

April 12, 2022

District Supervisor Oil Conservation Division, District 1 1625 North French Drive Hobbs, New Mexico 88240

#### Re: Release Characterization and Remediation Work Plan ConocoPhillips EVGSAU 3440-002 Flowline Release Unit Letter K, Section 34, Township 17 South, Range 35 East Lea County, New Mexico Incident ID NRH2003532478

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips Company (COP) to assess a release that occurred from the flowline associated with the East Vacuum Grayburg San Andres Unit (EVGSAU) 3440-002 well (Associated API No. 30-025-03008). The release footprint is located in Public Land Survey System (PLSS) Unit Letter K, Section 34, Township 17 South, Range 35 East, Lea County, New Mexico (Site). The release site coordinates are 32.7894821°, -103.4476547°. The Site location is shown on Figures 1 and 2.

### BACKGROUND

According to the State of New Mexico C-141 Initial Report (Appendix A), the release was discovered on January 2, 2020. The release occurred as the result of a flowline leak affecting a total area of 8,470 square feet. Approximately 1.4 barrels (bbls) of crude oil and 53.7 bbls of produced water were released, of which approximately 0 bbls of fluids were recovered. The New Mexico Oil Conservation District (NMOCD) received and approved the C-141 report form for the release on January 1, 2020. The NMOCD Incident ID for the release is NRH2003532478.

#### SITE CHARACTERIZATION

A site characterization was performed and no watercourses, sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, springs, playa lakes, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.0029 New Mexico Administrative Code (NMAC). The Site is within a New Mexico oil and gas production area and is in an area of low karst potential.

According to the New Mexico Office of the State Engineer (NMOSE) reporting system, there are eight water wells within  $\frac{1}{2}$  mile (800 meters) of the Site. The wells have an average depth to groundwater of 60 feet below ground surface (bgs). The site characterization data is included in Appendix B.

### **REGULATORY FRAMEWORK**

Based upon the release footprint location and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used to determine recommended remedial action

ConocoPhillips

Release Characterization and Remediation Work Plan April 12, 2021

levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil.

Based on the site characterization and in accordance with Table I of 19.15.29.12 NMAC, the remediation RRALs for the Site are as follows:

Constituent	Remediation RRAL
Chloride	10,000 mg/kg
TPH	2,500 mg/kg
BTEX	50 mg/kg

Additionally, in accordance with the NMOCD guidance *Procedures for Implementation of the Spill Rule* (19.15.29 NMAC) (September 6, 2019), the following reclamation requirements for surface soils (0-4 feet bgs) outside of active oil and gas operations are as follows:

Constituent	<b>Reclamation Requirements</b>
Chloride	600 mg/kg
TPH	100 mg/kg
BTEX	50 mg/kg

### INITIAL RESPONSE AND SITE ASSESSMENT

In accordance with 19.15.29.8.B.(4) NMAC that states "the responsible party may commence remediation immediately after discovery of a release", COP elected to begin remediation of the impacted area in 2020. Two sections of the release footprint were excavated by COP subcontractor McNabb Partners with heavy equipment. An eastern portion of the release footprint was excavated approximately 1-foot bgs and a western portion was excavated approximately 2 to 3 feet bgs to remove the visually impacted soils. Figure 3 depicts the initial release extent and the areas excavated as part of the initial response activities. Approximately 256 cubic yards of contaminated material were removed and transported to an NMOCD-approved facility. Waste manifests are included in Appendix C.

Tetra Tech personnel were onsite to delineate and sample the release area in 2020. Soil samples were collected within and around the release extent to evaluate the vertical and horizontal extent of the release. Prior to the submittal of a Release Characterization and Remediation Work Plan report to the NMOCD, a subsequent release (Incident ID NAPP2129936218) occurred in October 2021 that coincided with the January 2020 release footprint. Thus, the laboratory analytical results associated with the August and September 2020 soil assessments were no longer applicable in characterizing the existing contamination. Therefore, an additional site assessment was conducted following the October 2021 release to characterize the two, overlapping release areas.

### ADDITIONAL SITE ASSESSMENT AND SAMPLING RESULTS

Tetra Tech personnel were onsite to delineate and sample the release area on February 16 and 17, 2022 and March 8, 2022. A total of seventeen (17) borings (BH-22-01 through BH-22-17) were installed to define the extents of the release and to assess the extent of impacted soil. BH-22-01 through BH-22-06 were installed within the release footprint to delineate the vertical extent of impacted soil. BH-22-07 through BH-22-17 were installed around the perimeter of the release footprint to delineate the horizontal extent of impacted soil. Soil boring logs from the February and March 2022 assessment activities are included as Appendix D. The boring locations are shown on Figure 3.

Release Characterization and Remediation Work Plan April 12, 2021

A total of fifty-five (55) soil samples were collected from the 17 boring locations. These samples were submitted to Cardinal Laboratories (Cardinal) to be analyzed for Total Petroleum Hydrocarbons (TPH) via Method 8015 Modified, chloride via Method SM4500CI-B, and benzene, toluene, ethylbenzene and xylenes (BTEX) via Method 8021B. A copy of the laboratory analytical report and chain-of-custody documentation are included in Appendix E.

#### SUMMARY OF SAMPLING RESULTS

Results from the February and March 2022 soil sampling event are summarized in Table 1. Analytical results associated with borings BH-22-01 through BH-22-08 exceeded the reclamation requirements for chloride (600 mg/kg) and/or TPH (100 mg/kg) in soils to a depth of 3 feet below surrounding grade. All other analytical results were below reclamation requirements and Site RRALs. After review of analytical results from the sampling event, both horizontal and vertical delineation was achieved during the February and March 2022 assessment activities. Photographic documentation from the site assessment activities is included in Appendix F.

### **REMEDIATION WORK PLAN**

Based on the analytical results from the site assessment, COP proposes to remove impacted material within the release extent as shown in Figure 4. Impacted soils will be excavated using heavy equipment (backhoes, hoe rams, and track hoes) to a maximum depth of 4 feet below the surrounding surface or until a representative sample from the walls and bottom of the excavation is below the Site RRALs and reclamation requirements for soils above 4 feet bgs. Heavy equipment will come no more than 4 ft from any pressurized lines. Impacted soils within the vicinity of the surface and subsurface lines which intersect the release footprint will be dug by hand to 4 feet or the maximum extent practicable.

Excavated soils will be transported offsite and disposed of at an NMOCD-approved or permitted facility. Confirmation floor and sidewall samples will be collected for verification of remedial activities, and analyzed for TPH, BTEX, and chlorides. Once results are received, NMOCD will be notified and the excavation will then be backfilled with clean material to surface grade. The estimated volume of material to be remediated is approximately 1,600 cubic yards.

## ALTERNATIVE CONFIRMATION SAMPLING PLAN

In accordance with 19.15.29.12(D)(1)(b) NMAC, ConocoPhillips proposes the following alternative confirmation sampling plan to adhere with NMOCD requirements. The proposed confirmation sample locations are depicted in Figure 5. Eighteen (18) confirmation floor samples and thirty (30) confirmation sidewall samples are proposed for verification of remedial activities. The proposed excavation encompasses a surface area of approximately 13,000 square feet.

