SITE INFORMATION

Rej	port Type: Cl	osure Repo	ort nAPP233	615887	3 and n	APP2404354589						
General Site Inf	ormation:											
Site:		Hayhurst NM S	ection 9 CTB									
Company:		Chevron U.S.A	,									
Section, Towns		Unit P	Sec. 08	T 26S	R 27E							
Lease Number:												
County:		Eddy County										
GPS:			<u>32.05254458</u> -104.2015445									
Surface Owner:		Federal										
Mineral Owner:		Enous the intervent	tion of Dood Divers	an Daad sood		Road, drive west on Whites C	Star Deed					
Directions:			ve northeast for 30			drive west for approximately I site is located at GPS coord						
Release Data:			0.40.0004									
Date Released:		12.26.2023 and 2.12.2024										
Type Release:	unio atia a i	Produced Water Equipment failure at dump valve										
Source of Contai Fluid Released:	mination:		ed water (12.26.2		produced w	atar (2, 12, 24)						
Fluids Recovered	d.		water (12.26.23									
Official Commu	-			,								
Name:	Kennedy Lincoln				John Faugh	nt						
Company:	Chevron U.S.A., Inc	C.			Tetra Tech							
Address:	6301 Deauville Blvc	1			901 W. Wa	ll St.						
					Ste 100							
City:	Midland, Texas 797	06	Midland, Texas, 79701									
Phone number:	(432) 813-5384				(432) 682-4							
Fax:					()							
Email:	kennedy.lincoln@	chevron.com			iohn.faugh	nt1@tetratech.com						
					,							

17.75' Below Ground Surface
Medium

Recommended Remedial Action Levels (RRALs)											
Benzene	Total BTEX	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	Chlorides							
10 mg/kg	50 mg/kg	100 mg/kg	100 mg/kg	600 mg/kg							



June 6, 2024

New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

RE: Remediation Closure Report Chevron MCBU Hayhurst NM Section 9 CTB Eddy County, New Mexico nAPP2336158873 and nAPP2404354589

Oil Conservation Division:

Tetra Tech, Inc. (Tetra Tech) was contracted by Chevron U.S.A., Inc. (Chevron) to assess and remediate two releases that occurred at the Hayhurst NM Section 9 CTB, Unit P, Section 8, Township 26 South, Range 27 East, Eddy County, New Mexico (Site). The spill site coordinates are 32.05254458°, -104.20154454°. The site location is shown on **Figures 1 and 2**.

Background

Initial Release

According to the initial C-141 and based on the previously submitted work plan dated February 9, 2024, an initial release (nAPP2336158873) at the Site occurred due to a dump valve failure, causing the release of 10 barrels (bbls) of produced water, however, none of the fluids were recovered. The release impacted an area of approximately 3,500 square feet. On December 26, 2023, the release was discovered and reported to the New Mexico Oil Conservation Division (NMOCD). A workplan for the initial release was submitted to the NMOCD on February 13, 2024, and was approved on March 11, 2024.

Second Release

According to the State of New Mexico Notice of Release report, a second release (nAPP2404354589) at the Site occurred due to a dump valve failure, causing the release of 52 bbls of produced water, of which 35 bbls of fluids were recovered. The release impacted an area of approximately 2,971 square feet, partially overlapping the initial release footprint at the Site. On February 12, 2024, the release was discovered and reported to the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

Significant Water Features

According to the (National Flood Hazard Layer) NFHL Flood Data Application and the (United States Geological Survey) USGS National Water Information System Mapper, there were no watercourses, lakebeds, sinkholes, playa lakes, springs, wetlands, subsurface mines,



private domestic water wells, or floodplains located within the specified distances of the Site. However, the Site is located in a medium karst area. The NFHL Map and USGS Mapper are provided in **Appendix A**.

Significant Boundaries

According to Google Earth US Government City Boundaries and US School Districts, the lateral extents of the release were not within incorporated municipal boundaries, a defined municipal fresh water well field, or a school district. Additionally, there were no occupied permanent residences, schools, hospitals, institutions, or churches located within the specified distances of the lateral extents of the release.

Groundwater Review

Groundwater research was completed for the Site through the USGS National Water Information System and New Mexico Office of the State Engineer (NMOSE) Water Rights Reporting System. Results of groundwater research conducted through these two resources, show the three closest water wells within a 2-mile radius of the Site. Point of Diversion (POD) number C 02588 reported on the NMOSE Water Rights Reporting System is listed as having a total depth of 81 ft below ground surface (bgs), and measured water level of 19 ft bgs and is located approximately 1.88 miles from the Site. USGS well, number 320323104112901, reported on the USGS National Water Information System (NWIS) is listed as having a water level measured at 17.75 ft bgs and is approximately 0.64 miles from the Site. USGS well, number 320343104110201, reported on the USGS NWIS, is listed as having a water level measured at 8.94 ft bgs and is approximately 1.05 miles from the Site. The groundwater information is shown in **Appendix B**.

Distance from Site	Date of Data	Resource of Information	Depth of Well	Depth to Water
1.88 Miles	6/3/1998	NMOSE	81'	19'
0.64 Miles	1/28/2003	USGS	N/A	17.75'
1.05 Miles	1/9/2013	USGS	N/A	8.94'

Regulatory

NMOCD Guidelines for Remediation of Leaks, Spills, and Releases, updated August 14, 2018, will be followed for the Site. The guidelines require a risk-based evaluation of the Site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene, and xylene (BTEX), total petroleum hydrocarbons (TPH), and chloride concentrations in the soil at the Site. The proposed RRALs for the Site were determined to be 10 milligrams per kilogram (mg/kg) for benzene, 50 mg/kg for total BTEX, 100 mg/kg for TPH and 600 mg/kg for Chloride in the soil.



Site Assessment Activities

Based on the information provided by Chevron, Tetra Tech conducted site assessment activities for both of the releases (nAPP2404354589) to determine vertical and horizontal delineation of the extent of the impact. The release areas are shown on **Figure 3**.

Initial Release Assessment

Tetra Tech conducted Site assessment activities on January 18, 2024. A total of three (3) auger holes (AH-1 through AH-3) were installed within the impacted area, to depths ranging from surface to 4 feet below ground surface (ft bgs) to attempt to assess and vertically delineate the impacted the area. Additionally, a total of four (4) horizontal auger holes (H-1 through H-4) were installed directly outside of the impact outline to total depth of 1.0 ft bgs, to horizontally delineate the impact. The extent of impact and delineation sample locations are shown on **Figure 3A**.

The soil samples were submitted to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for TPH by method 8015 modified, BTEX by method 8021B, and Chloride by EPA Method SM4500-Cl B. The analytical results are summarized in **Table 1** and the analytical laboratory reports are included in **Appendix B**.

Referring to Table 1, auger holes (AH-1 through AH-3) indicated chloride concentrations above RRALs, with concentrations ranging from 832 mg/kg to 5,120 mg/kg, at depths ranging from surface to 3 ft bgs. Auger holes (AH-1 through AH-3) did not indicate benzene, BTEX, or TPH concentrations above laboratory detection limits. Vertical delineation was achieved at 1 ft bgs at sample point AH-1, 3 ft bgs at sample point AH-2 and 2 ft bgs at sample point AH-3. Additionally, horizontals (H-1 through H-4) did not indicate benzene, BTEX, TPH, or chloride concentrations above the determined RRALs for the Site. The release impacted area is vertically delineated at all of the vertical delineation sample points.

Second Release Assessment

Tetra Tech conducted Site assessment activities on February 26, 2024. A total of four (4) hand auger borings (BH-1 through BH-4) were installed within the impacted area, to depths ranging from surface to 4 feet below ground surface (ft bgs) to attempt to assess and vertically delineate the impacted the area. Additionally, a total of four (4) hand auger borings (B-1 through B-4) were installed directly outside of the impact outline to total depth of 1.0 ft bgs, to horizontally delineate the impact. The extent of impact and delineation sample locations are shown on **Figure 3B**.

The soil samples were submitted to Eurofins Laboratories in Midland, Texas to be analyzed for TPH by Method 8015 modified, BTEX by Method 8021B, and chloride by Method 300.0. The analytical results are summarized in **Table 2** and the analytical laboratory reports are included in **Appendix B**.

Referring to Table 1, hand auger borings BH-1, BH-3, and BH-4 indicated chloride concentrations above RRALs, with concentrations ranging from 868 mg/kg to 4,340 mg/kg, at depths ranging from surface to 1.0 ft bgs. Hand auger borings BH-1 through BH-4 did not



indicate benzene, BTEX, or TPH concentrations above RRALs. Vertical delineation was achieved at 1 ft bgs in all of the vertical delineation sample points. Additionally, hand auger borings B-1 through B-3 did not indicate benzene, BTEX, TPH, or chloride concentrations above the determined RRALs for the Site, however, hand auger boring B-4 indicated a chloride concentration above RRALs with a concentration of 826 mg/kg, and a total TPH concentration of 152 mg/kg at surface depths. The release impacted area is vertically delineated at all of the vertical delineation sample points with the exception of B-4 which was delineated while remediation activities were completed.

Remediation Activities

Tetra Tech and construction subcontractor McNabb Partners, LLC, conducted remediation activities from April 30, 2024, through May 24, 2024. The areas of impact were remediated to depths ranging from 0.5 ft bgs to 1.5 ft bgs. Additionally, a hand dug surface scrape was completed in areas inaccessible to equipment and for housekeeping purposes. The remediation areas and depths are shown on **Figure 4**.

