soil	08/08/22	08/12/22	Glass Jar, 2 oz.
TH-1 0"	E208073-10A	Soil	08/08/22	08/12/22	Glass Jar, 2 oz.
TH-1 2'	E208073-11A	Soil	08/08/22	08/12/22	Glass Jar, 2 oz.
TH-2 0"	E208073-12A	Soil	08/08/22	08/12/22	Glass Jar, 2 oz.
TH-2 2'	E208073-13A	Soil	08/08/22	08/12/22	Glass Jar, 2 oz.
TH-3 0"	E208073-14A	Soil	08/08/22	08/12/22	Glass Jar, 2 oz.
TH-3 4'	E208073-15A	Soil	08/08/22	08/12/22	Glass Jar, 2 oz.
TH-4 0"	E208073-16A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
TH-4 2'	E208073-17A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
TH-5 0"	E208073-18A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
TH-5 2'	E208073-19A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
TH-6 0"	E208073-20A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
TH-6 2'	E208073-21A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:19:12PM

BG-1

E208073-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234018
Chloride	ND	20.0	1	08/15/22	08/16/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:19:12PM

BG-2

E208073-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234018
Chloride	ND	20.0	1	08/15/22	08/16/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:19:12PM

BG-3

E208073-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234018
Chloride	ND	20.0	1	08/15/22	08/16/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:19:12PM

GS-1

E208073-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/16/22	
Surrogate: n-Nonane		*78.8 %*	*50-200*	*08/15/22*	*08/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234018
Chloride	ND	20.0	1	08/15/22	08/16/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:19:12PM

GS-2

E208073-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*99.6 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*99.6 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/16/22	
Surrogate: n-Nonane		*83.0 %*	*50-200*	*08/15/22*	*08/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234018
Chloride	**8660**	200	10	08/15/22	08/16/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:19:12PM

GS-3

E208073-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene	*99.5 %*	*70-130*		*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4	*97.2 %*	*70-130*		*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8	*104 %*	*70-130*		*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene	*99.5 %*	*70-130*		*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4	*97.2 %*	*70-130*		*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8	*104 %*	*70-130*		*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/16/22	
Surrogate: n-Nonane	*77.5 %*	*50-200*		*08/15/22*	*08/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234018
Chloride	**6500**	400	20	08/15/22	08/16/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:19:12PM

GS-4

E208073-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*99.1 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.2 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*99.1 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.2 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/16/22	
Surrogate: n-Nonane		*77.7 %*	*50-200*	*08/15/22*	*08/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234018
Chloride	**17300**	1000	50	08/15/22	08/16/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:19:12PM

GS-5

E208073-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/16/22	
Surrogate: n-Nonane		*77.4 %*	*50-200*	*08/15/22*	*08/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234018
Chloride	**5560**	400	20	08/15/22	08/16/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:19:12PM

GS-6

E208073-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/16/22	
Surrogate: n-Nonane		*73.1 %*	*50-200*	*08/15/22*	*08/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234018
Chloride	**5380**	200	10	08/15/22	08/16/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:19:12PM

TH-1 0''

E208073-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*98.8 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*98.8 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/16/22	
Surrogate: n-Nonane		*80.3 %*	*50-200*	*08/15/22*	*08/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234018
Chloride	ND	20.0	1	08/15/22	08/16/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:19:12PM

TH-1 2'

E208073-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*98.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*98.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/16/22	
Surrogate: n-Nonane		*77.3 %*	*50-200*	*08/15/22*	*08/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234018
Chloride	ND	200	10	08/15/22	08/16/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:19:12PM

TH-2 0''

E208073-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.4 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.4 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/17/22	
Surrogate: n-Nonane		*73.2 %*	*50-200*	*08/15/22*	*08/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234018
Chloride	**13600**	400	20	08/15/22	08/16/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:19:12PM

TH-2 2'

E208073-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*99.8 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*99.8 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.1 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/17/22	
Surrogate: n-Nonane		*82.3 %*	*50-200*	*08/15/22*	*08/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234018
Chloride	**109**	20.0	1	08/15/22	08/16/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:19:12PM

TH-3 0''

E208073-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*99.5 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*99.5 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/17/22	
Surrogate: n-Nonane		*77.7 %*	*50-200*	*08/15/22*	*08/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234018
Chloride	**11600**	400	20	08/15/22	08/16/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:19:12PM

TH-3 4'

E208073-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/17/22	
Surrogate: n-Nonane		*96.6 %*	*50-200*	*08/15/22*	*08/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234018
Chloride	ND	200	10	08/15/22	08/16/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:19:12PM

TH-4 0"

E208073-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/17/22	
Surrogate: n-Nonane		*94.8 %*	*50-200*	*08/15/22*	*08/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234018
Chloride	ND	20.0	1	08/15/22	08/16/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:19:12PM

TH-4 2'

E208073-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*98.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*98.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/17/22	
Surrogate: n-Nonane		*85.7 %*	*50-200*	*08/15/22*	*08/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234018
Chloride	ND	200	10	08/15/22	08/16/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:19:12PM

TH-5 0''

E208073-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/17/22	
Surrogate: n-Nonane		*85.5 %*	*50-200*	*08/15/22*	*08/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234018
Chloride	ND	20.0	1	08/15/22	08/16/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:19:12PM

TH-5 2'

E208073-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Benzene	ND	0.0250	1	08/15/22	08/17/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/17/22	
Toluene	ND	0.0250	1	08/15/22	08/17/22	
o-Xylene	ND	0.0250	1	08/15/22	08/17/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/17/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/17/22	
Surrogate: Bromofluorobenzene		*98.4 %*	*70-130*	*08/15/22*	*08/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*70-130*	*08/15/22*	*08/17/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*08/15/22*	*08/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/17/22	
Surrogate: Bromofluorobenzene		*98.4 %*	*70-130*	*08/15/22*	*08/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.8 %*	*70-130*	*08/15/22*	*08/17/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*08/15/22*	*08/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/17/22	
Surrogate: n-Nonane		*79.5 %*	*50-200*	*08/15/22*	*08/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234018
Chloride	ND	200	10	08/15/22	08/16/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:19:12PM