These confirmation sidewall and floor samples will be representative of no more than approximately 500 square feet of excavated area. Confirmation samples will be sent to an accredited laboratory for analysis of TPH (Method 8015 modified), BTEX (Method 8260B), and chloride (USEPA Method 300.0/4500.0).

#### **REVEGETATION PLAN**

The backfilled areas will be seeded in Spring 2022 (first favorable growing season) to aid in revegetation. Based on the soils at the site, the New Mexico State Land Office (NMSLO) Loamy (L) Sites Seed Mixture will be used for seeding and will be planted in the amount specified in the pounds pure live seed (PLS) per acre. The seed mixture will be spread by a drill equipped with a depth regulator or a hand-held broadcaster and raked. If a hand-held broadcaster is used for dispersal, the pounds pure live seed per acre will be doubled.

Site inspections will be performed to assess the revegetation progress and evaluate the site for the presence of primary or secondary noxious weeds. If noxious weeds are identified, the NMSLO will be

Page 4 of 210

contacted to determine an effective method for eradication. If the site does not show revegetation after one growing season, the area will be reseeded as appropriate. The NMSLO seed mixture details and corresponding pounds pure live seed per acre are included in Appendix G.

#### CONCLUSION

ConocoPhillips proposes to begin remediation activities at the Site within 120 days of NMOCD plan approval. A separate Remediation Work Plan for incident ID NAPP2129936218 will be submitted simultaneously with this Remediation Work Plan for incident ID NRH2003532478. As the release footprints coincide and the remediation work plans are nearly identical, should this Work Plan gain NMOCD approval alongside the NRH2003532478 Work Plan, COP requests the opportunity to remediate both release extents concurrently.

If this is acceptable, upon completion of the proposed work, a final closure report detailing the remediation activities and the results of the confirmation sampling will be submitted to NMOCD for each release incident. If you have any questions concerning the soil assessment or the proposed remediation activities for the Site, please call me at (512) 217-7254 or Christian at (512) 338-2861.

Sincerely, Tetra Tech, Inc.

Ryan C. Dickerson Project Manager

Christian M, Llull, P.G. Program Manager

cc: Mr. Sam Widmer, RMR – ConocoPhillips Release Characterization and Remediation Work Plan April 12, 2021

## List of Attachments

### Figures:

- Figure 1 Overview Map
- Figure 2 Topographic Map
- Figure 3 Approximate Release Extent and Soil Assessment
- Figure 5 Proposed Remediation Extents
- Figure 6 Alternative Confirmation Sampling Plan