Following remediation activities, Tetra Tech conducted confirmation sampling by collecting 5-point composite bottom hole samples and 5-point composite sidewall samples every 200 square feet within the remediation. All confirmation samples are collected as a composite 5-point die pattern to ensure a representative sample of sidewalls and floor of the excavation are collected. A total of twenty-one (21) bottom holes were collected and a total of fourteen (14) sidewalls were collected from the remediated area. The confirmation soil samples were submitted to the Cardinal Laboratory in Hobbs, New Mexico to be analyzed for TPH by method 8015 modified, BTEX by method 8021B, and Chloride by EPA Method 4500. The analytical results are summarized in **Table 3** and the analytical laboratory reports are included in **Appendix B**. The confirmation sample notifications were sent to the NMOCD via email, on April 29, 2023, and May 14, 2024, and a copy of the notices is provided in **Appendix C**. A photographic log is included in **Appendix D**.

Referring to Table 3, all final samples collected from the remediation, analytical results indicated benzene, BTEX, TPH, and chloride concentrations were below the RRALs, with the exception of confirmation samples (BTM-16 through BTM-19, and WSW-2, ISW-2, ISW-3, ISW-4, and, ISW-5) which exhibited chloride concentrations ranging from 1,090 mg/kg to 4,080 mg/kg at depths ranging from surface to 0.5 ft bgs. The areas of exceedance are located in areas which are in close proximity or under active separators and piping at the Site. The extent of the remaining impacted area has been horizontally and vertically delineated.

Chevron requests a deferral in the areas under the active separators and piping at the Site until the equipment is removed during other operations, or when the well or facility is plugged or abandoned. Excavation under these areas poses imminent safety concerns and the strong likelihood of structural damage to the active equipment at the Site. The requested deferral area is shown on **Figure 5**.

Conclusions

Based on the C-141s (nAPP2302847724 and nAPP2404354589) and information provided by Chevron, Tetra Tech performed site characterization and groundwater research to



determine groundwater depth, proximity from significant water features, and proximity from specified populated entities to determine RRALs and assess the impacted area. Based on the OCD *Guidelines for Remediation of Leaks, Spills, and Releases*, updated August 14, 2018, according to the groundwater data found during research activities, the RRALs of 600 mg/kg for chlorides and 100 mg/kg for TPH were followed for soil beyond the top 4.0 ft of soil. Based on Tetra Tech assessment activities, laboratory results indicated chloride concentrations in auger holes (AH-1 through AH-3, BH-1, BH-3, BH-4 and B-4) exceeded RRALs and required remediation.

Following remediation of the areas of impact, Tetra Tech conducted confirmation soil sampling of the area by collecting 5-point composite confirmation bottom hole and sidewall samples to ensure the impacted soil was fully removed. Approximately 289 cubic yards of impacted soil was removed and properly disposed of at R360 in Orla, TX and Hobbs, NM, and the area was backfilled with clean material to surface grade. The analytical results indicated all confirmation samples reported below the RRALs for all constituents, with the exception of chloride concentration exceedances in confirmation samples (BTM-16 through BTM-19, and WSW-2, ISW-2, ISW-3, ISW-4, and ISW-5) which were located within close proximity to, and underneath active separators and piping at the Site. The remaining areas that indicated concentrations exceeding the RRALs were left in place for deferment.

Based on site assessment and remediation activities at the Site, Chevron requests closure of the release area with the exception of the requested deferral in the areas under the active separators and piping at the Site until the equipment is removed during other operations, or when the well or facility is plugged or abandoned. Excavation under these areas poses safety concerns and the possibility of damage to the active equipment at the Site. The final C-141s will be electronically submitted to the NMOCD.

If you require any additional information or have any questions or comments, please contact us at (432) 682-4559.

Respectfully submitted, TETRA TECH

John Faylor

John Faught, G.I.T. Project Manager

Clair Gonzales, P.G. Senior Project Manager

Figures

Figure 1 – Site Overview Map Figure 2 – Topographic Map Figure 3A – Initial Spill Assessment Map Figure 3B – Secondary Spill Assessment Map



- Figure 4 Excavation Area and Depth Map
- Figure 5 Deferral Area Map

Tables

- Table 1 Initial Release Delineation Analytical Results
- Table 2 Secondary Release Delineation Analytical Results
- Table 3 Confirmation Analytical Results

Appendices

- Appendix A Site Characterization
- Appendix B Analytical Laboratory Reports
- Appendix C NMOCD Correspondence
- Appendix D Photographic Documentation





Figures

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Received by OCD: 6/24/2024 1:55:18 PM



Released to Imaging: 6/25/2024 3:13:08 PM



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Tables

Table 1Delineation Assessment Analytical Results
Chevron MCBU
Hayhurst NM Section 9 CTB
Eddy County, New Mexico

Sample ID	Sample	Excavtion	Soil	Status		TPH (n	ng/kg)		Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride
-	Date	Depth (ft)	In-Situ	Removed	GRO	DRO	MRO	Total			(mg/kg)			(mg/kg)
RRALs								100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
	1/18/2024	0-1'	х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,440
AH-1	1/18/2024	1-2'	х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	< 0.300	256
A11-1	1/18/2024	2-3'	х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
	1/18/2024	3-4'	х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
	1/18/2024	0-1'	х	-	<10.0	<10.0	<10.0	<10.0	< 0.050	< 0.050	<0.050	<0.150	< 0.300	5,120
AH-2	1/18/2024	1-2'	х	-	<10.0	<10.0	<10.0	<10.0	<0.050	< 0.050	<0.050	<0.150	<0.300	832
AU-7	1/18/2024	2-3'	х	-	<10.0	<10.0	<10.0	<10.0	<0.050	< 0.050	<0.050	<0.150	< 0.300	1,040
	1/18/2024	3-4'	х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
	1/18/2024	0-1'	х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	< 0.300	3,360
	1/18/2024	1-2'	х	-	<10.0	<10.0	<10.0	<10.0	< 0.050	< 0.050	<0.050	<0.150	< 0.300	848
AH-3	1/18/2024	2-3'	х	-	<10.0	<10.0	<10.0	<10.0	<0.050	< 0.050	< 0.050	<0.150	< 0.300	256
	1/18/2024	3-4'	х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
H-1	1/18/2024	0-1'	х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
H-2	1/18/2024	0-1'	х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
H-3	1/18/2024	0-1'	х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
H-4	1/18/2024	0-1'	х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0

NOTES

RRALs (Recommended Remediation Action Levels) are based on NMOCD (New Mexico Oil Conservation Devision) Guidelines for Remediation of Leaks, Spills, and Releases.

All screening values and results are presented in milligrams per kilogram (mg/kg)

Bolded cells represent a detected concentration above the respective screening value.

< = analyte was not detected above the respective sample detection limit

ft = feet below ground surface

(-) = not analyzed for respective constituent

TPH = total petroleum hydrocarbons

BTEX = benzene, toluene, ethylbenzene, xylene

Exceedance

Table 2 Second Release Delineation Assessment Analytical Results **Chevron MCBU** Hayhurst NM Section 9 CTB Eddy County, New Mexico

Sample ID	Sample Date	Excavtion Depth (ft)		Status		TPH (n			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
RRALs		,	In-Situ	Removed	GRO	DRO	MRO	Total 100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
	2/26/2024	0-1'	X	-	42.9	52.4	<15.0	95.3	< 0.000384	<0.000455	<0.000564	< 0.00101	< 0.00101	4170
DU 4	2/26/2024	1-2'	x	-	47.5	32.9	<15.0	80.4	< 0.000381	<0.000451	<0.000559	<0.00100	<0.00100	122
BH-1	2/26/2024	2-3'	x	-	48.3	38.4	<15.0	86.7	<0.000387	< 0.000458	<0.000567	<0.00101	<0.00101	78.2
	2/26/2024	3-4'	Х	-	45.8	39.2	<15.1	85.0	<0.000389	<0.000461	<0.000571	<0.00102	<0.00102	133
	2/26/2024	0-1'	x	-	45.8	40.4	<15.2	86.2	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	90.8
BH-2	2/26/2024	1-2'	х	-	42.0	37.8	<15.2	79.8	<0.000381	<0.000451	<0.000559	<0.00100	<0.00100	167
ВП-2	2/26/2024	2-3'	х	-	40.6	34.4	<14.9	75.0	<0.000385	<0.000456	<0.000565	<0.00101	<0.00101	133
	2/26/2024	3-4'	х	-	39.8	40.0	<15.0	79.8	<0.000383	<0.000454	<0.000563	<0.00101	<0.00101	77.6
	2/26/2024	0-1'	x	-	43.6	38.2	<15.0	81.8	< 0.000387	<0.000458	<0.000567	< 0.00101	<0.00101	4340
BH-3	2/26/2024	1-2'	х	-	42.3	36.7	<14.9	79.0	<0.000388	<0.000460	<0.000570	< 0.00102	<0.00102	517
ВП-3	2/26/2024	2-3'	Х	-	40.9	33.5	<15.0	74.4	<0.000387	< 0.000459	<0.000568	<0.00102	<0.00102	95.8
	2/26/2024	3-4'	х	-	46.3	35.2	<14.9	81.5	<0.000387	<0.000458	<0.000567	<0.00101	<0.00101	129
	2/26/2024	0-1'	x	-	47.1	35.4	<15.0	82.5	<0.000383	<0.000454	<0.000563	<0.00101	<0.00101	868
	2/26/2024	1-2'	х	-	48.9	35.0	<15.1	83.9	< 0.000383	<0.000453	<0.000562	<0.00100	<0.00100	106
BH-4	2/26/2024	2-3'	х	-	49.1	34.1	<15.0	83.2	<0.000381	<0.000451	<0.000559	<0.00100	<0.00100	136
	2/26/2024	3-4'	х	-	48.9	30.2	<15.1	79.1	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	115
B-1	2/26/2024	0-1'	X	-	44.5	39.2	<14.9	83.7	<0.000383	<0.000454	<0.000563	<0.00101	<0.00101	281
B-2	2/26/2024	0-1'	X	-	38.8	43.4	<15.2	82.2	<0.000387	<0.000458	<0.000567	<0.00101	<0.00101	124
B-3	2/26/2024	0-1'	X	-	47.8	47.4	<14.9	95.2	<0.000388	<0.000460	<0.000570	<0.00102	<0.00102	71.8
B-4	2/26/2024	0-1'	Х	-	42.0	110	<15.0	152	<0.000383	<0.000453	<0.000562	<0.00100	<0.00100	826
D-4	5/2/2024	1.5'	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192.0

NOTES

RRALs (Recommended Remediation Action Levels) are based on NMOCD (New Mexico Oil Conservation Devision) Guidelines for Remediation of Leaks, Spills, and Releases. All screening values and results are presented in milligrams per kilogram (mg/kg)

Bolded cells represent a detected concentration above the respective screening value.