TH-6 0''

E208073-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Benzene	ND	0.0250	1	08/15/22	08/17/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/17/22	
Toluene	ND	0.0250	1	08/15/22	08/17/22	
o-Xylene	ND	0.0250	1	08/15/22	08/17/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/17/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/17/22	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*08/15/22*	*08/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*08/15/22*	*08/17/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/17/22	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*08/15/22*	*08/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*08/15/22*	*08/17/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/17/22	
Surrogate: n-Nonane		*87.1 %*	*50-200*	*08/15/22*	*08/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234018
Chloride	**12500**	400	20	08/15/22	08/17/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:19:12PM

TH-6 2'

E208073-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Benzene	ND	0.0250	1	08/15/22	08/17/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/17/22	
Toluene	ND	0.0250	1	08/15/22	08/17/22	
o-Xylene	ND	0.0250	1	08/15/22	08/17/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/17/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/17/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*08/15/22*	*08/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*08/15/22*	*08/17/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*08/15/22*	*08/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234017
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/17/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*08/15/22*	*08/17/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*	*70-130*	*08/15/22*	*08/17/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*08/15/22*	*08/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234004
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/17/22	
Surrogate: n-Nonane		*79.1 %*	*50-200*	*08/15/22*	*08/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234020
Chloride	**214**	200	10	08/15/22	08/18/22	

QC Summary Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0002	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:19:12PM

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 (2234017-BLK1)									Prepared: 08/15/22 Analyzed: 08/16/22
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	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.498*		*0.500*		*99.5*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			
LCS (2234017-BS1)									Prepared: 08/15/22 Analyzed: 08/16/22
Benzene	2.48	0.0250	2.50		99.1	70-130			
Ethylbenzene	2.60	0.0250	2.50		104	70-130			
Toluene	2.51	0.0250	2.50		100	70-130			
o-Xylene	2.43	0.0250	2.50		97.1	70-130			
p,m-Xylene	4.80	0.0500	5.00		96.1	70-130			
Total Xylenes	7.23	0.0250	7.50		96.4	70-130			
Surrogate: Bromofluorobenzene	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		*0.500*		*96.2*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			
LCS Dup (2234017-BSD1)									Prepared: 08/15/22 Analyzed: 08/16/22
Benzene	2.56	0.0250	2.50		102	70-130	3.08	23	
Ethylbenzene	2.63	0.0250	2.50		105	70-130	0.898	27	
Toluene	2.55	0.0250	2.50		102	70-130	1.52	24	
o-Xylene	2.47	0.0250	2.50		98.8	70-130	1.71	27	
p,m-Xylene	4.90	0.0500	5.00		97.9	70-130	1.88	27	
Total Xylenes	7.37	0.0250	7.50		98.2	70-130	1.82	27	
Surrogate: Bromofluorobenzene	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.494*		*0.500*		*98.7*	*70-130*			
Surrogate: Toluene-d8	*0.523*		*0.500*		*105*	*70-130*			

QC Summary Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0002	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:19:12PM

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 (2234017-BLK1)									Prepared: 08/15/22 Analyzed: 08/16/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.498*		*0.500*		*99.5*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			
LCS (2234017-BS2)									Prepared: 08/15/22 Analyzed: 08/16/22
Gasoline Range Organics (C6-C10)	57.4	20.0	50.0		115	70-130			
Surrogate: Bromofluorobenzene	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.468*		*0.500*		*93.5*	*70-130*			
Surrogate: Toluene-d8	*0.523*		*0.500*		*105*	*70-130*			
LCS Dup (2234017-BSD2)									Prepared: 08/15/22 Analyzed: 08/16/22
Gasoline Range Organics (C6-C10)	56.3	20.0	50.0		113	70-130	2.10	20	
Surrogate: Bromofluorobenzene	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.480*		*0.500*		*95.9*	*70-130*			
Surrogate: Toluene-d8	*0.527*		*0.500*		*105*	*70-130*			

QC Summary Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0002	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:19:12PM

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 (2234004-BLK1)									Prepared: 08/15/22 Analyzed: 08/16/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*39.2*		*50.0*		*78.4*	*50-200*			
LCS (2234004-BS1)									Prepared: 08/15/22 Analyzed: 08/16/22
Diesel Range Organics (C10-C28)	220	25.0	250		88.1	38-132			
Surrogate: n-Nonane	*38.3*		*50.0*		*76.7*	*50-200*			
Matrix Spike (2234004-MS1)				**Source: E208073-11**					Prepared: 08/15/22 Analyzed: 08/16/22
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.6	38-132			
Surrogate: n-Nonane	*40.3*		*50.0*		*80.5*	*50-200*			
Matrix Spike Dup (2234004-MSD1)				**Source: E208073-11**					Prepared: 08/15/22 Analyzed: 08/16/22
Diesel Range Organics (C10-C28)	224	25.0	250	ND	89.5	38-132	8.66	20	
Surrogate: n-Nonane	*34.8*		*50.0*		*69.6*	*50-200*			

QC Summary Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0002	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:19:12PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2234018-BLK1)									Prepared: 08/15/22 Analyzed: 08/16/22
Chloride	ND	20.0							
LCS (2234018-BS1)									Prepared: 08/15/22 Analyzed: 08/16/22
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2234018-MS1)				**Source: E208073-01**					Prepared: 08/15/22 Analyzed: 08/16/22
Chloride	255	20.0	250	ND	102	80-120			
Matrix Spike Dup (2234018-MSD1)				**Source: E208073-01**					Prepared: 08/15/22 Analyzed: 08/16/22
Chloride	254	20.0	250	ND	102	80-120	0.0904	20	