## Tables:

Table 1 – Summary of Analytical Results – Soil Assessment

## Appendices:

Appendix A – C-141 Form

Appendix B – Site Characterization Data

Appendix C – Waste Manifests

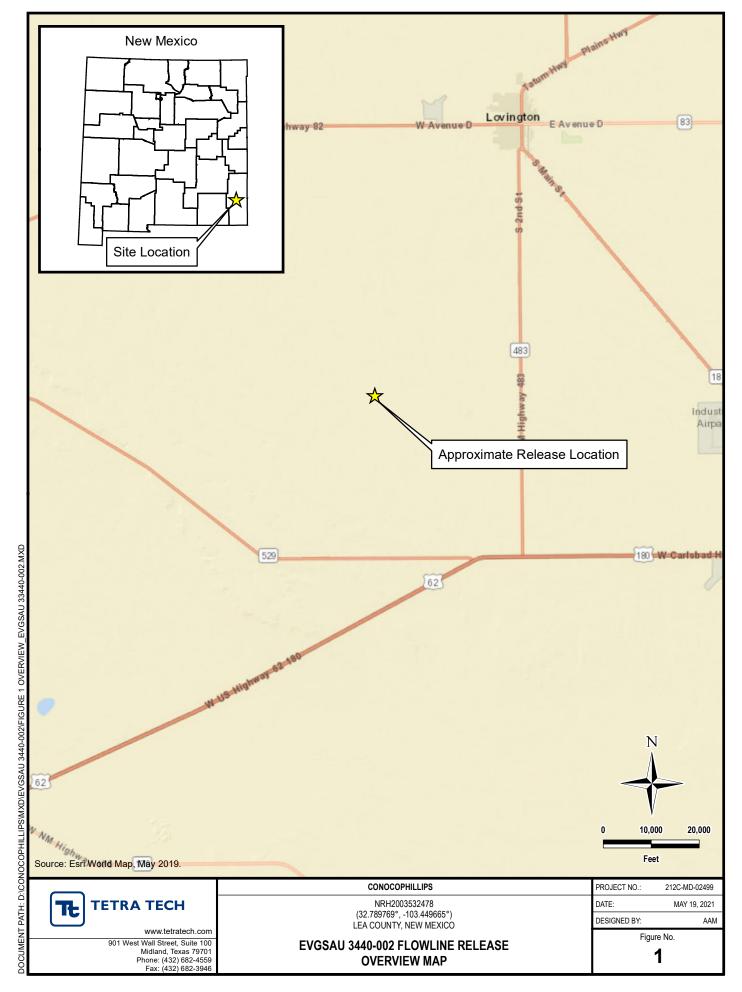
Appendix D – Soil Boring Logs

Appendix E – Laboratory Analytical Data

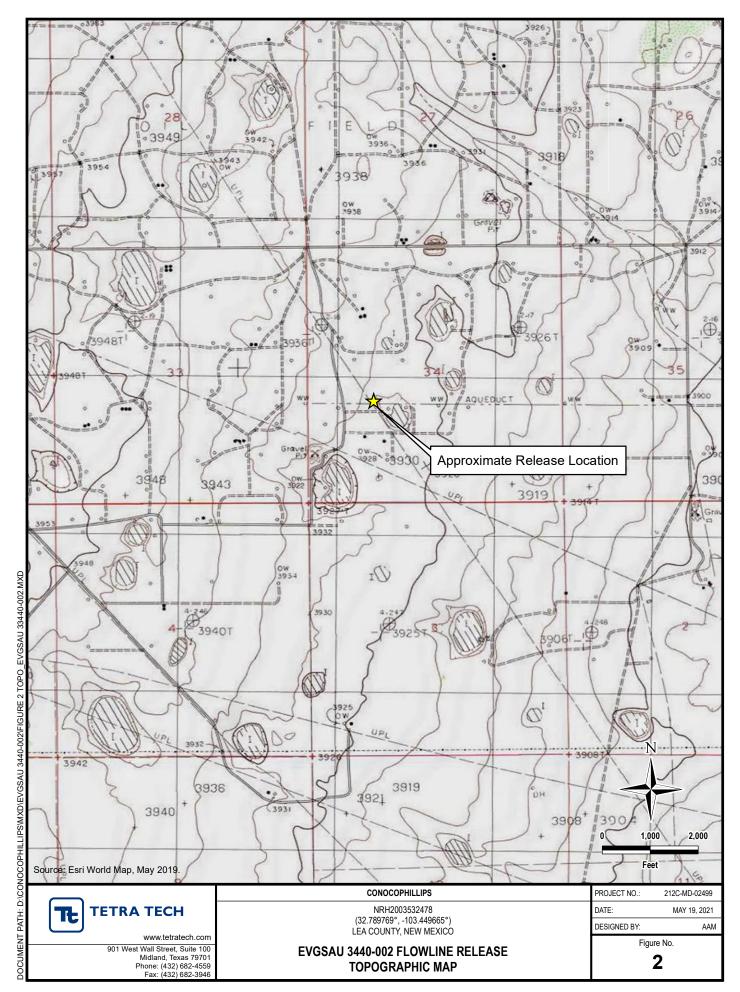
Appendix F – Photographic Documentation

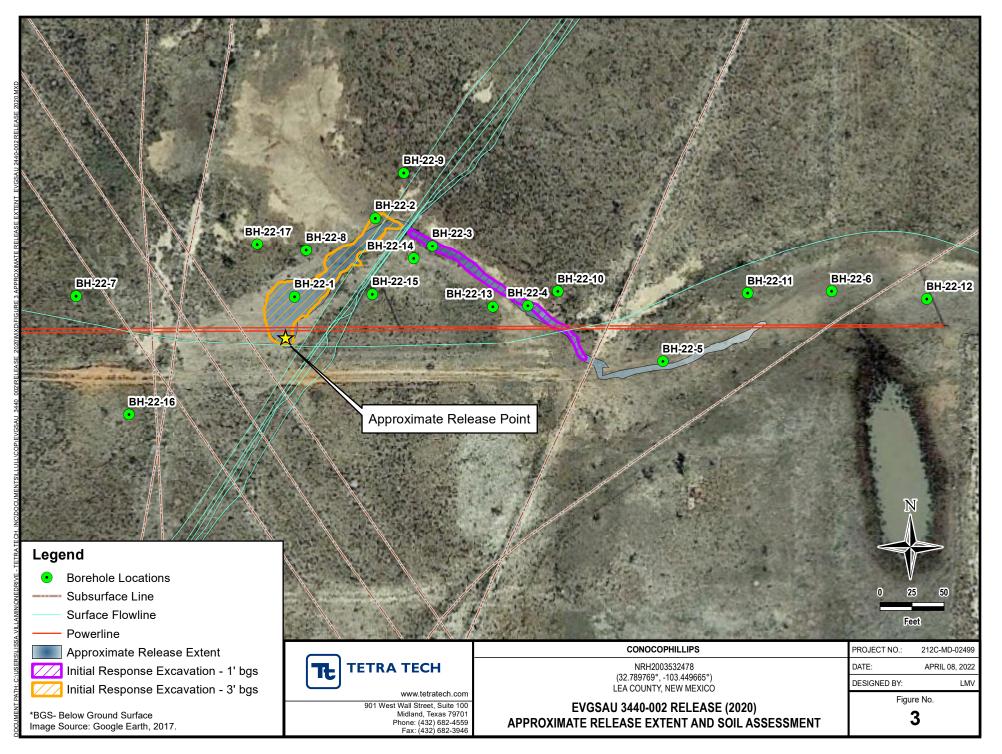
Appendix G – NMSLO Seed Mixture Details

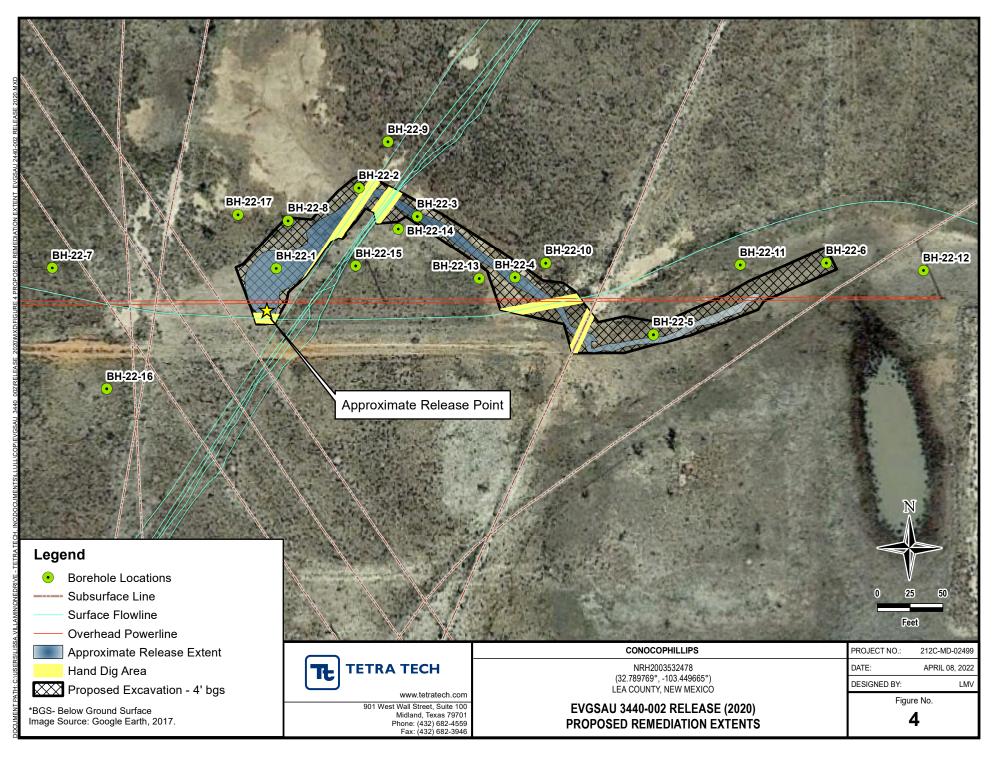
# FIGURES



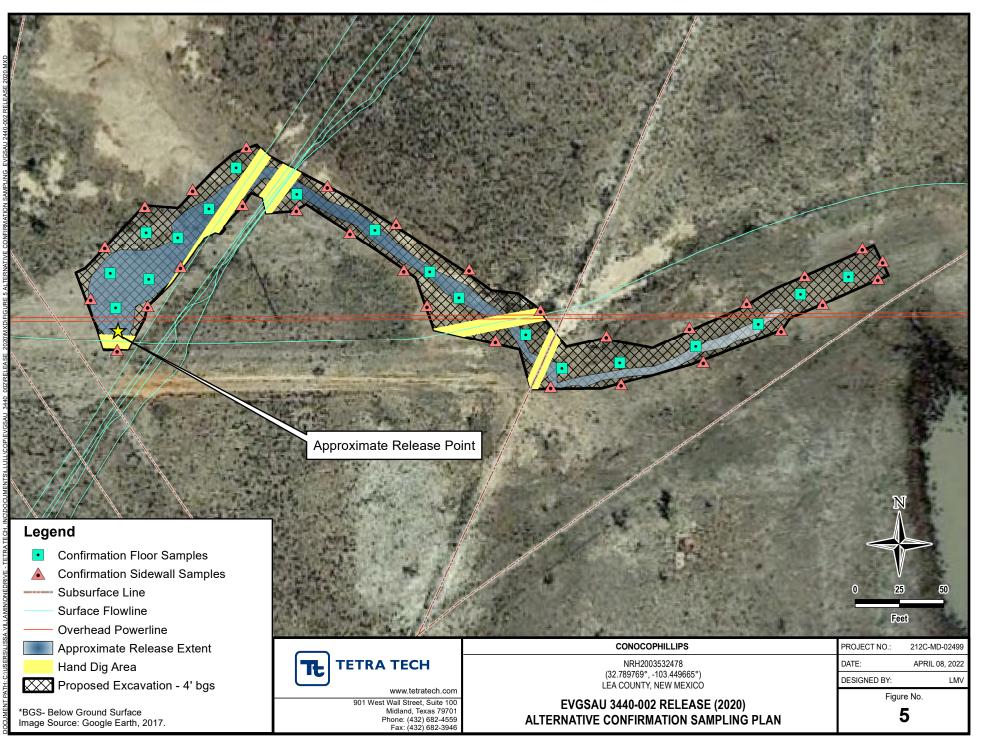
Released to Imaging: 5/17/2022 4:32:39 PM







Released to Imaging: 5/17/2022 4:32:39 PM



Released to Imaging: 5/17/2022 4:32:39 PM

# TABLES

## TABLE 1 SUMMARY OF ANALYTICAL RESULTS SOIL ASSESSMENT - NRH2003532478 2020 RELEASE CONOCOPHILLIPS EVGSAU 3440-002 FLOWLINE RELEASES

Released to Imaging: 5/17/2022 4:32:39 PM

				EVGSAU 3440-UU2 FLOWLINE RELEASES																	
		Sample Depth	Chloric	de1											GRO		DRO		EXT DE	80	Total TPH
Sample ID	Sample Date				Benzer	ne	Toluer	ne	Ethylben	zene	Total Xyle	enes	Total B1	TEX	C <sub>6</sub> - C <sub>1</sub>	10	> C <sub>10</sub> -	C <sub>28</sub>	> C <sub>28</sub> -	C <sub>36</sub>	(GRO+DRO+EXT DRO)
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg
		2-3	4,960		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
		4-5	3,360		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
		6-7	2,200		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
BH-22-01	2/17/2022	9-10	976		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
511-22-01	2/17/2022	14-15	608		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
		19-20	1,020	QM-07	< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
		24-25	80.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
		29-30	80.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
		2-3	1,920		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		11.3		436		88.3		536
		4-5	2,200		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		378		76.2		454
BH-22-02	2/16/2022	6-7	1,810		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		15.9		661		136		813
BH-22-02	2/16/2022	9-10	2,000		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		94.0		10.8		105
		14-15	160		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
		19-20	176		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
		2-3	3,800		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		134		19.1	1	153
		4-5	352		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
	6-7	1,480		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
BH-22-03	BH-22-03 2/17/2022	9-10	1,680		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
		14-15	256		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
		19-20	176		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
		2-3	1,800		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
		4-5	192		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
BH-22-04	2/17/2022	6-7	560		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
		9-10	80.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
		0-1	2,760	QM-07	< 0.200		1.08		15.0		33.2		49.2		1.540		12,900		2,110	l .	16,550
		2-3	1,880		< 0.050		< 0.050		0.169		0.402		0.571		41.6		1,340		272		1,654
		4-5	1,180	1	< 0.050		< 0.050		0.099		0.311		0.410		39.3		1,440		270		1,749