< = analyte was not detected above the respective sample detection limit

ft = feet below ground surface

(-) = not analyzed for respective constituent

TPH = total petroleum hydrocarbons

BTEX = benzene, toluene, ethylbenzene, xylene

Exceedance

Table 3Soil Remediation Analytical ResultsChevron MCBUHayhurst NM Section 9 CTBEddy County, New Mexico

Sample ID	Sample Date	Excavtion	Soil	Status		TPH (n	ng/kg)		Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride
	Cample Date	Depth (ft)	In-Situ	Removed	GRO	DRO	MRO	Total	Denzene (mg/kg)	roluene (ing/kg)	(mg/kg)			(mg/kg)
RRALs								100 mg/kg	10 mg/kg					600 mg/kg
BTM-1	5/2/2024	1.5'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	mg/kg <0.300	112
BTM-2	5/2/2024	1'	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
BTM-3	5/2/2024	1'	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
BTM-4	5/2/2024	1'	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
BTM-5	5/2/2024	1'	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
BTM-6	5/2/2024	1'	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
BTM-7	5/2/2024	1'	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
BTM-8	5/2/2024	1'	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
BTM-9	5/2/2024	1'	-	Х	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	656
	5/6/2024	1.5'	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	< 0.300	80.0
BTM-10	5/2/2024	1'	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
BTM-11	5/2/2024	1'	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
BTM-12	5/16/2024	1'	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
BTM-13	5/16/2024	1'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
BTM-14	5/16/2024	1'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
BTM-15	5/16/2024	1'	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
BTM-16	5/16/2024	0.5'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1090
BTM-17	5/16/2024	0.5'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2120
BTM-18	5/16/2024	0.5'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1740
BTM-19	5/16/2024	0.5'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1600
BTM-20	5/16/2024	1'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
BTM-21	5/16/2024	1'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
NSW-1	5/2/2024	0-1'	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
ESW-1	5/16/2024	0-0.5'	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
ESW-2	5/16/2024	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
ESW-3	5/16/2024	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SSW-1	5/16/2024	0-1.5'	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
WSW-1	5/16/2024	0-1'	-	Х	<10.0	<10.0	<10.0	<10.0	< 0.050	< 0.050	< 0.050	<0.150	<0.300	608
	5/20/2024	0-1'	X	-	<10.0	<10.0	<10.0	<10.0	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	112
WSW-2	5/19/2024	0-0.5'	X	-	<10.0	<10.0	<10.0	<10.0	< 0.050	< 0.050	< 0.050	<0.150	<0.300	3000
SWSW-1	5/16/2024	-	X	-	<10.0	<10.0	<10.0	<10.0	< 0.050	<0.050	< 0.050	<0.150	<0.300	336
ISW-1	5/2/2024	0-1'	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416

Table 3 Soil Remediation Analytical Results **Chevron MCBU** Hayhurst NM Section 9 CTB Eddy County, New Mexico

Sample ID	Sample Date	Excavtion	Soil	Status		TPH (n	ng/kg)		Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride
		Depth (ft)	In-Situ	Removed	GRO	DRO	MRO	Total			(mg/kg)			(mg/kg)
RRALs								100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
ISW-2	5/16/2024	0-0.5'	х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4080
ISW-3	5/16/2024	0-0.5'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1880
ISW-4	5/16/2024	0-0.5'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3960
ISW-5	5/16/2024	0-0.5'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3920
SCS-1	5/20/2024	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128

NOTES

RRALs (Recommended Remediation Action Levels) are based on NMOCD (New Mexico Oil Conservation Devision) Guidelines for Remediation of Leaks, Spills, and Releases. All screening values and results are presented in milligrams per kilogram (mg/kg)

Bolded cells represent a detected concentration above the respective screening value.

< = analyte was not detected above the respective sample detection limit

ft = feet below ground surface

(-) = not analyzed for respective constituent

TPH = total petroleum hydrocarbons

BTEX = benzene, toluene, ethylbenzene, xylene

Exceedance





Appendix A

Site Characterization

Site Characterization Summary

Site Information:

Chevron MCBU Hayhurst NM Section 9 CTB Eddy County, New Mexico T26S, R27E, Section 9, Unit M (32.05254458°, -104.20154454°)

Site Characterization:

-Medium Karst -No significant water features within specified distances -Groundwater 19' BGS 1.88 Miles North. (NMOSE, Section 33, 1998 Sample) -Groundwater 17.75' BGS 0.64 Miles Northeast. (USGS, Section 7, 2003 Sample) -Groundwater 8.94' BGS 1.05 Miles Northwest. (USGS, Section 8, 2013 Sample)

RRALs:

-600 mg/kg Chlorides -100 mg/kg Total TPH -10 mg/kg Benzene -50 mg/kg Total BTEX

Explanation:

Due to inadequate groundwater information (distance further than ½ mile/data dated >25 years), Most stringent RRALs will be followed unless groundwater determination bore is drilled, and no water is found at depths of at least 55' BGS or greater. However, based on the researched data, groundwater is reported shallow (below 50') to the North, West, and East.

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Hayhurst NM Section 9 CTB

Google Earth

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Legend

Page 23 of 114



Basemap Imagery Source: USGS National Map 2023



New Mexico Office of the State Engineer **Point of Diversion Summary**

			· 1	are 1=N								
				rs are sma					TM in meters)			
Well Tag	POD	Number	Q64 Q	16 Q4	Sec	Tws	Rng	Х	Y			
	C 0	2588	3	4 3	33	25S	27E	575645	3549575* 🌍)		
Driller Lice	ense:	1348	Driller C	Compar	ıy:	TAY	LOR W	ATER WE	LL SERVICE			
Driller Nar	ne:											
Drill Start	Date:	05/31/1998	Drill Fin	ish Da	te:	0	5/03/199	8 Pl	ug Date:			
Log File Da	ate:	08/24/1998	PCW Ro	v Date	:			So	urce:	Shallow		
Pump Type	:		Pipe Dis	charge	Size:			Es	timated Yield:	2 GPM		
Casing Size	e:	5.00	Depth W	ell:		8	l feet	De	pth Water:	19 feet		
	Wate	er Bearing Stratif	ications:	То	op l	Bottom	Descr	iption				
					21	23	Other/	Unknown				
				:	52	81	Other/	Unknown				
		Casing Per	forations:	orations: Top			L					
					53	81						

*UTM location was derived from PLSS - see Help

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

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POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer **Point of Diversion Summary**

			(quarters	are 1=N	W 2=N	JE 3=SW	4=SE)			
			(quarter	rs are sma	illest to	o largest)		(NAD83 U	TM in meters)	
Well Tag	POD	Number	Q64 Q	16 Q4	Sec	Tws	Rng	Χ	Y	
	C 0	2588	3	4 3	33	25S	27E	575645	3549575* 🌍	
x Driller Lice	ense:	1348	Driller C	Compar	ıy:	TAY	LOR W	VATER WE	LL SERVICE	
Driller Naı	me:									
Drill Start	Date:	05/31/1998	Drill Fin	ish Dat	te:	0	5/03/199	98 Pl i	ug Date:	
Log File Da	ate:	08/24/1998	PCW Ro	v Date	:			So	urce:	Shallow
Pump Type	e:		Pipe Dis	charge	Size:		Es	timated Yield:	2 GPM	
Casing Size	e:	5.00	Depth W	/ell:		8	feet	De	pth Water:	19 feet
X	Wate	er Bearing Stratif	ications:	Тс	op l	Bottom	Desci	ription		
				2	21	23	Other	/Unknown		
				4	52	81	Other	/Unknown		
X		Casing Per	forations:	Te	op l	Bottom				
				4	53	81				

*UTM location was derived from PLSS - see Help

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

1/18/24 9:05 AM

POINT OF DIVERSION SUMMARY

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National Water Information System: Web Interface

USGS Water Resources

 Data Category:
 Geographic Area:

 Groundwater
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Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

Agency code = usgs site_no list =

• 320343104110201

Minimum number of levels = 1 <u>Save file of selected sites</u> to local disk for future upload

USGS 320343104110201 26S.27E.08.13230

Eddy County, New Mexico Latitude 32°03'32.4", Longitude 104°13'03.9" NAD83 Land-surface elevation 3,182.10 feet above NGVD29 This well is completed in the Other aquifers (N9999OTHER) national aquifer. This well is completed in the Castile Formation (312CSTL) local aquifer.

Output formats

Table of data	
Tab-separated data	
Graph of data	
Reselect period	

.