QC Summary Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0002	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:19:12PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2234020-BLK1)									Prepared: 08/15/22 Analyzed: 08/17/22
Chloride	ND	20.0							
LCS (2234020-BS1)									Prepared: 08/15/22 Analyzed: 08/17/22
Chloride	245	20.0	250		97.9	90-110			
Matrix Spike (2234020-MS1)				**Source: E208073-21**					Prepared: 08/15/22 Analyzed: 08/18/22
Chloride	477	200	250	214	105	80-120			
Matrix Spike Dup (2234020-MSD1)				**Source: E208073-21**					Prepared: 08/15/22 Analyzed: 08/18/22
Chloride	564	200	250	214	140	80-120	16.6	20	M2

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:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	08/19/22 14:19

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
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 1 of 6

Client: TETRA TECH
Project: HAYHURST PAD 10
Project Manager: ~~Felipe Aragon~~ GREG CRABTREE
Address:
City, State, Zip
Phone:
Email: Faragon Tknight Gcrabtree Bhall Igarcia KSanchez Dcarter
Report due by:

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

Lab Use Only
Lab WO# E208073
Job Number 21016-0002

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

EPA Program: CWA | SDWA | RCRA (X)

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

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	8260	8270	8015 (DRO/GRO/ORO)	8021	Chlorides	BDGOC					Remarks
9:08	8-8-22	S	1	BG-1	1					(X)	X					
9:26				BG-2	2					(X)						
9:45				BG-3	3					(X)						
10:06				GS-1	4						X					
10:41				GS-2	5						X					
11:12				GS-3	6						X					
11:44				GS-4	7						X					
12:10				GS-5	8						X					
12:44				GS-6	9						X					
13:29				TH-1 0"	10						X					
13:47				TH-1 2'	11						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: K. SANCHEZ

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
	8-12-22	15:01		8/12/22	15:01
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
Project: HAYHURST PAD 10	Attention:	Lab WO# E208073
Project Manager: Greg Crabtree	Address:	Job Number 21016-0002
Address:	City, State, Zip	
City, State, Zip	Phone:	
Phone:	Email:	
Email: Tknight Gcrabtree Bhall Igarcia KSanchez Dcarter		
Report due by:		

TAT				EPA Program	
1D	2D	3D	Standard	CWA	SDWA
			X		
					RCRA
					X

State					
NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BDGOC	Remarks
14:30	8-8-22	S	1	TH-2 0"	12 ~~12~~	X	~~500mL Poly~~
14:50	"	"	"	TH-2 2'	13	X	
15:34	"	"	"	TH-3 0"	14	X	
16:38	"	"	"	TH-3 4'	15	X	
10:06	8-10-22	S	1	TH-4 0"	16	X	
10:29	"	"	"	TH-4 2'	17	X	
10:45	"	"	"	TH-5 0"	18	X	
10:47	"	"	"	TH-5 2'	19	X	
11:30	"	"	"	TH-6 0"	20	X	
11:33	"	"	"	TH-6 2'	21	X	

Analysis and Method

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: K Sanchez

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
	8-12-22	15:01		8/12/22	15:01
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.

Envirotech Analytical Laboratory

Printed: 8/15/2022 9:31:20AM

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:	08/12/22 15:01	Work Order ID:	E208073
Phone:	(505)881-3188	Date Logged In:	08/12/22 15:42	Logged In By:	Caitlin Christian
Email:	gcrabtree@envirotech-inc.com	Due Date:	08/19/22 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	Carrier: Kholeton Sanchez
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	

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 seperated into 3 reports due to amount of samples. Workorders are as follows:
E208073 COC pg 1&2 of 6, E208074 COC pg 3&4 of 6, E208075 COC pg 5&6 of 6.

Client Instruction

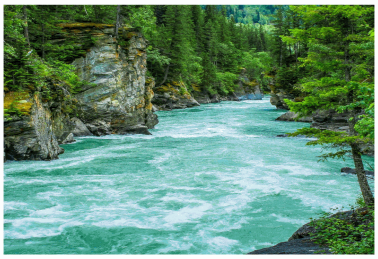
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Greg Crabtree



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tetra Technologies

Project Name:	Hayhurst Pad 10
Work Order:	E208074
Job Number:	21016-0002
Received:	8/12/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/19/22

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: 8/19/22

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

Project Name: Hayhurst Pad 10
Workorder: E208074
Date Received: 8/12/2022 3:01:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/12/2022 3:01:00PM, under the Project Name: Hayhurst Pad 10.

The analytical test results summarized in this report with the Project Name: Hayhurst Pad 10 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
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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Sample Summary

Tetra Technologies	Project Name:	Hayhurst Pad 10	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0002	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	08/19/22 09:07

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
TH-7 0"	E208074-01A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
TH-7 4"	E208074-02A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
TH-8 0"	E208074-03A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
TH-8 10"	E208074-04A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
TH-9 0"	E208074-05A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
TH-9 2'	E208074-06A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
TH-10 0"	E208074-07A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
TH-10 4'	E208074-08A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
TH-11 0"	E208074-09A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
TH-11 2'	E208074-10A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
TH-12 0"	E208074-11A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
TH-12 2'	E208074-12A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
TH-13 0"	E208074-13A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
TH-13 2'	E208074-14A	Soil	08/10/22	08/12/22	Glass Jar, 2 oz.
TH-14 0"	E208074-15A	Soil	08/11/22	08/12/22	Glass Jar, 2 oz.
TH-14 2'	E208074-16A	Soil	08/11/22	08/12/22	Glass Jar, 2 oz.
TH-15 2'	E208074-17A	Soil	08/11/22	08/12/22	Glass Jar, 2 oz.
TH-15 4'	E208074-18A	Soil	08/11/22	08/12/22	Glass Jar, 2 oz.
TH-16 0"	E208074-19A	Soil	08/11/22	08/12/22	Glass Jar, 2 oz.
TH-16 2'	E208074-20A	Soil	08/11/22	08/12/22	Glass Jar, 2 oz.