BH-22-05	2/16/2022	6-7	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
		9-10	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
		14-15	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		93.7		< 10.0		93.7
		19-20	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
		0-1	8,480		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		764		166		930
		2-3	4,480		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		96.3		16.7		113
		4-5	3,360		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
BH-22-06	2/16/2022	6-7	2,640		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
		9-10	240	1	< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0	1	< 10.0		-
		14-15	112	1	< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0	1	< 10.0	1	-
		19-20	32.0	1	< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0	l	-
		0-1	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
BH-22-07	2/16/2022	2-3	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0	<u> </u>	_
-		4-5	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0	<u> </u>	-
								I				I		L		I					1

Page 13 of 210

## TABLE 1 SUMMARY OF ANALYTICAL RESULTS SOIL ASSESSMENT - NRH2003532478 2020 RELEASE CONOCOPHILLIPS EVGSAU 3440-002 FLOWLINE RELEASES

									BTEX	2								Т	PH <sup>3</sup>		
Sample ID	Sample Date	Sample Depth	Chlorid	le1	Benzer	20	Toluer	20	Ethylben	1000	Total Xyl	0005	Total B	EV	GRO		DRO		EXT DI	RO	Total TPH
Sample ib	Sample Date				Delizer	ie	Tolder		Luiyiben	zene	TOtal Ayl	enes	Total B		C <sub>6</sub> - C <sub>1</sub>	.0	> C <sub>10</sub> -	C <sub>28</sub>	> C <sub>28</sub> -	C <sub>36</sub>	(GRO+DRO+EXT DRO)
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg
		0-1	992		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
		2-3	1,650		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
BH-22-08	2/16/2022	4-5	1,150		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
		6-7	1,010		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
		9-10	768		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
BH-22-09	2/16/2022	0-1	240		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
BH-22-10	2/17/2022	0-1	< 16.0		< 0.050		0.064		0.215		0.442		0.720		12.6		16.7		< 10.0		29.3
BH-22-11	2/17/2022	0-1	48.0		< 0.050		0.085		0.198		0.414		0.697		< 10.0		11.6		< 10.0		11.6
BH-22-12	2/17/2022	0-1	80.0		< 0.050		0.059		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
BH-22-13	2/17/2022	0-1	48.0		< 0.050		0.058		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
BH-22-14	2/17/2022	0-1	64.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
BH-22-15	2/17/2022	0-1	32.0		< 0.050		0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
BH-22-16	2/16/2022	0-1	320		`		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
BH-22-17	3/8/2022	0-1	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		

NOTES:

TPH

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

Total Petroleum Hydrocarbons GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

#### Bold and italicized values indicate exceedance of proposed Remediation RRALs and Reclamation Requirements.

Shaded rows indicate intervals proposed for excavation.

QUALIFIERS:

QM-07 Spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based

on acceptable LCS recovery.