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1978-01-03		D	62610		3164.52	NGVD29	1	Z			
1978-01-03		D	62611		3166.18	NAVD88	1	Z			
1978-01-03		D	72019	17.58			1	Z			
1983-01-05		D	62610		3166.54	NGVD29	1	Z			
1983-01-05		D	62611		3168.20	NAVD88	1	Z			
1983-01-05		D	72019	15.56			1	Z			
1987-10-08		D	62610		3167.72	NGVD29	1	Z			
1987-10-08		D	62611		3169.38	NAVD88	1	Z			
1987-10-08		D	72019	14.38			1	Z			
1992-11-04		D	62610		3165.85	NGVD29	1	S			
1992-11-04		D	62611		3167.51	NAVD88	1	S			
1992-11-04		D	72019	16.25			1	S			
1998-01-13		D	62610		3165.45	NGVD29	1	_			
1998-01-13		D	62611		3167.11	NAVD88	1	_			
1998-01-13		D	72019	16.65			1	_			
2003-01-28		D	62610		3164.88	NGVD29	1		USGS		
2003-01-28		D	62611		3166.54	NAVD88	1				
2003-01-28		D	72019	17.22			1	S			
	21:45 UTC		62610		3173.16	NGVD29	1				
	21:45 UTC		62611		3174.82	NAVD88	1		USGS		
2013-01-09	21:45 UTC	m	72019	8.94			1	S	USGS	S	5

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface

Section	Code	Description
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	А	Approved for publication Processing and review completed.

Questions or Comments Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

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U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2024-01-18 10:46:28 EST 0.29 0.25 nadww02 Received by OCD: 6/24/2024 1:55:18 PM

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National Water Information System: Web Interface

USGS Water Resources

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Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

Agency code = usgs

site no list =

• 320323104112901

Minimum number of levels = 1Save file of selected sites to local disk for future upload

USGS 320323104112901 26S.27E.07.414444

Eddy County, New Mexico Latitude 32°03'23", Longitude 104°11'29" NAD27 Land-surface elevation 3,268 feet above NAVD88 This well is completed in the Other aquifers (N9999OTHER) national aquifer. This well is completed in the Castile Formation (312CSTL) local aquifer.

Output formats

Table of data	
Tab-separated data	
Graph of data	
Reselect period	

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.

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1978-01-25	5	D	62610		3257.04	NGVD29	1	Z			
1978-01-25	5	D	62611		3258.69	NAVD88	1	Z			
1978-01-25	5	D	72019	9.31			1	Z			
1983-01-25	5	D	62610		3258.77	NGVD29	Р	Z			
1983-01-25	5	D	62611		3260.42	NAVD88	Р	Z			
1983-01-25	5	D	72019	7.58			Р	Z			
1987-10-08	3	D	62610		3258.70	NGVD29	1	Z			
1987-10-08	3	D	62611		3260.35	NAVD88	1	Z			
1987-10-08	3	D	72019	7.65			1	Z			
1988-04-07	7	D	62610		3259.93	NGVD29	1	Z			
1988-04-07	7	D	62611		3261.58	NAVD88	1	Z			
1988-04-07	7	D		6.42			1	Z			
1992-11-18		D			3257.57	NGVD29	1	S			
1992-11-18		D			3259.22	NAVD88	1				
1992-11-18		D		8.78			1	S			
1998-01-13		D			3252.60	NGVD29	1				
1998-01-13		D			3254.25	NAVD88	1	S			
1998-01-13		D		13.75			1	S		_	_
2003-01-28		D			3248.60	NGVD29	1	S			S
2003-01-28		D			3250.25	NAVD88	1	S			S
2003-01-28	3	D	72019	17.75			1	S	USGS	5	S

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988

Section	Code	Description
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	Р	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Nater-level approval status	А	Approved for publication Processing and review completed.

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Hayhurst 9 CTB



January 4, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- **Freshwater Pond**

Lake Other Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

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Appendix B

Analytical Laboratory Reports



May 03, 2024

JOHN FAUGHT TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: HAYHURST NM SECTION 9 CTB

Enclosed are the results of analyses for samples received by the laboratory on 05/02/24 16:26.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/02/2024	Sampling Date:	05/02/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389 TASK 300	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: BTM - 1 (1.5') (H242383-01)

BTEX 8021B	mg/kg		Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2024	ND	2.03	101	2.00	1.16	
Toluene*	<0.050	0.050	05/02/2024	ND	2.04	102	2.00	0.944	
Ethylbenzene*	<0.050	0.050	05/02/2024	ND	2.05	103	2.00	0.930	
Total Xylenes*	<0.150	0.150	05/02/2024	ND	5.95	99.2	6.00	0.677	
Total BTEX	<0.300	0.300	05/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/03/2024	ND	416	104	400	10.9	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	208	104	200	4.61	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	205	102	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					
Surrogate: 1-Chlorooctane	91.1% 48.2-13		4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager


TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/02/2024	Sampling Date:	05/02/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389 TASK 300	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: BTM - 2 (1') (H242383-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2024	ND	2.03	101	2.00	1.16	
Toluene*	<0.050	0.050	05/02/2024	ND	2.04	102	2.00	0.944	
Ethylbenzene*	<0.050	0.050	05/02/2024	ND	2.05	103	2.00	0.930	
Total Xylenes*	<0.150	0.150	05/02/2024	ND	5.95	99.2	6.00	0.677	
Total BTEX	<0.300	0.300	05/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/03/2024	ND	416	104	400	10.9	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	208	104	200	4.61	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	205	102	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					
Surrogate: 1-Chlorooctane	90.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 :	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/02/2024	Sampling Date:	05/02/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389 TASK 300	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: BTM - 3 (1') (H242383-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2024	ND	2.03	101	2.00	1.16	
Toluene*	<0.050	0.050	05/02/2024	ND	2.04	102	2.00	0.944	
Ethylbenzene*	<0.050	0.050	05/02/2024	ND	2.05	103	2.00	0.930	
Total Xylenes*	<0.150	0.150	05/02/2024	ND	5.95	99.2	6.00	0.677	
Total BTEX	<0.300	0.300	05/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/03/2024	ND	416	104	400	10.9	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	208	104	200	4.61	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	205	102	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					
Surrogate: 1-Chlorooctane	95.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/02/2024	Sampling Date:	05/02/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389 TASK 300	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: BTM - 4 (1') (H242383-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2024	ND	2.03	101	2.00	1.16	
Toluene*	<0.050	0.050	05/02/2024	ND	2.04	102	2.00	0.944	
Ethylbenzene*	<0.050	0.050	05/02/2024	ND	2.05	103	2.00	0.930	
Total Xylenes*	<0.150	0.150	05/02/2024	ND	5.95	99.2	6.00	0.677	
Total BTEX	<0.300	0.300	05/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/03/2024	ND	416	104	400	10.9	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	208	104	200	4.61	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	205	102	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					
Surrogate: 1-Chlorooctane	85.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/02/2024	Sampling Date:	05/02/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389 TASK 300	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: BTM - 5 (1') (H242383-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2024	ND	2.03	101	2.00	1.16	
Toluene*	<0.050	0.050	05/02/2024	ND	2.04	102	2.00	0.944	
Ethylbenzene*	<0.050	0.050	05/02/2024	ND	2.05	103	2.00	0.930	
Total Xylenes*	<0.150	0.150	05/02/2024	ND	5.95	99.2	6.00	0.677	
Total BTEX	<0.300	0.300	05/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/03/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	208	104	200	4.61	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	205	102	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					
Surrogate: 1-Chlorooctane	89.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/02/2024	Sampling Date:	05/02/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389 TASK 300	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: BTM - 6 (1') (H242383-06)

BTEX 8021B	mg	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2024	ND	2.03	101	2.00	1.16	
Toluene*	<0.050	0.050	05/02/2024	ND	2.04	102	2.00	0.944	
Ethylbenzene*	<0.050	0.050	05/02/2024	ND	2.05	103	2.00	0.930	
Total Xylenes*	<0.150	0.150	05/02/2024	ND	5.95	99.2	6.00	0.677	
Total BTEX	<0.300	0.300	05/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/03/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	208	104	200	4.61	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	205	102	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/02/2024	Sampling Date:	05/02/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389 TASK 300	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: BTM - 7 (1') (H242383-07)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2024	ND	2.03	101	2.00	1.16	
Toluene*	<0.050	0.050	05/02/2024	ND	2.04	102	2.00	0.944	
Ethylbenzene*	<0.050	0.050	05/02/2024	ND	2.05	103	2.00	0.930	
Total Xylenes*	<0.150	0.150	05/02/2024	ND	5.95	99.2	6.00	0.677	
Total BTEX	<0.300	0.300	05/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/03/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	208	104	200	4.61	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	205	102	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					
Surrogate: 1-Chlorooctane	95.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

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TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/02/2024	Sampling Date:	05/02/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389 TASK 300	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: BTM - 8 (1') (H242383-08)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2024	ND	2.03	101	2.00	1.16	
Toluene*	<0.050	0.050	05/02/2024	ND	2.04	102	2.00	0.944	
Ethylbenzene*	<0.050	0.050	05/02/2024	ND	2.05	103	2.00	0.930	
Total Xylenes*	<0.150	0.150	05/02/2024	ND	5.95	99.2	6.00	0.677	
Total BTEX	<0.300	0.300	05/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	05/03/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	208	104	200	4.61	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	205	102	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					
Surrogate: 1-Chlorooctane	90.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/02/2024	Sampling Date:	05/02/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389 TASK 300	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: BTM - 9 (1') (H242383-09)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2024	ND	2.03	101	2.00	1.16	
Toluene*	<0.050	0.050	05/02/2024	ND	2.04	102	2.00	0.944	
Ethylbenzene*	<0.050	0.050	05/02/2024	ND	2.05	103	2.00	0.930	
Total Xylenes*	<0.150	0.150	05/02/2024	ND	5.95	99.2	6.00	0.677	
Total BTEX	<0.300	0.300	05/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	05/03/2024	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	208	104	200	4.61	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	205	102	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					
Surrogate: 1-Chlorooctane	81.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.2	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/02/2024	Sampling Date:	05/02/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389 TASK 300	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: BTM - 10 (1') (H242383-10)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2024	ND	2.03	101	2.00	1.16	
Toluene*	<0.050	0.050	05/02/2024	ND	2.04	102	2.00	0.944	
Ethylbenzene*	<0.050	0.050	05/02/2024	ND	2.05	103	2.00	0.930	
Total Xylenes*	<0.150	0.150	05/02/2024	ND	5.95	99.2	6.00	0.677	
Total BTEX	<0.300	0.300	05/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/03/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	208	104	200	4.61	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	205	102	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					
Surrogate: 1-Chlorooctane	92.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109 9	% 49.1-14	8						