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 9:07:23AM

TH-7 0''

E208074-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*95.6 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*95.6 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/16/22	
Surrogate: n-Nonane		*77.8 %*	*50-200*	*08/15/22*	*08/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234019
Chloride	**7500**	200	10	08/15/22	08/17/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 9:07:23AM

TH-7 4"

E208074-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*95.4 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.7 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*95.4 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.7 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/16/22	
Surrogate: n-Nonane		*77.4 %*	*50-200*	*08/15/22*	*08/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234019
Chloride	ND	200	10	08/15/22	08/17/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 9:07:23AM

TH-8 0''

E208074-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Benzene	ND	0.0250	1	08/15/22	08/18/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/18/22	
Toluene	ND	0.0250	1	08/15/22	08/18/22	
o-Xylene	ND	0.0250	1	08/15/22	08/18/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/18/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/18/22	
Surrogate: Bromofluorobenzene		*96.8 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: Toluene-d8		*96.0 %*	*70-130*	*08/15/22*	*08/18/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/18/22	
Surrogate: Bromofluorobenzene		*96.8 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: Toluene-d8		*96.0 %*	*70-130*	*08/15/22*	*08/18/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234003
Diesel Range Organics (C10-C28)	**27.1**	25.0	1	08/15/22	08/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/16/22	
Surrogate: n-Nonane		*72.0 %*	*50-200*	*08/15/22*	*08/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234019
Chloride	**47600**	1000	50	08/15/22	08/17/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 9:07:23AM

TH-8 10''

E208074-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*97.3 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/16/22	
Surrogate: n-Nonane		*71.1 %*	*50-200*	*08/15/22*	*08/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234019
Chloride	**7580**	100	5	08/15/22	08/17/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 9:07:23AM

TH-9 0''

E208074-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*96.8 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*99.0 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*96.8 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*99.0 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/16/22	
Surrogate: n-Nonane		*74.0 %*	*50-200*	*08/15/22*	*08/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234019
Chloride	**12100**	1000	50	08/15/22	08/17/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 9:07:23AM

TH-9 2'

E208074-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*95.4 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*95.4 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/16/22	
Surrogate: n-Nonane		*80.1 %*	*50-200*	*08/15/22*	*08/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234019
Chloride	**120**	20.0	1	08/15/22	08/17/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 9:07:23AM

TH-10 0''

E208074-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*95.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.5 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*97.1 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*95.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.5 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*97.1 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/16/22	
Surrogate: n-Nonane		*79.4 %*	*50-200*	*08/15/22*	*08/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234019
Chloride	**8460**	400	20	08/15/22	08/17/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 9:07:23AM

TH-10 4'

E208074-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*93.0 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*95.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*93.0 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*95.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/16/22	
Surrogate: n-Nonane		*75.9 %*	*50-200*	*08/15/22*	*08/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234019
Chloride	ND	200	10	08/15/22	08/17/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 9:07:23AM

TH-11 0"

E208074-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*99.6 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*99.6 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/17/22	
Surrogate: n-Nonane		*72.2 %*	*50-200*	*08/15/22*	*08/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234019
Chloride	**12700**	400	20	08/15/22	08/17/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 9:07:23AM

TH-11 2'

E208074-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.4 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*97.3 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.4 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*97.3 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/17/22	
Surrogate: n-Nonane		*85.0 %*	*50-200*	*08/15/22*	*08/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234019
Chloride	**472**	200	10	08/15/22	08/17/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 9:07:23AM

TH-12 0''

E208074-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*95.8 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*98.2 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*95.8 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*98.2 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/17/22	
Surrogate: n-Nonane		*80.1 %*	*50-200*	*08/15/22*	*08/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234019
Chloride	**8510**	200	10	08/15/22	08/17/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 9:07:23AM

TH-12 2'

E208074-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*93.6 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.0 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*97.6 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*93.6 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.0 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*97.6 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/17/22	
Surrogate: n-Nonane		*79.1 %*	*50-200*	*08/15/22*	*08/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234019
Chloride	**1010**	200	10	08/15/22	08/17/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 9:07:23AM

TH-13 0''

E208074-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Benzene	ND	0.0250	1	08/15/22	08/18/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/18/22	
Toluene	ND	0.0250	1	08/15/22	08/18/22	
o-Xylene	ND	0.0250	1	08/15/22	08/18/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/18/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/18/22	
Surrogate: Bromofluorobenzene		*97.8 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.7 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/18/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/18/22	
Surrogate: Bromofluorobenzene		*97.8 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.7 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/18/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/17/22	
Surrogate: n-Nonane		*81.4 %*	*50-200*	*08/15/22*	*08/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234019
Chloride	**8850**	400	20	08/15/22	08/17/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 9:07:23AM

TH-13 2'

E208074-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Benzene	ND	0.0250	1	08/15/22	08/18/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/18/22	
Toluene	ND	0.0250	1	08/15/22	08/18/22	
o-Xylene	ND	0.0250	1	08/15/22	08/18/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/18/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/18/22	
Surrogate: Bromofluorobenzene		*99.5 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*08/15/22*	*08/18/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/18/22	
Surrogate: Bromofluorobenzene		*99.5 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*08/15/22*	*08/18/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/17/22	
Surrogate: n-Nonane		*83.2 %*	*50-200*	*08/15/22*	*08/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234019
Chloride	**499**	20.0	1	08/15/22	08/17/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 9:07:23AM

TH-14 0''

E208074-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Benzene	ND	0.0250	1	08/15/22	08/18/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/18/22	
Toluene	ND	0.0250	1	08/15/22	08/18/22	
o-Xylene	ND	0.0250	1	08/15/22	08/18/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/18/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/18/22	
Surrogate: Bromofluorobenzene		*98.6 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/18/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/18/22	
Surrogate: Bromofluorobenzene		*98.6 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*08/15/22*	*08/18/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/17/22	
Surrogate: n-Nonane		*82.8 %*	*50-200*	*08/15/22*	*08/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234019
Chloride	**211**	40.0	2	08/15/22	08/17/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 9:07:23AM

TH-14 2'