Received by OCD: 4/12/2022 2:04:57 PM

•

# APPENDIX A C-141 Forms

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

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

)

Incident ID	NRH2003532478
District RP	
Facility ID	
Application ID	

# **Release Notification**

## **Responsible Party**

Responsible Party ConocoPhillips Company	OGRID Correct OGRID 217817 RH
Contact Name Charles Robert Beauvais II	Contact Telephone 575-988-2043
Contact email charles.r.beauvais@conocophillips.com	Incident # (assigned by OCD)
Contact mailing address 15 W London Rd, Loving, NM 88256	

## **Location of Release Source**

Latitude 32.7894821(NAD 8.	Longitude -103.4476547 3 in decimal degrees to 5 decimal places)	
Site Name East Vacuum 3440-002	Site Type – Off Pad, Flowline Rupture	
Date Release Discovered 01/02/2020	API# (if applicable): 30-025-03008	

Unit Letter	Section	Township	Range	County
K	34	17S	35E	Lea

Surface Owner: X State Federal Tribal Private (Name: State of New Mexico\_\_\_\_\_

## Nature and Volume of Release

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

Volume Released (bbls)53.7 TotalIs the concentration of dissolved chloride in the produced water >10,000 mg/l?	Volume Recovered (bbls) 0
produced water >10,000 mg/l?	
Volume Released (bbls)	Volume Recovered (bbls)
Volume Released (Mcf)	Volume Recovered (Mcf)
Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
	Volume Released (Mcf)

Cause of Release - Corroded section of pipe

Page 2

0'1	Conser		D'		
()11	( 'once	rvation	1 111	11010	n
UII.	CONSC	l valion		1010	11

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release? 19.15.29.7(A)(1)						
🛛 Yes 🗌 No	An unauthorized release of a volume, excluding gases, of 25 barrels or more.						
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?							
Notice was made by Charles Beauvais, Environmental Coordinator, at 3:00 P.M. on 01/02/2020 via email to <u>Bradford.billings@state.nm</u> . Also, an online submittal with payment for submittals was made to NMOCD.							

## **Initial Response**

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

 $\boxtimes$  The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Printed Name: Charles Robert Beauvais II		Title:	Environmental Coordinator_
Signature:	Date: 01/02/2020		_
email: charles.r.beauvais@conocophillips.com	Telephone:575-988-2043		
OCD Only			
Received by: Robert Hamlet	Date: 2/4/2020		

Received by OCD: 4/12/2022 2:04:57 PM Form C-141 State of New Mexico

Page 3

Oil Conservation Division

	Page 18 of 21
Incident ID	NRH2003532478
District RP	
Facility ID	
Application ID	

# Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>60</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🗹 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🖌 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🖌 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🖌 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🖌 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🖌 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🗹 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🖌 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🖌 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🖌 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🖌 No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	🗌 Yes 🖌 No

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

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

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

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

**Released to Imaging: 5/17/2022 4:32:39 PM** 

	: 4/12/2022 2:04:57 PM State of New Mexico			Page 19 of 2.
			Incident ID	NRH2003532478
Page 4	Oil Conservation Divisi	on	District RP	
			Facility ID	
			Application ID	
regulations all op public health or t failed to adequate addition, OCD ac and/or regulation Printed Name:		e notifications and perform the OCD does not relieve t a threat to groundwater, sur or of responsibility for com Title:	corrective actions for rel he operator of liability sh face water, human health pliance with any other fe 1 Program Manager	eases which may endanger nould their operations have n or the environment. In ederal, state, or local laws

Received by OCD: 4/12/2022 2:04:57 PM Form C-141 State of New Mexico

Incident ID	NRH2003532478
District RP	
Facility ID	
Application ID	

# **Remediation Plan**

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

V
V
V

Page 5

Detailed description of proposed remediation technique

Scaled sitemap with GPS coordinates showing delineation points
 Estimated volume of material to be remediated

Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

 $\checkmark$  Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be conj	firmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around prodeconstruction.	duction equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health,	the environment, or groundwater.
I hereby certify that the information given above is true and complete rules and regulations all operators are required to report and/or file ce which may endanger public health or the environment. The acceptan liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD a responsibility for compliance with any other federal, state, or local la Printed Name:	ertain release notifications and perform corrective actions for releases ce of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, cceptance of a C-141 report does not relieve the operator of ws and/or regulations.
OCD Only	
Received by:	Date:
Approved Approved with Attached Conditions of A	Approval Denied Deferral Approved
Signature: Jennifer Nobui	Date: 05/17/2022