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TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/02/2024	Sampling Date:	05/02/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389 TASK 300	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: BTM - 11 (1') (H242383-11)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2024	ND	2.03	101	2.00	1.16	
Toluene*	<0.050	0.050	05/02/2024	ND	2.04	102	2.00	0.944	
Ethylbenzene*	<0.050	0.050	05/02/2024	ND	2.05	103	2.00	0.930	
Total Xylenes*	<0.150	0.150	05/02/2024	ND	5.95	99.2	6.00	0.677	
Total BTEX	<0.300	0.300	05/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/03/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	208	104	200	4.61	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	205	102	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					
Surrogate: 1-Chlorooctane	94.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/02/2024	Sampling Date:	05/02/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389 TASK 300	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: NSW - 1 (0-1) (H242383-12)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2024	ND	2.03	101	2.00	1.16	
Toluene*	<0.050	0.050	05/02/2024	ND	2.04	102	2.00	0.944	
Ethylbenzene*	<0.050	0.050	05/02/2024	ND	2.05	103	2.00	0.930	
Total Xylenes*	<0.150	0.150	05/02/2024	ND	5.95	99.2	6.00	0.677	
Total BTEX	<0.300	0.300	05/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/03/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	208	104	200	4.61	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	205	102	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					
Surrogate: 1-Chlorooctane	91.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/02/2024	Sampling Date:	05/02/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389 TASK 300	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: ISW - 1 (0-1) (H242383-13)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2024	ND	2.03	101	2.00	1.16	
Toluene*	<0.050	0.050	05/02/2024	ND	2.04	102	2.00	0.944	
Ethylbenzene*	<0.050	0.050	05/02/2024	ND	2.05	103	2.00	0.930	
Total Xylenes*	<0.150	0.150	05/02/2024	ND	5.95	99.2	6.00	0.677	
Total BTEX	<0.300	0.300	05/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	05/03/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	208	104	200	4.61	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	205	102	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					
Surrogate: 1-Chlorooctane	90.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/02/2024	Sampling Date:	05/02/2024
Reported:	05/03/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389 TASK 300	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: B - 4 (1.5') (H242383-14)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2024	ND	2.03	101	2.00	1.16	
Toluene*	<0.050	0.050	05/02/2024	ND	2.04	102	2.00	0.944	
Ethylbenzene*	<0.050	0.050	05/02/2024	ND	2.05	103	2.00	0.930	
Total Xylenes*	<0.150	0.150	05/02/2024	ND	5.95	99.2	6.00	0.677	
Total BTEX	<0.300	0.300	05/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/03/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2024	ND	213	106	200	8.10	
DRO >C10-C28*	<10.0	10.0	05/03/2024	ND	199	99.3	200	6.45	
EXT DRO >C28-C36	<10.0	10.0	05/03/2024	ND					
Surrogate: 1-Chlorooctane	87.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.3	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Received by OCD: 6/24/2024 1:55:18 PM

Page 51 of 114

Page 17 of 18

Received by OCD: 6/24/2024 1:55:18 PM

		Relinquished by:	9	Relinquished by:	Relinquished by:						Ju B		7. Z	B	(LAB USE)	HUUUSSS		Ш	Comments:	Receiving Laboratory:	Invoice to:	Project Location: (county, state)	Project Name:	Client Name:	5	Analysis Requ
		Date: Time:		Time:	Date: Time: 5/2/24 1626					3	B-4 (1.5')	ISW-1 (0-1')	NSW-1 (0-1')	BTM-11 (1')		SAMPLE IDENTIFICATION		Email: john.faught1@tetratech.com; clair.gonzales@tetratech.com		vy: Cardinal Laboratories	john.faught1@tetratech.com; OGA.ECS.AccountsPayable@tetratech.com	Eddy County, TX	Hayhurst NM Section 9 CTB	Chevron	Tetra Tech, Inc.	Analysis Request of Chain of Custody Record
ORIGINAL COPY		Received by:		Received by:	Heceived by:					+	5/2/2024	5/2/2024	5/2/2024	5/2/2024	DATE	YEAR:	SAMPLING	h.com		Sampler Signature:		Project #:		Site Manager:		
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Page 52 of 114



May 07, 2024

JOHN FAUGHT TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: HAYHURST NM SECTION 9 CTB

Enclosed are the results of analyses for samples received by the laboratory on 05/06/24 14:44.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/06/2024	Sampling Date:	05/06/2024
Reported:	05/07/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389	Sample Received By:	Shalyn Rodriguez
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: BTM - 9 1.5' (H242430-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2024	ND	2.04	102	2.00	5.40	
Toluene*	<0.050	0.050	05/06/2024	ND	2.02	101	2.00	5.88	
Ethylbenzene*	<0.050	0.050	05/06/2024	ND	2.00	100	2.00	6.62	
Total Xylenes*	<0.150	0.150	05/06/2024	ND	5.88	98.0	6.00	6.87	
Total BTEX	<0.300	0.300	05/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/07/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2024	ND	203	101	200	3.52	
DRO >C10-C28*	<10.0	10.0	05/06/2024	ND	204	102	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	05/06/2024	ND					
Surrogate: 1-Chlorooctane	86.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.8	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Received by	OCD: 6/2	4/20 elinguished by:	18 PM		-	(LAB USE)	大山まいち0	En	Comments:	Invoice to:	Project Location: (county, state)	Project Name:	Client Name:		ge 56 Analysis Requ	of 114
	Date: Time:	Date: Time: Unighten 5/6/24 1444 Date: Time:			BTM-9 1,5'		SAMPLE IDENTIFICATION	Email: john.faught1@tetratech.com; clair.gonzales@tetratech.com		john.faught1@tetratech.com; OGA.ECS.AccountsPayable@tetratech.com	Eddy County, TX	Hayhurst NM Section 9 CTB	Chevron	Tetra Tech, Inc.	Analysis Request of Chain of Custody Record	
ORIGINAL COPY	Received by: Date: Time:	Received by: Date: Time: Received by: Date: J Time:				DATE TIME WATEF SOIL HCL HNO ₃ ICE	AATRIX PRESERVATIVE METHOD AINERS		Sampler Signature: Brady Vaughn		Project #: 212C-MD-03389		Site Manager: John Faught	901 W Wall Street, Ste 100 Midland,Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946		
(Circle) HAND DELIVERED FEDEX UPS Tracking #:	S-1 & Rush Charges Authorized	AB USE REMARKS: Sample Temperature X RUSH: Same Day 24 hr 48 hr 72 hr				TPH 801 PAH 827 Total Met TCLP Me TCLP Vol TCLP Ser RCI GC/MS V GC/MS S PCB's 80 NORM PLM (Asb Chloride S Chloride General V	218 BT 005 (Ext td 55M (GRO 00C als Ag As I als Ag As gAs atiles atiles mi Volatiles atiles ol. 8260B emi. Vol. 6 882 / 608 sestos) SM4500 SM4500	- DRO - (Ba Cd Cr Ba Cd Cr 5 / 624 3270C/628 TDS mistry (se	DRO - I Pb Se I Pb Se	Hg	t)		ANALYSIS REQUEST	Page 4	Page of of 4	

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Released to Imaging: 6/25/2024 3:13:08 PM



May 20, 2024

JOHN FAUGHT TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: HAYHURST NM SECTION 9 CTB

Enclosed are the results of analyses for samples received by the laboratory on 05/17/24 9:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/17/2024	Sampling Date:	05/16/2024
Reported:	05/20/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389	Sample Received By:	Shalyn Rodriguez
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: BTM - 12 (1') (H242733-01)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.10	105	2.00	1.96	
Toluene*	<0.050	0.050	05/17/2024	ND	2.14	107	2.00	7.69	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.20	110	2.00	7.98	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	6.49	108	6.00	7.81	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	201	101	200	2.64	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	200	99.8	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	98.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.1	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/17/2024	Sampling Date:	05/16/2024
Reported:	05/20/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389	Sample Received By:	Shalyn Rodriguez
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: BTM - 13 (1') (H242733-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.10	105	2.00	1.96	
Toluene*	<0.050	0.050	05/17/2024	ND	2.14	107	2.00	7.69	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.20	110	2.00	7.98	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	6.49	108	6.00	7.81	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	201	101	200	2.64	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	200	99.8	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.5	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/17/2024	Sampling Date:	05/16/2024
Reported:	05/20/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389	Sample Received By:	Shalyn Rodriguez
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: BTM - 14 (1') (H242733-03)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.10	105	2.00	1.96	
Toluene*	<0.050	0.050	05/17/2024	ND	2.14	107	2.00	7.69	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.20	110	2.00	7.98	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	6.49	108	6.00	7.81	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	201	101	200	2.64	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	200	99.8	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/17/2024	Sampling Date:	05/16/2024
Reported:	05/20/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389	Sample Received By:	Shalyn Rodriguez
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: BTM - 15 (1') (H242733-04)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.10	105	2.00	1.96	
Toluene*	<0.050	0.050	05/17/2024	ND	2.14	107	2.00	7.69	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.20	110	2.00	7.98	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	6.49	108	6.00	7.81	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	201	101	200	2.64	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	200	99.8	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	97.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.4	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/17/2024	Sampling Date:	05/16/2024
Reported:	05/20/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389	Sample Received By:	Shalyn Rodriguez
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: BTM - 16 (0.5') (H242733-05)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	1.89	94.5	2.00	0.904	
Toluene*	<0.050	0.050	05/17/2024	ND	1.81	90.5	2.00	0.610	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.80	90.0	2.00	1.30	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.93	98.8	6.00	0.235	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	05/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	201	101	200	2.64	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	200	99.8	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	113 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/17/2024	Sampling Date:	05/16/2024
Reported:	05/20/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389	Sample Received By:	Shalyn Rodriguez
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: BTM - 17 (0.5') (H242733-06)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	1.89	94.5	2.00	0.904	
Toluene*	<0.050	0.050	05/17/2024	ND	1.81	90.5	2.00	0.610	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.80	90.0	2.00	1.30	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.93	98.8	6.00	0.235	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	05/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	201	101	200	2.64	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	200	99.8	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	112 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	109 9	% 49.1-14	8						