E208074-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Benzene	ND	0.0250	1	08/15/22	08/18/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/18/22	
Toluene	ND	0.0250	1	08/15/22	08/18/22	
o-Xylene	ND	0.0250	1	08/15/22	08/18/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/18/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/18/22	
Surrogate: Bromofluorobenzene		*99.6 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*08/15/22*	*08/18/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/18/22	
Surrogate: Bromofluorobenzene		*99.6 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*08/15/22*	*08/18/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/17/22	
Surrogate: n-Nonane		*86.1 %*	*50-200*	*08/15/22*	*08/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234019
Chloride	**12400**	400	20	08/15/22	08/17/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 9:07:23AM

TH-15 2'

E208074-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Benzene	ND	0.0250	1	08/15/22	08/18/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/18/22	
Toluene	ND	0.0250	1	08/15/22	08/18/22	
o-Xylene	ND	0.0250	1	08/15/22	08/18/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/18/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/18/22	
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*08/15/22*	*08/18/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/18/22	
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*08/15/22*	*08/18/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/17/22	
Surrogate: n-Nonane		*79.8 %*	*50-200*	*08/15/22*	*08/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234019
Chloride	**1500**	20.0	1	08/15/22	08/17/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 9:07:23AM

TH-15 4'

E208074-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Benzene	ND	0.0250	1	08/15/22	08/18/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/18/22	
Toluene	ND	0.0250	1	08/15/22	08/18/22	
o-Xylene	ND	0.0250	1	08/15/22	08/18/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/18/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/18/22	
Surrogate: Bromofluorobenzene		*97.5 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: Toluene-d8		*99.2 %*	*70-130*	*08/15/22*	*08/18/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/18/22	
Surrogate: Bromofluorobenzene		*97.5 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: Toluene-d8		*99.2 %*	*70-130*	*08/15/22*	*08/18/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/17/22	
Surrogate: n-Nonane		*81.7 %*	*50-200*	*08/15/22*	*08/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234019
Chloride	**518**	20.0	1	08/15/22	08/17/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 9:07:23AM

TH-16 0''

E208074-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Benzene	ND	0.0250	1	08/15/22	08/18/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/18/22	
Toluene	ND	0.0250	1	08/15/22	08/18/22	
o-Xylene	ND	0.0250	1	08/15/22	08/18/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/18/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/18/22	
Surrogate: Bromofluorobenzene		*96.2 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: Toluene-d8		*96.0 %*	*70-130*	*08/15/22*	*08/18/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/18/22	
Surrogate: Bromofluorobenzene		*96.2 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: Toluene-d8		*96.0 %*	*70-130*	*08/15/22*	*08/18/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/17/22	
Surrogate: n-Nonane		*83.9 %*	*50-200*	*08/15/22*	*08/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234019
Chloride	**7200**	100	5	08/15/22	08/17/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 9:07:23AM

TH-16 2'

E208074-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Benzene	ND	0.0250	1	08/15/22	08/18/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/18/22	
Toluene	ND	0.0250	1	08/15/22	08/18/22	
o-Xylene	ND	0.0250	1	08/15/22	08/18/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/18/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/18/22	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.6 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*08/15/22*	*08/18/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234016
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/18/22	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.6 %*	*70-130*	*08/15/22*	*08/18/22*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*08/15/22*	*08/18/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234003
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/17/22	
Surrogate: n-Nonane		*83.0 %*	*50-200*	*08/15/22*	*08/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234019
Chloride	**264**	200	10	08/15/22	08/17/22	

QC Summary Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0002	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 9:07:23AM

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 (2234016-BLK1)									Prepared: 08/15/22 Analyzed: 08/16/22
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	*0.496*		*0.500*		*99.1*	*70-130*			
LCS (2234016-BS1)									Prepared: 08/15/22 Analyzed: 08/16/22
Benzene	2.41	0.0250	2.50		96.5	70-130			
Ethylbenzene	2.58	0.0250	2.50		103	70-130			
Toluene	2.43	0.0250	2.50		97.3	70-130			
o-Xylene	2.64	0.0250	2.50		106	70-130			
p,m-Xylene	5.15	0.0500	5.00		103	70-130			
Total Xylenes	7.79	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	*0.505*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.488*		*0.500*		*97.5*	*70-130*			
Surrogate: Toluene-d8	*0.506*		*0.500*		*101*	*70-130*			
LCS Dup (2234016-BSD1)									Prepared: 08/15/22 Analyzed: 08/16/22
Benzene	2.40	0.0250	2.50		96.2	70-130	0.394	23	
Ethylbenzene	2.59	0.0250	2.50		104	70-130	0.445	27	
Toluene	2.44	0.0250	2.50		97.4	70-130	0.123	24	
o-Xylene	2.66	0.0250	2.50		106	70-130	0.642	27	
p,m-Xylene	5.19	0.0500	5.00		104	70-130	0.774	27	
Total Xylenes	7.85	0.0250	7.50		105	70-130	0.729	27	
Surrogate: Bromofluorobenzene	*0.507*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.458*		*0.500*		*91.6*	*70-130*			
Surrogate: Toluene-d8	*0.508*		*0.500*		*102*	*70-130*			

QC Summary Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0002	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 9:07:23AM

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 (2234016-BLK1)									Prepared: 08/15/22 Analyzed: 08/16/22
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	*0.496*		*0.500*		*99.1*	*70-130*			
LCS (2234016-BS2)									Prepared: 08/15/22 Analyzed: 08/16/22
Gasoline Range Organics (C6-C10)	44.7	20.0	50.0		89.4	70-130			
Surrogate: Bromofluorobenzene	*0.488*		*0.500*		*97.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.473*		*0.500*		*94.6*	*70-130*			
Surrogate: Toluene-d8	*0.505*		*0.500*		*101*	*70-130*			
LCS Dup (2234016-BSD2)									Prepared: 08/15/22 Analyzed: 08/16/22
Gasoline Range Organics (C6-C10)	45.7	20.0	50.0		91.4	70-130	2.15	20	
Surrogate: Bromofluorobenzene	*0.491*		*0.500*		*98.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.464*		*0.500*		*92.7*	*70-130*			
Surrogate: Toluene-d8	*0.501*		*0.500*		*100*	*70-130*			