•

# APPENDIX B Site Characterization Data

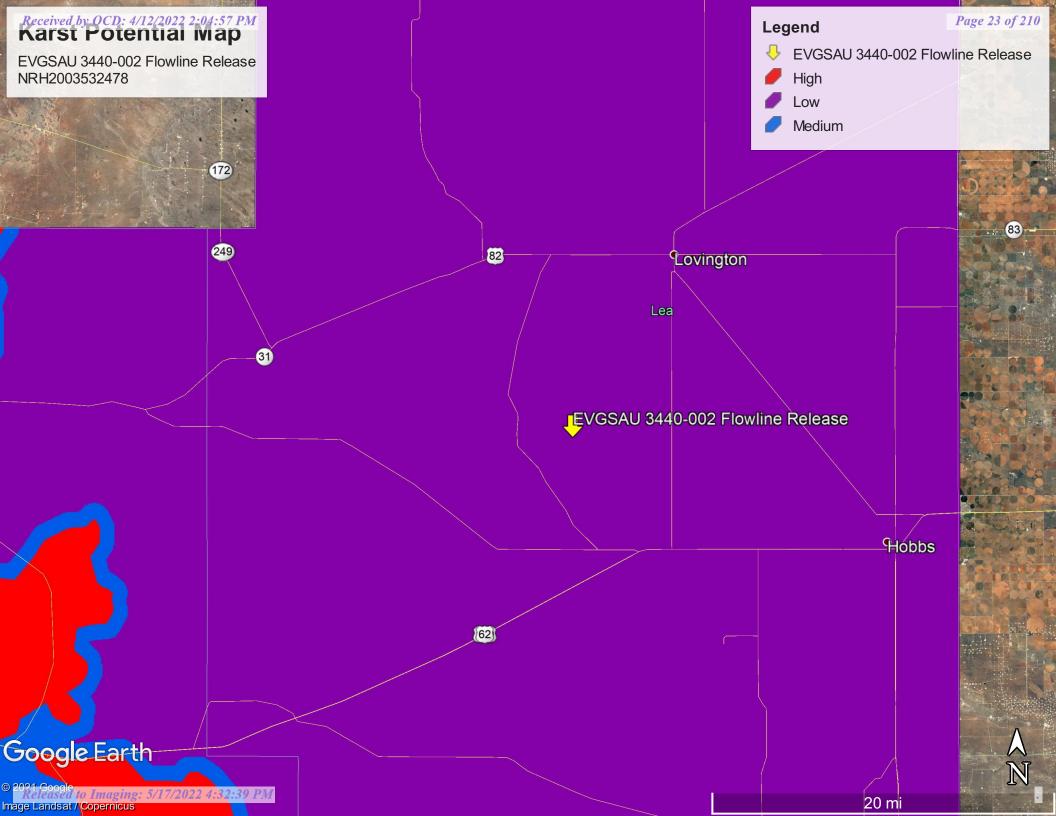


# *New Mexico Office of the State Engineer* **Water Column/Average Depth to Water**

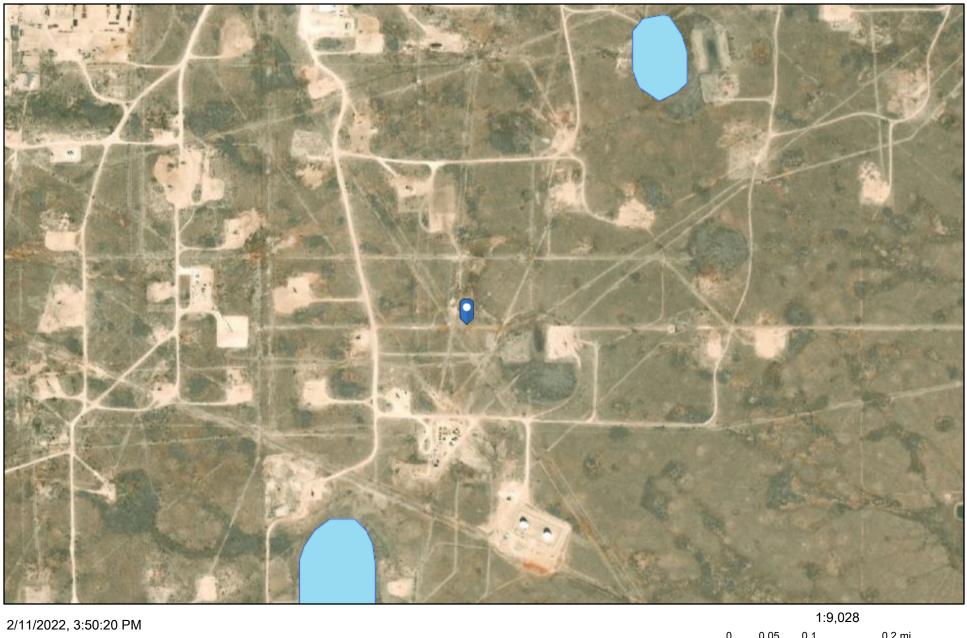
(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a	(R=POD been repl O=orpha C=the fil	laced, ned,		(a	uar	ters	are	1=NW	/ 2=NE	3=SW 4=SI	E)				
water right file.)	closed)	C 13							st to lar		VAD83 UTM in m	eters)	(In fe	eet)	
		POD Sub-	<b>-</b> /	Q	-	-		T	Ð	•7					Vater
POD Number L 04775	Code	basin L	County LE	64	16 4		5 <b>ec</b> 34	<b>Tws</b> 17S	Rng 35E	X 645365	Y 3629421* 🦲	DistanceDep 422	thWellDept 133	hWater Co 68	olumn 65
<u>L 04727</u>		L	LE		-		34	17S	35E	645576	3629214*	434	120	45	75
<u>L 04793</u>		L	LE			3	34	17S	35E	645576	3629214* 🌍	434	150	50	100
<u>L 04618</u>		L	LE		3	3 3	34	17S	35E	644973	3628611* 🌍	477	128	55	73
<u>L 05834 POD6</u>		L	LE	1	1	4 3	34	17S	35E	645673	3629122* 🌍	501	234	65	169
<u>L 05834</u>	R	L	LE	2	2	4 3	33	17S	35E	644663	3629109* 🌍	518	160	70	90
L 05834 POD5		L	LE	2	2	4 3	33	17S	35E	644663	3629109* 🌍	518	234	65	169
<u>L 04633</u>		L	LE		2	4 3	33	17S	35E	644564	3629010* 🌍	614	130	65	65
											Averag	ge Depth to Wate	er:	60 fee	et
												Minimum De	oth:	45 fee	:t
												Maximum Dep	oth:	70 fee	et (
Record Count: 8															
UTMNAD83 Radius	s Search (in	<u>1 meters</u>	) <u>:</u>												
<b>Easting (X):</b> 645	177.447		North	ning (	(Y)	: 30	6290	)42.15	52		Radius: 800				
*UTM location was derived	from PLSS	- see Helj	)												
The data is furnished by the N accuracy, completeness, reliab	MOSE/ISC ility, usabilit	and is ac y, or suita	cepted by the bility for an	ne rec ly part	ipie ticu	nt wi lar pı	th th irpos	e expr of th	essed un e data.	derstanding th	hat the OSE/ISC ma	ake no warranties,	expressed or in	plied, concern	ning the

3/3/22 9:54 AM

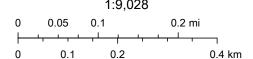
WATER COLUMN/ AVERAGE DEPTH TO WATER



# **OCD Water Bodies**







New Mexico Oil Conservation Division

OCD, Maxar

**Released to Imaging: 5/17/2022 4:32:39 PM** 

NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

.

# APPENDIX C Waste Manifests

Received by OC	C <b>D:</b> 4/12/	2022 2:04:	A creation of the		-						Page 26 of 210
			Custo	a la constante de la constante	CONOCOPHILL	IPS		Ticket #:	700-11064	67	
			and the second second second	mer #:	CRI2190			Bid #:	O6UJ9A0	009Z1	
Bernder 1			Order		JUSTIN WRIGH	Т		Date:	1/30/2020		
			AFE #	:				Generator:	CONOCO	PHILLIPS	
ENVIRONMEN	ITAL	199	PO #:					Generator #:			
SOLUTI		S. S. Sand	Manife		NA			Well Ser. #:	02854		
Permian Basin     Hauler:     MCNABB PARTNERS     Well Name:     EAST VACUUM GSA UNIT       Permian Basin     Driver     GUMER     002       Truck #     32     Field #:	UNIT										
Permian Basir	1					NERS			002		
					32						
			Job Re					Rig:	NON-DRIL	LING	
			000110	21 <del>17</del>				County	LEA (NM)		
Facility: CRI Product / Serv	ice in the second	1	se jejse	Kiring	ender als also				1	W.P.C. mallert.	
Contaminated	Sail (PCC	A E	100 Dest 12 10 000	energieszten (254	和这种时代的时候和自己是此后的人们的	CONTRACTOR OF	uantity	Inits de la		2012年 州陸地震	(Remain Lines)
oontannnateu	Soli (RCP	(A Exempt)					18.00 y	ards			
	Cell	pН	CI	Cond	. %Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0					<i>,,,</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	veignt
Generator Cert	ification \$	Statement o	f Waste St	atus		in en e	HENRENGE	A AND BRANCH	INTERNAL STRAN	liki mata si zulo	Read a construction of
I hereby certify the	nat accordi	ng to the Res	ource Conse	rvation a	nd Recovery Act (I	CPA) an	d the LIC E-		影響和這個影響的發展		國民國國家的
er oo roganatory c	cicicitititiati	on, me above	uescribea v	Vaste is:							
X RCRA Exem	pt: Oil Fiel	ld wastes gen	erated from	oil and g	as exploration and	production	nonerations	and are not mive	d with non a		
	Sachipt. Of	i neiu waste	which is not	1-nazardo	us that does not ev	ceed the r	ninimum sta	ndarde for worte	honordown he		3.
endiacter isties est	autisticu II.	I KCKA legu	ations, 40 C	FK 261.2	1-261.24 or listed	hazardous	wante an de	fined in AO CED	nort 261 mil	mont D an	
antionadou. The to	nowing do	cumentation	is allached to	o demons	trate the above-des	cribed wa	ste is non-he	ardous (Check	the appropriate	opart D, as	
_ MSDS Inform	nation _	RCRA Haz	ardous Wast	e Analysi	is _ Process Kn	owledge				ate items):	
		- ACRA Haz	aluous wasi	e Analysi	s _ Process Kn	owledge	_ Other (	Provide descript	ion above)		