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TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/17/2024	Sampling Date:	05/16/2024
Reported:	05/20/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389	Sample Received By:	Shalyn Rodriguez
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: BTM - 18 (0.5') (H242733-07)

BTEX 8021B	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	1.89	94.5	2.00	0.904	
Toluene*	<0.050	0.050	05/17/2024	ND	1.81	90.5	2.00	0.610	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.80	90.0	2.00	1.30	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.93	98.8	6.00	0.235	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1740	16.0	05/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.6	200	0.846	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	169	84.6	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	96.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/17/2024	Sampling Date:	05/16/2024
Reported:	05/20/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389	Sample Received By:	Shalyn Rodriguez
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: BTM - 19 (0.5') (H242733-08)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	1.89	94.5	2.00	0.904	
Toluene*	<0.050	0.050	05/17/2024	ND	1.81	90.5	2.00	0.610	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.80	90.0	2.00	1.30	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.93	98.8	6.00	0.235	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1600	16.0	05/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.6	200	0.846	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	169	84.6	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	94.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/17/2024	Sampling Date:	05/16/2024
Reported:	05/20/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389	Sample Received By:	Shalyn Rodriguez
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: BTM - 20 (1.5') (H242733-09)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	1.89	94.5	2.00	0.904	
Toluene*	<0.050	0.050	05/17/2024	ND	1.81	90.5	2.00	0.610	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.80	90.0	2.00	1.30	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.93	98.8	6.00	0.235	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.6	200	0.846	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	169	84.6	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	86.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.0	% 49.1-14	8						

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TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/17/2024	Sampling Date:	05/16/2024
Reported:	05/20/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389	Sample Received By:	Shalyn Rodriguez
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: BTM - 21 (0.5') (H242733-10)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	1.89	94.5	2.00	0.904	
Toluene*	<0.050	0.050	05/17/2024	ND	1.81	90.5	2.00	0.610	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.80	90.0	2.00	1.30	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.93	98.8	6.00	0.235	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.6	200	0.846	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	169	84.6	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	87.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.2	% 49.1-14	8						

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TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/17/2024	Sampling Date:	05/16/2024
Reported:	05/20/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389	Sample Received By:	Shalyn Rodriguez
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: WSW - 1 (0 - 1') (H242733-11)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	1.89	94.5	2.00	0.904	
Toluene*	<0.050	0.050	05/17/2024	ND	1.81	90.5	2.00	0.610	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.80	90.0	2.00	1.30	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.93	98.8	6.00	0.235	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	05/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.6	200	0.846	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	169	84.6	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	93.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/17/2024	Sampling Date:	05/16/2024
Reported:	05/20/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389	Sample Received By:	Shalyn Rodriguez
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: SWSW - 1 (H242733-12)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	1.89	94.5	2.00	0.904	
Toluene*	<0.050	0.050	05/17/2024	ND	1.81	90.5	2.00	0.610	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.80	90.0	2.00	1.30	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.93	98.8	6.00	0.235	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	05/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.6	200	0.846	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	169	84.6	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	71.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.3	% 49.1-14	8						

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TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/17/2024	Sampling Date:	05/16/2024
Reported:	05/20/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389	Sample Received By:	Shalyn Rodriguez
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: ESW - 1 (0 - 6") (H242733-13)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	1.89	94.5	2.00	0.904	
Toluene*	<0.050	0.050	05/17/2024	ND	1.81	90.5	2.00	0.610	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.80	90.0	2.00	1.30	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.93	98.8	6.00	0.235	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.6	200	0.846	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	169	84.6	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	99.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/17/2024	Sampling Date:	05/16/2024
Reported:	05/20/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389	Sample Received By:	Shalyn Rodriguez
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: SSW - 1 (0 - 1.5') (H242733-14)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	1.89	94.5	2.00	0.904	
Toluene*	<0.050	0.050	05/17/2024	ND	1.81	90.5	2.00	0.610	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.80	90.0	2.00	1.30	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.93	98.8	6.00	0.235	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.6	200	0.846	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	169	84.6	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	92.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit	
RPD	Relative Percent Difference	
**	Samples not received at proper temperature of 6°C or below.	
***	Insufficient time to reach temperature.	
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C	

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager
		finquished by:	Le	elingqished by:	Matt Castrejon	Relinquished by:	2	9	2	1	6	r	5	S	2	-	LAB USE ONLY	LAB #	1242733		Comments:	Receiving Laboratory:	Invoice to:	Project Location: (county, state)	Project Name:		
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		Date: Time:	in.	Date: Time:	0	Date: Time:												SAMPLE IDENTIFICATION		Email: john.faught1@tetratech.com; clair.gonzales@tetratech.com	Cardinal Laboratories		john.faught1@tetratech.com; OGA.ECS.AccountsPavable@tetratech.com	Eddy County, TX	Hayhurst NM Section 9 CTB		l'etra Tech, Inc.
		Received by:	Son Di	Bahaivad hv:	Al.	Received by:	5/16/0024	5/16/2024	5/16/2024	5/16/2024	5/16/2024	5/16/2024	5/16/2024	5/16/2024	5/16/2024	5/16/2024	DATE	YEAR:	SAMPLING	ch.com		Sampler Signature:	2	Project #:		Site Manager:	
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SampLinder Til (430) Researcher Tar (430) Research			11/24							SSW-1 (0-1.5')	ESW-1 (0-6")	SWSW-1	WSW-1 (0-1')		SAMPLE IDENTIFICATION		Email: john.faught1@tetratech.com; clair.gonzales@tetrate				Eddy County, TX	Hayhurst NM Section 9 CTB	Chevron	Tetra Tech, Inc.
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ANTYSIS RECUE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			YI .	D.						×	×	×	X	HNO ₃		PRESERVAT METHOD			t Castrejon	1209237	C-MD-03389		aught	W Wall Street, Ste 100 idland,Texas 79701 Fel (432) 682-4559 fax (432) 682-3946
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₹ <u> </u>		RP Report											- (General	Water	r Cher	nistry (see	attac	hed list)) 		

Released to Imaging: 6/25/2024 3:13:08 PM



May 20, 2024

JOHN FAUGHT TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: HAYHURST NM SECTION 9 CTB

Enclosed are the results of analyses for samples received by the laboratory on 05/17/24 9:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/17/2024	Sampling Date:	05/16/2024
Reported:	05/20/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389	Sample Received By:	Shalyn Rodriguez
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: ISW - 2 (0-6") (H242734-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	1.89	94.5	2.00	0.904	
Toluene*	<0.050	0.050	05/17/2024	ND	1.81	90.5	2.00	0.610	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.80	90.0	2.00	1.30	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.93	98.8	6.00	0.235	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4080	16.0	05/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.6	200	0.846	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	169	84.6	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	89.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/17/2024	Sampling Date:	05/16/2024
Reported:	05/20/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389	Sample Received By:	Shalyn Rodriguez
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: ISW - 3 (0-6") (H242734-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	1.89	94.5	2.00	0.904	
Toluene*	<0.050	0.050	05/17/2024	ND	1.81	90.5	2.00	0.610	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.80	90.0	2.00	1.30	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.93	98.8	6.00	0.235	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1880	16.0	05/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.6	200	0.846	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	169	84.6	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	98.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/17/2024	Sampling Date:	05/16/2024
Reported:	05/20/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389	Sample Received By:	Shalyn Rodriguez
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: ISW - 4 (0-6") (H242734-03)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	1.89	94.5	2.00	0.904	
Toluene*	<0.050	0.050	05/17/2024	ND	1.81	90.5	2.00	0.610	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.80	90.0	2.00	1.30	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.93	98.8	6.00	0.235	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3960	16.0	05/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.6	200	0.846	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	169	84.6	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	89.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/17/2024	Sampling Date:	05/16/2024
Reported:	05/20/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389	Sample Received By:	Shalyn Rodriguez
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: ISW - 5 (0-6") (H242734-04)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	1.89	94.5	2.00	0.904	
Toluene*	<0.050	0.050	05/17/2024	ND	1.81	90.5	2.00	0.610	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.80	90.0	2.00	1.30	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.93	98.8	6.00	0.235	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3920	16.0	05/20/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.6	200	0.846	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	169	84.6	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	86.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.5	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/17/2024	Sampling Date:	05/16/2024
Reported:	05/20/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389	Sample Received By:	Shalyn Rodriguez
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: WSW - 2 (0-6") (H242734-05)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	1.89	94.5	2.00	0.904	
Toluene*	<0.050	0.050	05/17/2024	ND	1.81	90.5	2.00	0.610	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.80	90.0	2.00	1.30	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.93	98.8	6.00	0.235	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3000	16.0	05/20/2024	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.6	200	0.846	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	169	84.6	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	97.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager





May 20, 2024

JOHN FAUGHT TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: HAYHURST NM SECTION 9 CTB

Enclosed are the results of analyses for samples received by the laboratory on 05/17/24 9:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/17/2024	Sampling Date:	05/16/2024
Reported:	05/20/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389	Sample Received By:	Shalyn Rodriguez
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: ESW - 2 (H242735-01)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	1.89	94.5	2.00	0.904	
Toluene*	<0.050	0.050	05/17/2024	ND	1.81	90.5	2.00	0.610	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.80	90.0	2.00	1.30	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.93	98.8	6.00	0.235	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	24						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/20/2024	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.6	200	0.846	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	169	84.6	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	85.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.6	% 49.1-14	18						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/17/2024	Sampling Date:	05/16/2024
Reported:	05/20/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389	Sample Received By:	Shalyn Rodriguez
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: ESW - 3 (H242735-02)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	1.89	94.5	2.00	0.904	
Toluene*	<0.050	0.050	05/17/2024	ND	1.81	90.5	2.00	0.610	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	1.80	90.0	2.00	1.30	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	5.93	98.8	6.00	0.235	
Total BTEX	<0.300	0.300	05/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/20/2024	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.6	200	0.846	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	169	84.6	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					
Surrogate: 1-Chlorooctane	92.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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May 22, 2024

JOHN FAUGHT TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: HAYHURST NM SECTION 9 CTB

Enclosed are the results of analyses for samples received by the laboratory on 05/21/24 11:32.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: WSW - 1 (0-1') (H242794-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	1.94	97.2	2.00	4.08	
Toluene*	<0.050	0.050	05/21/2024	ND	1.97	98.7	2.00	3.62	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.99	99.6	2.00	3.99	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	5.89	98.2	6.00	3.14	
Total BTEX	<0.300	0.300	05/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/22/2024	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	196	97.9	200	2.32	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	214	107	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					
Surrogate: 1-Chlorooctane	76.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.6	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

			Pelinquished by:	elinquished by:					1 N	LAB USE)	LAB #	HARHE		Receiving Laboratory:	Invoice to:	Project Location: (county, state)	Project Name:	Client Name:	5	nalysis Req
	Date: Time:		Date: Time:	Time:					WSW-1 (0-1')		SAMPLE IDENTIFICATION		Email: john.faught1@tetratech.com; clair.gonzales@tetratech.com		john.faught1 @tetratech.com; OGA.ECS.AccountsPayable@tetratech.com	Eddy County, TX	Hayhurst NM Section 9 CTB	Chevron	Tetra Tech, Inc.	Analysis Request of Chain of Custody Record
ORIGINAL COPY	Received by:		Received by:	Received by:				_	2024	DATE	YEAR:	SAMPLING	1.com	Sampler Signature:		Project #:		Site Manager:		
~	Date:		A WINAA Pate:	nn Date					×	WATEF SOIL HCL	2	MATRIX		Matt Castrejon	PO # 1209237	212C-M		John Faught	901 W Wal Midland, Tel (43 Fax (43	
	e: Time:		e: Time: 5	le: Time: //				>		HCL HNO3 ICE		PRESERVATIVE METHOD		tstrejon	237	212C-MD-03389		ht	901 W Wall Street, Ste 100 Midland, Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946	
(Cir		Sample	121/20	132				-	-	# CONT/ FILTERE BTEX 80	D (Y	7/N)	X 8260	В						
(Circle) HAND DELIVERED	1.00°		ONLY	LAB USE				>	× -	TPH TX1 TPH 801 PAH 827 Total Met TCLP Me	005 5M (0C als A	(Ext to GRO - g As B	DRO - (Pb Se I	Нg			2		
RED FEDEX UPS	Special Ré	- Rush Cha	X RUSH: S	REMARKS:					-	TCLP Vol TCLP Ser RCI GC/MS V GC/MS S	atiles ni Vo ol. 8	olatiles 260B /	624		9	į	le or Speci	ANALYSIS	141	
S Tracking #:	Special Report Limits or TRRP Report	mas Authorizad	Same Day 24 hr	24 hour rush				>	F F < (PCB's 80 NORM PLM (Asb Chloride S Chloride	82 / esto: 6M45	608 s)	TDS				ry Method No.	QUEST		Page
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May 22, 2024

JOHN FAUGHT TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: HAYHURST NM SECTION 9 CTB

Enclosed are the results of analyses for samples received by the laboratory on 05/21/24 11:32.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	HAYHURST NM SECTION 9 CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03389	Sample Received By:	Tamara Oldaker
Project Location:	CHEVRON - EDDY CO NM		

Sample ID: SCS - 1 (H242795-01)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	1.94	97.2	2.00	4.08	
Toluene*	<0.050	0.050	05/21/2024	ND	1.97	98.7	2.00	3.62	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.99	99.6	2.00	3.99	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	5.89	98.2	6.00	3.14	
Total BTEX	<0.300	0.300	05/21/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/22/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2024	ND	196	97.9	200	2.32	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	214	107	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					
Surrogate: 1-Chlorooctane	84.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.5	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.					
ND	Analyte NOT DETECTED at or above the reporting limit					
RPD Relative Percent Difference						
**	Samples not received at proper temperature of 6°C or below.					
***	Insufficient time to reach temperature.					
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C					
	Samples reported on an as received basis (wet) unless otherwise noted on report					

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

eceived by O	CD: 6	24/202	1:55 Middlin 4	3 PN Rainquished by:			SCS-1	(LAB USE)	LAB #	HOH2795		Comments:	Receiving Laboratory:	Project Location: (county, state)	rroject name:			ge 95 of 1 Analysis Request
	Date: Time:		2-2	Date: Time:					SAMPLE IDENTIFICATION		Email: john.faught1@tetratech.com; clair.gonzales@tetratech.com	Cardinal Laboratories	john.taught1@tetratech.com; OGA.ECS.AccountsPayable@tetratech.com	Eddy County, TX	Hayhurst NM Section 9 CTB	Chevron	Tetra Tech, Inc.	25 of 1 Panalysis Request of Chain of Custody Record
ORIGINAL COPY	Received by: Date:	Date:	UNDER NI				×	DATE TIME WATE SOIL HCL	YEAR:	SAMPLING MATRIX	ech.com	Sampler Signature: Matt Castrejon		Project #: 212C-MD-03389		Site Manager: John Faught	er og rup er	
(Circle) HAI	Time:	Time: Sample Temperature	1 5/21/24 1132				X 1 X	HNO3 ICE # CONT FILTER BTEX 8 TPH TX TPH 80	ED (Y 021B 1005	(Ext to	C35)	3		0-03389			901 W Wall Street, Ste 100 Midland, Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946	
HAND DELIVERED FEDEX UPS Tracking #:	Special Report Limits or TRRP Report		ONLY REMARKS: 24 hour rush				F X C C C C C C C C C C C C C	PAH 82 PAH 82 Total Me TCLP Me TCLP Vo TCLP Se ACL AC/MS S AC/MS S CCB'S 80 AORM PLM (Ast Chloride Anion/Ca	70C tals A tals A latiles fol. 8 dol. 9 dol. 8 dol. 9 dol.	g As Ba Ag As Ba latiles 260B / 6 Vol. 82 508 () 00 Ifate r Chem	Cd Cr I a Cd Cr 624 70C/625 TDS istry (se	Pb Se H Pb Se	Hg		(Circle or Specify Method No.)	ANALYSIS REQUEST		Page
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Appendix C

NMOCD Correspondence

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

Page 97eof 114 QUESTIONS

Action 338601

QUESTIONS

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	338601
	Action Type:
	[NOTIEY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites							
Incident ID (n#)	nAPP2336158873						
Incident Name	NAPP2336158873 HAYHURST NM SECTION 9 CTB @ 0						
Incident Type	Produced Water Release						
Incident Status	Remediation Plan Approved						
Incident Facility	[fAPP2131341164] Hayhurst NM Section 9 CTB						

Location of Release Source

Site Name	Hayhurst NM Section 9 CTB						
Date Release Discovered	12/26/2023						
Surface Owner	Federal						

Sampling Event General Information

Please answer all the questions in this group.								
What is the sampling surface area in square feet	800							
What is the estimated number of samples that will be gathered	4							
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/02/2024							
Time sampling will commence	08:00 AM							
Please provide any information necessary for observers to contact samplers	Brady Vaughan / 4322502544							
Please provide any information necessary for navigation to sampling site	Please follow the directions to these coordinates. (32.05254458, -104.2015445)							

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	338601
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By Condition Condition Date Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the 4/29/2024 klincoln remediation closure samples not being accepted.

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

Page 99eof 114

QUESTIONS

Action 344113

QUESTIONS

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	344113
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2336158873
Incident Name	NAPP2336158873 HAYHURST NM SECTION 9 CTB @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Facility	[fAPP2131341164] Hayhurst NM Section 9 CTB

Location of Release Source

Site Name	Hayhurst NM Section 9 CTB
Date Release Discovered	12/26/2023
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.	
What is the sampling surface area in square feet	4,600
What is the estimated number of samples that will be gathered	23
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/17/2024
Time sampling will commence	11:00 AM
Please provide any information necessary for observers to contact samplers	Brady Vaughan / 4322502544
Please provide any information necessary for navigation to sampling site	Please follow the directions to these coordinates. (32.05254458, -104.2015445)

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	344113
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By Condition Condition Date Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the 5/14/2024 klincoln remediation closure samples not being accepted.