QC Summary Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0002	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 9:07:23AM

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 (2234003-BLK1)									Prepared: 08/15/22 Analyzed: 08/16/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*38.0*		*50.0*		*76.0*	*50-200*			
LCS (2234003-BS1)									Prepared: 08/15/22 Analyzed: 08/16/22
Diesel Range Organics (C10-C28)	218	25.0	250		87.4	38-132			
Surrogate: n-Nonane	*37.5*		*50.0*		*75.0*	*50-200*			
Matrix Spike (2234003-MS1)				**Source: E208074-16**					Prepared: 08/15/22 Analyzed: 08/16/22
Diesel Range Organics (C10-C28)	222	25.0	250	ND	88.8	38-132			
Surrogate: n-Nonane	*37.0*		*50.0*		*73.9*	*50-200*			
Matrix Spike Dup (2234003-MSD1)				**Source: E208074-16**					Prepared: 08/15/22 Analyzed: 08/16/22
Diesel Range Organics (C10-C28)	224	25.0	250	ND	89.5	38-132	0.765	20	
Surrogate: n-Nonane	*38.3*		*50.0*		*76.6*	*50-200*			

QC Summary Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0002	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 9:07:23AM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2234019-BLK1)									Prepared: 08/15/22 Analyzed: 08/17/22
Chloride	ND	20.0							
LCS (2234019-BS1)									Prepared: 08/15/22 Analyzed: 08/17/22
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2234019-MS1)				**Source: E208074-01**					Prepared: 08/15/22 Analyzed: 08/17/22
Chloride	8640	200	250	7500	456	80-120			M2
Matrix Spike Dup (2234019-MSD1)				**Source: E208074-01**					Prepared: 08/15/22 Analyzed: 08/17/22
Chloride	10300	200	250	7500	NR	80-120	17.8	20	M2

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:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	08/19/22 09:07

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
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 6

Client: TETRA TECH	**Bill To**
Project: HAYHURST PAD 10	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#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E208074	21016-0002				X		

Analysis and Method												RCRA
DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC						X

State					
NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks
12:02	8-10-22	S	1	TH-7 0"	1	
12:25				TH-7 4"	2	
13:08				TH-8 0"	3	
13:14				TH-8 10"	4	
13:55				TH-9 0"	5	
13:57				TH-9 2'	6	
14:39				TH-10 0"	7	
15:13				TH-10 4'	8	
15:55				TH-11 0"	9	
15:57				TH-11 2'	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: K SANCHEZ

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]	8-12-22	15:01	[signature]	8/12/22	15:01
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.

envirotech

Client: TETRA TECH	
Project: HAXHURST PAD 10	
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#	Job Number
E208074	21016-0002

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA	RCRA
		X

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC	Remarks
16:37	8-10-22	S	1	TH-12 0"	11							X	
16:39	"	"	"	TH-12 2'	12							X	
17:05	"	"	"	TH-13 0"	13							X	
17:07	"	"	"	TH-13 2'	14							X	
9:08	8-11-22	S	2	TH-14 0"	15							X	
9:10	"	"	"	TH-14 2'	16							X	
9:44	"	"	"	TH-15 2'	17							X	
10:09	"	"	"	TH-15 4'	18							X	
10:40	"	"	"	TH-16 0"	19							X	
10:44	"	"	"	TH-16 2'	20							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: K SANCHEZ

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
	8-12-22	15:01		8/12/22	15:01
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.

envirotech

Envirotech Analytical Laboratory

Printed: 8/15/2022 9:29:43AM

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:	08/12/22 15:01	Work Order ID:	E208074
Phone:	(505)881-3188	Date Logged In:	08/12/22 15:44	Logged In By:	Caitlin Christian
Email:	gcrabtree@envirotech-inc.com	Due Date:	08/19/22 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	Carrier: Kholeton Sanchez
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	

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 seperated into 3 reports due to amount of samples. Workorders are as follows:
E208073 COC pg 1&2 of 6, E208074 COC pg 3&4 of 6, E208075 COC pg 5&6 of 6.

Client Instruction

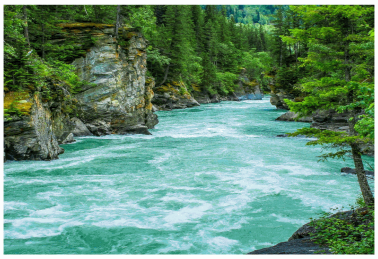
Signature of client authorizing changes to the COC or sample disposition.

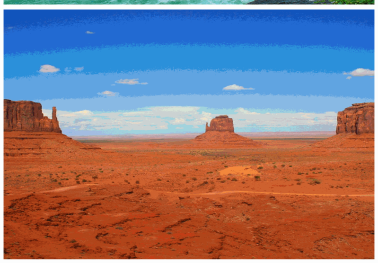
Date

envirotech Inc.

Report to:

Greg Crabtree





5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Tetra Technologies

Project Name:	Hayhurst Pad 10
Work Order:	E208075
Job Number:	21016-0002
Received:	8/12/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/19/22

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: 8/19/22

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

Project Name: Hayhurst Pad 10
Workorder: E208075
Date Received: 8/12/2022 3:01:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/12/2022 3:01:00PM, under the Project Name: Hayhurst Pad 10.

The analytical test results summarized in this report with the Project Name: Hayhurst Pad 10 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
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Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

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Southern New Mexico Area
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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

Sample Summary

Tetra Technologies	Project Name:	Hayhurst Pad 10	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0002	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	08/19/22 14:16

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
TH-17 0"	E208075-01A	Soil	08/11/22	08/12/22	Glass Jar, 2 oz.
TH-17 2'	E208075-02A	Soil	08/11/22	08/12/22	Glass Jar, 2 oz.
TH-18 0"	E208075-03A	Soil	08/11/22	08/12/22	Glass Jar, 2 oz.
TH-18 2'	E208075-04A	Soil	08/11/22	08/12/22	Glass Jar, 2 oz.
TH-19 0"	E208075-05A	Soil	08/11/22	08/12/22	Glass Jar, 2 oz.
TH-19 4'	E208075-06A	Soil	08/11/22	08/12/22	Glass Jar, 2 oz.
TH-20 0"	E208075-07A	Soil	08/11/22	08/12/22	Glass Jar, 2 oz.
TH-20 2'	E208075-08A	Soil	08/11/22	08/12/22	Glass Jar, 2 oz.
TH-21 0"	E208075-09A	Soil	08/11/22	08/12/22	Glass Jar, 2 oz.
TH-21 2'	E208075-10A	Soil	08/11/22	08/12/22	Glass Jar, 2 oz.
TH-22 0"	E208075-11A	Soil	08/11/22	08/12/22	Glass Jar, 2 oz.
TH-23 0"	E208075-12A	Soil	08/11/22	08/12/22	Glass Jar, 2 oz.

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:16:40PM

TH-17 0''

E208075-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234007
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*95.6 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*99.1 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234007
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*95.6 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.8 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*99.1 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234005
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/15/22	
Surrogate: n-Nonane		*90.8 %*	*50-200*	*08/15/22*	*08/15/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234020
Chloride	**7520**	200	10	08/15/22	08/18/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:16:40PM

TH-17 2'

E208075-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234007
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*99.2 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*99.6 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234007
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*99.2 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*99.6 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234005
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/15/22	
Surrogate: n-Nonane		*100 %*	*50-200*	*08/15/22*	*08/15/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234020
Chloride	**528**	20.0	1	08/15/22	08/18/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:16:40PM

TH-18 0''

E208075-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234007
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234007
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234005
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/15/22	
Surrogate: n-Nonane		*96.6 %*	*50-200*	*08/15/22*	*08/15/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234020
Chloride	**791**	20.0	1	08/15/22	08/18/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:16:40PM

TH-18 2'

E208075-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234007
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*98.7 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234007
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*98.7 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234005
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/15/22	
Surrogate: n-Nonane		*107 %*	*50-200*	*08/15/22*	*08/15/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234020
Chloride	**13900**	400	20	08/15/22	08/18/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:16:40PM

TH-19 0''

E208075-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234007
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*98.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*98.5 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234007
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*98.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*98.5 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234005
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/15/22	
Surrogate: n-Nonane		*98.5 %*	*50-200*	*08/15/22*	*08/15/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234020
Chloride	**6430**	1000	50	08/15/22	08/18/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:16:40PM

TH-19 4'

E208075-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234007
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*95.8 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*99.5 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234007
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*95.8 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*99.5 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234005
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/15/22	
Surrogate: n-Nonane		*122 %*	*50-200*	*08/15/22*	*08/15/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234020
Chloride	**56.9**	20.0	1	08/15/22	08/18/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:16:40PM

TH-20 0''

E208075-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234007
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*95.5 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*99.2 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234007
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*95.5 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*99.2 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234005
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/15/22	
Surrogate: n-Nonane		*102 %*	*50-200*	*08/15/22*	*08/15/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234020
Chloride	**25800**	2000	100	08/15/22	08/18/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:16:40PM

TH-20 2'

E208075-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234007
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*93.8 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.1 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*97.5 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234007
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*93.8 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.1 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*97.5 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234005
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/16/22	
Surrogate: n-Nonane		*96.0 %*	*50-200*	*08/15/22*	*08/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234020
Chloride	**1090**	20.0	1	08/15/22	08/18/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:16:40PM

TH-21 0''

E208075-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234007
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*99.4 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234007
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*99.4 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234005
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/16/22	
Surrogate: n-Nonane		*98.8 %*	*50-200*	*08/15/22*	*08/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234020
Chloride	ND	200	10	08/15/22	08/18/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:16:40PM

TH-21 2'

E208075-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234007
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.7 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*96.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234007
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.7 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*96.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234005
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/16/22	
Surrogate: n-Nonane		*88.5 %*	*50-200*	*08/15/22*	*08/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234020
Chloride	ND	20.0	1	08/15/22	08/18/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:16:40PM

TH-22 0''

E208075-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234007
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*97.0 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*99.3 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234007
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*97.0 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*99.3 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234005
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/16/22	
Surrogate: n-Nonane		*95.8 %*	*50-200*	*08/15/22*	*08/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234020
Chloride	**2090**	400	20	08/15/22	08/18/22	

Sample Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:16:40PM

TH-23 0''

E208075-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2234007
Benzene	ND	0.0250	1	08/15/22	08/16/22	
Ethylbenzene	ND	0.0250	1	08/15/22	08/16/22	
Toluene	ND	0.0250	1	08/15/22	08/16/22	
o-Xylene	ND	0.0250	1	08/15/22	08/16/22	
p,m-Xylene	ND	0.0500	1	08/15/22	08/16/22	
Total Xylenes	ND	0.0250	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*98.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2234007
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/22	08/16/22	
Surrogate: Bromofluorobenzene		*98.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*	*70-130*	*08/15/22*	*08/16/22*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*08/15/22*	*08/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2234005
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/22	08/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/22	08/16/22	
Surrogate: n-Nonane		*96.5 %*	*50-200*	*08/15/22*	*08/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2234020
Chloride	ND	100	5	08/15/22	08/18/22	

QC Summary Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0002	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:16:40PM