PageH00eof 114

Action 344113

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

PageH0Jeof 114 QUESTIONS

Action 338412

QUESTIONS

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	338412
	Action Type:
	[NOTIEV] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2404354589
Incident Name	NAPP2404354589 HAYHURST NM SECTION 9 CTB @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Facility	[fAPP2131341164] Hayhurst NM Section 9 CTB

Location of Release Source

Site Name	Hayhurst NM Section 9 CTB
Date Release Discovered	02/12/2024
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.	
What is the sampling surface area in square feet	2,800
What is the estimated number of samples that will be gathered	14
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/02/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Brady Vaughan / 4322502544
Please provide any information necessary for navigation to sampling site	Use these coordinates to get to the location. (32.05254458, -104.2015445)

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	338412
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By Condition Condition Date Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the 4/29/2024 klincoln remediation closure samples not being accepted.

Page1102eof 114

Action 338412

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

Page1103eof 114 QUESTIONS

Action 344101

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	344101
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2404354589
Incident Name	NAPP2404354589 HAYHURST NM SECTION 9 CTB @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Facility	[fAPP2131341164] Hayhurst NM Section 9 CTB

Location of Release Source

Site Name	Hayhurst NM Section 9 CTB
Date Release Discovered	02/12/2024
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.	
What is the sampling surface area in square feet	4,600
What is the estimated number of samples that will be gathered	23
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/17/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Brady Vaughan / 4322502544
Please provide any information necessary for navigation to sampling site	Use these coordinates to get to the location. (32.05254458, -104.2015445)

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	344101
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By Condition Condition Date Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the 5/14/2024 klincoln remediation closure samples not being accepted.

Page1104eof 114

Action 344101





Appendix D

Photographic Documentation

Photographic Log Chevron U.S.A., Inc. Hayhurst CTB 9 Produced Water Release Remediation



Job No.	Page No.	Client:	Site Name:	
212C-MD-03389	1 of 2	Chevron U.S.A, Inc	Hayhurst CTB 9	TETRA TECH

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Photographic Log Chevron U.S.A., Inc. Hayhurst CTB 9 Produced Water Release Remediation



Job No.	Page No.	Client:	Site Name:	
212C-MD-03389	2 of 2	Chevron U.S.A, Inc	Hayhurst CTB 9	TETRA TECH

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

QUESTIONS

Action 357018

QUESTIONS		
Operator: CHEVRON U S A INC	OGRID: 4323	
	Action Number: 357018	
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)	

QUESTIONS Drorogulaitaa

Frerequisites	
Incident ID (n#)	nAPP2404354589
Incident Name	NAPP2404354589 HAYHURST NM SECTION 9 CTB @ 0
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Facility	[fAPP2131341164] Hayhurst NM Section 9 CTB

Location of Release Source

Please answer all the questions in this group.	
Site Name	HAYHURST NM SECTION 9 CTB
Date Release Discovered	02/12/2024
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission Crude Oil Released (bbls) Details Not answered. Cause: Equipment Failure | Dump Valve | Produced Water | Released: 52 BBL | Recovered: Produced Water Released (bbls) Details 35 BBL | Lost: 17 BBL Is the concentration of chloride in the produced water >10,000 mg/l Yes Condensate Released (bbls) Details Not answered. Natural Gas Vented (Mcf) Details Not answered. Natural Gas Flared (Mcf) Details Not answered. Other Released Details Not answered. Are there additional details for the questions above (i.e. any answer containing Not answered. Other, Specify, Unknown, and/or Fire, or any negative lost amounts)

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QUESTIONS (continued)

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	357018
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Kennedy Lincoln Title: Environmental Specialist Email: kennedy.lincoln@chevron.com Date: 02/14/2024

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QUESTIONS (continued)

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Midland, TX 79706	357018
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 Less than or equal 25 (ft.) release in feet below ground surface (ft bgs)

release in leet below ground surface (it bgs)		
What method was used to determine the depth to ground water	U.S. Geological Survey	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)	
Any other fresh water well or spring	Between 1 and 5 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Between ½ and 1 (mi.)	
A subsurface mine	Greater than 5 (mi.)	
An (non-karst) unstable area	Greater than 5 (mi.)	
Categorize the risk of this well / site being in a karst geology	Medium	
A 100-year floodplain	Between ½ and 1 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	No	

Remediation Plan

Please answer all the questions that apply or are indicated. This informati	n must be provided to the appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical exter	ts of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC
Have the lateral and vertical extents of contamination been ful	y delineated Yes
Was this release entirely contained within a lined containmen	area No
Soil Contamination Sampling: (Provide the highest observable	alue for each, in milligrams per kilograms.)
Chloride (EPA 300.0 or SM4500 Cl B)	4340
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	152
GRO+DRO (EPA SW-846 Method 8015M) 152
BTEX (EPA SW-846 Method 8021E	or 8260B) 0
Benzene (EPA SW-846 Method 8021	or 8260B) 0
v.	, I ~
Per Subsection B of 19.15.29.11 NMAC unless the site characterization re	, I ~
Per Subsection B of 19.15.29.11 NMAC unless the site characterization re which includes the anticipated timelines for beginning and completing the	ort includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 remediation.
Per Subsection B of 19.15.29.11 NMAC unless the site characterization re which includes the anticipated timelines for beginning and completing the On what estimated date will the remediation commence	ort includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 remediation.
Per Subsection B of 19.15.29.11 NMAC unless the site characterization re which includes the anticipated timelines for beginning and completing the On what estimated date will the remediation commence On what date will (or did) the final sampling or liner inspection	ord includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 occur 05/10/2024 06/10/2024 06/10/2024
Per Subsection B of 19.15.29.11 NMAC unless the site characterization re- which includes the anticipated timelines for beginning and completing the On what estimated date will the remediation commence On what date will (or did) the final sampling or liner inspection On what date will (or was) the remediation complete(d)	ort includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 remediation. 05/10/2024 occur 05/20/2024 06/10/2024 2971
Per Subsection B of 19.15.29.11 NMAC unless the site characterization re which includes the anticipated timelines for beginning and completing the On what estimated date will the remediation commence On what date will (or did) the final sampling or liner inspection On what date will (or was) the remediation complete(d) What is the estimated surface area (in square feet) that will be	ort includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 remediation. 05/10/2024 05/20/2024 06/10/2024 06/10/2024 ireclaimed 2971 timed 150
Per Subsection B of 19.15.29.11 NMAC unless the site characterization re which includes the anticipated timelines for beginning and completing the On what estimated date will the remediation commence On what date will (or did) the final sampling or liner inspection On what date will (or was) the remediation complete(d) What is the estimated surface area (in square feet) that will be What is the estimated volume (in cubic yards) that will be recl	ort includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 remediation. 05/10/2024 06/10/2024 06/10/2024 150 remediated 2971

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required

QUESTIONS, Page 3

Action 357018

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QUESTIONS, Page 4

Page 111 of 114

Action 357018

QUESTIONS (continued)		
Operator:	OGRID:	
CHEVRON U S A INC	4323	
6301 Deauville Blvd	Action Number:	
Midland, TX 79706	357018	
	Action Type:	
	[C-141] Deferral Request C-141 (C-141-v-Deferral)	

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the	appropriate district office no later than 90 days after the release discovery date.
This remediation will (or is expected to) utilize the following processes to remediate	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Sundance Services, Inc [fKJ1600527371]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	Νο
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Νο
(In Situ) Soil Vapor Extraction	Νο
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Νο
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Νο
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	Νο
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed eff which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a	nowledge and understand that pursuant to OCD rules and regulations all operators are required ses which may endanger public health or the environment. The acceptance of a C-141 report by dequately investigate and remediate contamination that pose a threat to groundwater, surface does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Kennedy Lincoln Title: Environmental Specialist Email: kennedy.lincoln@chevron.com Date: 04/11/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Page 112 of 114

Action 357018

QUESTIONS (continued) Operator: OGRID: CHEVRON U.S.A.INC 4323 6301 Deauville Blvd Action Number Midland, TX 79706 357018 Action Type:

[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only		
only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.		
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes	
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	To get to the requested deferral area, three of the main oil/water separators for the associated central tank battery would have to be removed along with the piping running from the separators to the tank battery. Once remediation was completed, the site would have to be re-compacted to support the weight of the equipment in that area.	
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	2895	
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	260	
	ately under or around production equipment such as production tanks, wellheads and pipelines where may be deferred with division written approval until the equipment is removed during other operations, or when	
Enter the facility ID (f#) on which this deferral should be granted	Hayhurst NM Section 9 CTB [fAPP2131341164]	
Enter the well API (30-) on which this deferral should be granted	Not answered.	
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed eff which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,	

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.

I hereby agree and sign off to the above statement	Name: Kennedy Lincoln
	Title: Environmental Specialist
	Email: kennedy.lincoln@chevron.com
	Date: 06/24/2024

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Midland, TX 79706

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QUESTIONS, Page 6

Action 357018

Page 113 of 114

QUESTIONS (continued) CHEVRON US A INC 6301 Deauville Blvd

OGRID:
4323
Action Number:
357018
Action Type:
[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

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Sampling Event Information	
Last sampling notification (C-141N) recorded	344101
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/17/2024
What was the (estimated) number of samples that were to be gathered	23
What was the sampling surface area in square feet	4600

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed. Requesting a remediation closure approval with this submission No

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CONDITIONS

Operator:	OGRID:
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6301 Deauville Blvd	Action Number:
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	[C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
scwells	Deferral approved. Deferral of BTM-16 through BTM-19, WSW-2 and ISW-2 through ISW-5 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time. Sampling notices were submitted for 5/2 and 5/17/24 however confirmation samples were collected on 5/2, 5/6, 5/16, 5/19, and 5/20/24. A C-141N should be submitted for each day confirmation samples will be collected.	6/25/2024
scwells	Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC	6/25/2024

Action 357018