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 (2234007-BLK1)									Prepared: 08/15/22 Analyzed: 08/15/22
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	*0.491*		*0.500*		*98.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.508*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.494*		*0.500*		*98.8*	*70-130*			
LCS (2234007-BS1)									Prepared: 08/15/22 Analyzed: 08/15/22
Benzene	2.05	0.0250	2.50		82.1	70-130			
Ethylbenzene	2.29	0.0250	2.50		91.5	70-130			
Toluene	2.12	0.0250	2.50		84.6	70-130			
o-Xylene	2.36	0.0250	2.50		94.3	70-130			
p,m-Xylene	4.61	0.0500	5.00		92.3	70-130			
Total Xylenes	6.97	0.0250	7.50		92.9	70-130			
Surrogate: Bromofluorobenzene	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.497*		*0.500*		*99.3*	*70-130*			
Surrogate: Toluene-d8	*0.508*		*0.500*		*102*	*70-130*			
LCS Dup (2234007-BSD1)									Prepared: 08/15/22 Analyzed: 08/16/22
Benzene	2.05	0.0250	2.50		82.0	70-130	0.0732	23	
Ethylbenzene	2.31	0.0250	2.50		92.2	70-130	0.762	27	
Toluene	2.15	0.0250	2.50		85.9	70-130	1.43	24	
o-Xylene	2.38	0.0250	2.50		95.2	70-130	0.929	27	
p,m-Xylene	4.64	0.0500	5.00		92.8	70-130	0.637	27	
Total Xylenes	7.02	0.0250	7.50		93.6	70-130	0.736	27	
Surrogate: Bromofluorobenzene	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.467*		*0.500*		*93.3*	*70-130*			
Surrogate: Toluene-d8	*0.505*		*0.500*		*101*	*70-130*			

QC Summary Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0002	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:16:40PM

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 (2234007-BLK1)									Prepared: 08/15/22 Analyzed: 08/15/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.491*		*0.500*		*98.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.508*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.494*		*0.500*		*98.8*	*70-130*			
LCS (2234007-BS2)									Prepared: 08/15/22 Analyzed: 08/16/22
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0		89.2	70-130			
Surrogate: Bromofluorobenzene	*0.496*		*0.500*		*99.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.483*		*0.500*		*96.6*	*70-130*			
Surrogate: Toluene-d8	*0.501*		*0.500*		*100*	*70-130*			
LCS Dup (2234007-BSD2)									Prepared: 08/15/22 Analyzed: 08/16/22
Gasoline Range Organics (C6-C10)	42.8	20.0	50.0		85.6	70-130	4.07	20	
Surrogate: Bromofluorobenzene	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.481*		*0.500*		*96.1*	*70-130*			
Surrogate: Toluene-d8	*0.502*		*0.500*		*100*	*70-130*			

QC Summary Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0002	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:16:40PM

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 (2234005-BLK1)									Prepared: 08/15/22 Analyzed: 08/15/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.1*		*50.0*		*96.2*	*50-200*			
LCS (2234005-BS1)									Prepared: 08/15/22 Analyzed: 08/15/22
Diesel Range Organics (C10-C28)	245	25.0	250		98.2	38-132			
Surrogate: n-Nonane	*39.2*		*50.0*		*78.4*	*50-200*			
Matrix Spike (2234005-MS1)				**Source: E208075-05**					Prepared: 08/15/22 Analyzed: 08/15/22
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132			
Surrogate: n-Nonane	*40.2*		*50.0*		*80.5*	*50-200*			
Matrix Spike Dup (2234005-MSD1)				**Source: E208075-05**					Prepared: 08/15/22 Analyzed: 08/15/22
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.4	38-132	2.68	20	
Surrogate: n-Nonane	*40.1*		*50.0*		*80.3*	*50-200*			

QC Summary Data

Tetra Technologies	Project Name:	Hayhurst Pad 10	**Reported:**
6121 Indian School Road, NE	Project Number:	21016-0002	
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	8/19/2022 2:16:40PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2234020-BLK1)									Prepared: 08/15/22 Analyzed: 08/17/22
Chloride	ND	20.0							
LCS (2234020-BS1)									Prepared: 08/15/22 Analyzed: 08/17/22
Chloride	245	20.0	250		97.9	90-110			
Matrix Spike (2234020-MS1)				**Source: E208073-21**					Prepared: 08/15/22 Analyzed: 08/18/22
Chloride	477	200	250	214	105	80-120			
Matrix Spike Dup (2234020-MSD1)				**Source: E208073-21**					Prepared: 08/15/22 Analyzed: 08/18/22
Chloride	564	200	250	214	140	80-120	16.6	20	M2

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:	Hayhurst Pad 10	
6121 Indian School Road, NE	Project Number:	21016-0002	**Reported:**
Albuquerque NM, 87110	Project Manager:	Greg Crabtree	08/19/22 14:16

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
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: HAYHURST PAD 10
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# E208075
Job Number 21016-0002

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

EPA Program: CWA | SDWA | RCRA (X)

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

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDCOC	Remarks
12:02	8-11-22	S	1	TH-17 0"	1							X	
12:04	"	"	"	TH-17 2'	2							X	
12:36	"	"	"	TH-18 0"	3							X	
12:38	"	"	"	TH-18 2'	4							X	
13:35	"	"	"	TH-19 0"	5							X	
14:08	"	"	"	TH-19 4'	6							X	
15:32	"	"	"	TH-20 0"	7							X	
15:35	"	"	"	TH-20 2'	8							X	
16:04	"	"	"	TH-21 0"	9							X	
16:06	"	"	"	TH-21 2'	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: KSANCHEZ

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
	8-12-22	15:01		8/12/22	15:01
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.

envirotech

Project Information | Chain of Custody | Page 6 of 6

Client: TETRA TECH	**Bill To**
Project: HAYHURST PAD 1D	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

Lab WO#	Job Number
E208075	21016-0002

TAT

1D	2D	3D	Standard

EPA Program

CWA	SDWA	RCRA
		X

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC	Remarks
17:01	8-11-22	S	1	TH-22 0"	11							X	
17:05	8-11-22	S	1	TH-23 0"	12							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: K SANCHEZ

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
	8-12-22	15:01	Cartha Chatt	8/12/22	15:01
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.

envirotech

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 193594

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 193594
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. This release is in a high karst area and will need to be remediated to the strictest closure criteria from Table 1 of the OCD Spill Rule. Samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. The largest variance confirmation floor sample size that the OCD can currently grant is 400 ft2. The variance is approved for 400 ft2 floor confirmation samples. The release area will still need confirmation sidewall samples representing no more than 200 ft2. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. The work will need to occur in 90 days after the work plan has been approved.	7/14/2023