Driver/ Agent Signature R360 Representative Signature

Customer Approval

# THIS IS NOT AN INVOICE!

Approved By:

Date:

TOT TO VOID TO ADD

ab Analysis:	50/51	0.00	0.00	0.00	0						
	Cell 50/51	pH	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
ontaminated	Soil (RCR	A Exempt)					18.00 ya	ards			
roduct / Servi	(), and () () () () () () () () () () () () ()	(* 16 FX	的复数			C. C	uantity U	nits 🐘 👘	14 - S. A.	Pa Perlo	
acility: CRI											
			Job Ref	<b>#</b>				Rig: County	NON-DRIL LEA (NM)	LING	
			Driver Truck # Card #		IUMER 132			Field: Field #:		1100	
ermian Basir	1		Hauler:		ICNABB PART	NERS		Well #:	002		UNIT
SOLUTI		and the second	Manifest Manif. D		IA /30/2020			Well Ser. #: Well Name:	02854 FAST VAC	CUUM GSA	LINIT
NVIRONMEN	ITAL		PO #:					Generator: Generator #:	CONOCO	PHILLIPS	
	517		Ordered AFE #:	by: J	USTIN WRIGH	IT		Date:	1/30/2020		
			Custom		RI2190			Bid #:	O6UJ9A0	C. P. Manual and	
		A B	Custom	er: C	ONOCOPHILI	IPS		Ticket #:	700-11063	364	

Customer Approval

Driver/ Agent Signature R360 Representative Signature

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.

\_\_\_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

\_\_\_\_MSDS Information \_\_\_\_\_RCRA Hazardous Waste Analysis \_\_\_\_\_Process Knowledge \_\_\_\_Other (Provide description above)

## THIS IS NOT AN INVOICE!

Approved By:

Date:

181.19A01CY64

Received by OC		2022 2:04:5	7 Westomer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	CONOCOPH CRI2190 JUSTIN WRI NA 1/30/2020 MCNABB PA GUMER M32	GHT		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-110630 06UJ9A00 1/30/2020 CONOCOP 02854 EAST VACI 002 NON-DRILLI LEA (NM)	D1 09Z1 PHILLIPS JUM GSA	<i>Page 28 of 210</i> UNIT
Facility: CRI										
Product / Servi	Ce		化建制加温		Q	uantity U	Inits			
Contaminated	Soil (RCR	A Exempt)					ards			
	Cell	pН	CI Con	d. %Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00 0.0							

## Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

<u>X</u> RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.
 <u>RCRA Non-Exempt</u>: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
 <u>MSDS Information</u> <u>RCRA Hazardous Waste Analysis</u> <u>Process Knowledge</u> <u>Other (Provide description above)</u>

Driver/ Agent Signature Signature

Customer Approval

## THIS IS NOT AN INVOICE!

Approved By:

Date:

USUL/PACTCYGY

ab Analysis:	50/51	0.00	0.00	0.00	0						9.11
	Cell	pН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
ontaminated	Soil (RCR	A Exempt)					20.00 ya	rds			
roduct / Servi	2 m 10 10 10 10 10 10 10 10 10 10 10 10 10	and the second second			的现在分词 美国	ç	uantity Ur	its: which and i		AS STATES	rist and the
acility: CRI											
			Job Rei	f #				County	LEA (NM)		
			Truck # Card #	L 1	M81			Field #: Rig:	NON-DRIL	LING	
Permian Basin	1		Hauler: Driver		MCNABB PART JOHN	NERS		Well #: Field:	002		
SOLUTI		and the second second	Manif. I		NA 1/30/2020			Well Ser. #: Well Name:	02854 EAST VAC	UUM GSA	UNIT
INVIRONMEN	ITAL	20	PO #: Manife		NIA			Generator #:		PHILLIPS	
			Ordere		JUSTIN WRIGH	T		Date: Generator:	1/30/2020 CONOCO		
		6	Custon	ner #:	CRI2190			Ticket #: Bid #:	700-11064 O6UJ9A00		
		2022 2:04	Custon	ner:	CONOCOPHILI	IDS		TT-1	700 4400		Page 29 of

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as

amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

\_\_\_\_MSDS Information \_\_\_\_\_RCRA Hazardous Waste Analysis \_\_\_\_\_Process Knowledge \_\_\_Other (Provide description above)

Driver/ Agent Signature R360 Representative Signature

Customer Approval

# THIS IS NOT AN INVOICE!

Approved By:

Date:

16UJ9A01CYI8

ab Analysis:	50/51	0.00	0.00	0.00	0					Constant of the second		
	Cell	pН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight	
ontaminated	Soil (RCR	A Exempt)					20.00 ya	ards				
roduct / Servi	lce	fa- weder		的人员的		a ca	uantity U	nita .		國際這個新		
acility: CRI												
								County				
			Card I Job R					Rig: County	NON-DRIL LEA (NM)	LING		
			Truck	at and the second s	B1			Field: Field #:				
<sup>o</sup> ermian Basin	VVIRONMENTAL SOLUTIONS Ermian Basin			Hauler: MCNABB PARTNE Driver JOHN				Well #:	002			
					NA 1/30/2020			Well Ser. #: Well Name:	02854			
		247	AFE # PO #:				Generator: Generator #:	CONOCO	PHILLIPS			
			Order	Ordered by: JUSTIN WRIGHT					1/30/2020	0321		
20 Address of the second			Custo		CONOCOPHILL CRI2190	IPS		Ticket #: Bid #:	700-1106360 O6UJ9A0009Z1			
	<i>D</i> : 4/12/	2022 2:04	20					and 10 10			Page 30 o	

1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. \_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by

characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as

amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

\_\_\_\_MSDS Information \_\_\_\_\_RCRA Hazardous Waste Analysis \_\_\_\_\_Process Knowledge \_\_\_\_Other (Provide description above)

Driver/ Agent Signature R360 Representative Signature

Customer Approval

# THIS IS NOT AN INVOICE!

Approved By:

Date:

16UJ9A01CYAZ

R	acility: CRI		Custor Custor Ordera AFE # PO #: Manife Manife Manif. Hauler Driver Truck i Card #	Customer: CONOCOPHILLIPS Customer #: CRI2190 Ordered by: JUSTIN WRIGHT AFE #: PO #: Manifest #: NA Manif. Date: 1/30/2020 Hauler: MCNABB PARTNERS				Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	Page 31 of 2 700-1106302 O6UJ9A0009Z1 1/30/2020 CONOCOPHILLIPS 02854 EAST VACUUM GSA UNIT 002 NON-DRILLING LEA (NM)		
Facility: CRI											
Product / Servi	ce de la	N ALEAN		i na		Q	uantity l	Jnite Charles	化成金属物		
Contaminated	Soil (RCR	A Exempt)					20.00 y	ards			
	Cell	pН	CI	Cond.	%Solids	TDS	PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

\_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by

characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as

amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

\_ MSDS Information \_ RCRA Hazardous Waste Analysis \_ Process Knowledge \_ Other (Provide description above)

Driver/ Agent Signature

Customer Approval

# THIS IS NOT AN INVOICE!

Approved By:

Date:

6UJ9A01CY71

Received by OCD: 4/12/2022 2:04:5 RESOLUTIONS Permian Basin		Custo Custo Ordere AFE # PO #: Manife Manif, Hauler Driver Truck a Card #	Customer: CONOCOPHILLIPS Customer #: CRI2190 Ordered by: JUSTIN WRIGHT AFE #: PO #: Manifest #: NA Manif. Date: 1/31/2020 Hauler: MCNABB PARTNERS					Page 32 of 210 700-1106719 O6UJ9A0009Z1 1/31/2020 CONOCOPHILLIPS 02854 EAST VACUUM GSA UNIT 002 NON-DRILLING LEA (NM)			
Facility: CRI											
Product / Servi	ca 👘	法法案注意	is day is		CRI SAN		uantity Ü	nits			
Contaminated	Soil (RCR	A Exempt)						ards			
	Cell	pН	CI	Cond	. %Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0		an an an an Anna an Ann		and the second second second	an a	
1988 regulatory d	nat accordi leterminati	ng to the Reso on, the above	ource Conse described v	ervation a vaste is:	nd Recovery Act ( as exploration and						

\_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as

amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

\_\_\_\_MSDS Information \_\_\_\_RCRA Hazardous Waste Analysis \_\_\_\_ Process Knowledge \_\_\_ Other (Provide description above)

Driver/ Agent Signature R360 Representative Signature

Customer Approval

# THIS IS NOT AN INVOICE!

Approved By:

Date:

16UJ9A01CYXL

Released to Imaging: 5/17/2022 4:32:39 PM

	CONTRACTOR OF THE STORE	A Exempt)	A TOTAL CONTRACTOR OF A		CALARY STOCKED AND STOCKED	KERET AND M		ards	建制的资源和1976年1976年19		會理想的事了和1.4%。 第	
Product / Servi	-			and Bert	Negocia di Levia		uantity U	nits		With Long Mark	Marcente	
Facility: CRI												
			Job Re					Rig: County	LEA (NM)	LING		
			Truck # Card #		02			Field #:	NON-DRIL	LING		
Permian Basin			Hauler Driver	Hauler: MCNABB PARTNERS Driver CODY				VVell #: Field:	002			
	NVIRONMENTAL SOLUTIONS			Manifest #: NA Manif. Date: 1/31/2020					02854 EAST VACUUM GSA UNIT			
			PO#:	Ordered by: JUSTIN WRIGHT AFE #: PO #:					CONOCOP	-HILLIPS		
D?			14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						1/31/2020			
electron and			Custor Custor		ONOCOPHILL RI2190	122		Ticket #: Bid #:	700-1106804 O6UJ9A0009Z1			
		2022 2:04:		~	ONOCODUNI	100			700 11000		Page 33 o	

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by

characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

\_ MSDS Information \_ RCRA Hazardous Waste Analysis \_ Process Knowledge \_ Other (Provide description above)

Driver/ Agent Signature R360 Representative Signature

Customer Approval

## THIS IS NOT AN INVOICE!

Approved By:

Date:

16UJ9A01CZ42

sceivea by OC.	D: 4/12/2	2022 2:04:5	7 <b>PM</b>							i i	Page 34 o		
		× W	Customer	r: C	ONOCOPHILLI	PS		Ticket #:	700-11068	39			
L'HMANNEN HANS SHA			Customer	*#: C	CRI2190			Bid #:	O6UJ9A0009Z1				
			Ordered by: JUSTIN WRIGHT AFE #: PO #:					Date:	1/31/2020				
		39 7						Generator	CONOCOF	PHILLIPS			
ALCOUNTS CA		200						Generator #:					
				Manifest #: NA Manif. Date: 1/31/2020 Hauler: MCNABB PARTNERS					Well Ser. #: 02854 Well Name: EAST VACUUM GSA UNIT				
000.011									EAST VACUUM GSA UNIT				
Permian Basin		Driver		CODY	NERS		Well #: Field:	002					
		Truck # 2					Field #:						
			Card #					Rig:	NON-DRIL	LING			
			Job Ref #	1				County	LEA (NM)				
acility: CRI										A state of the later of the state of the sta			
and the set of second se	ce	7 W 22			國和海門	Qu	antity U	nits	的复数 建心产品	當該應將約7	trating set in		
Product / Servi	Article of the second se	A Exempt)	ALCON.	s and is	的思想。自己的问题	Qu	Contraction of Second	n <b>its</b> season and seasons and s	的复数制度		Gentador")		
Facility: CRI Product / Servi Contaminated	Article of the second se	A Exempt) pH	CI	Cond.	%Solids	TDS		and the second second second	H2S	% Oil	Weight		

1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by

characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

\_ MSDS Information \_ RCRA Hazardous Waste Analysis \_ Process Knowledge \_ Other (Provide description above)

Driver/ Agent Signature

Customer Approval

## THIS IS NOT AN INVOICE!

Approved By:

Date:

:6UJ9A01CZ81

Lab Analysis:	50/51	0.00	0.00	0.00	0						
	Cell	рН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Contaminated S	Soil (RCR	A Exempt)					18.00 ya	ards			
Product / Servi	ce de la			這些影響		Q	uantity U	nits) / 2404	被称为这次的	的律法派制	State -
acility: CRI											
			Truck # Card # Job Re		32			Field #: Rig: County	NON-DRIL LEA (NM)	LING	
Permian Basin		Hauler Driver	(	MCNABB PART	NERS		Well #: Field:	002			
ENVIRONMEN SOLUTI(			Manife Manif.	Date:	NA 1/31/2020			Generator #: Well Ser. #: Well Name:	02854 EAST VACUUM GSA UNIT		
R	Be	50	Custor Ordere AFE #: PO #:	d by:	CRI2190 JUSTIN WRIGH	т		Bid #: Date: Generator:	06UJ9A00 1/31/2020 CONOCO		
eceived by OC	D: 4/12/	2022 2:04:	Custor			IPS		Ticket #:	700-11067	16	Page 35 of 2

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by

characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

\_ MSDS Information \_ RCRA Hazardous Waste Analysis \_ Process Knowledge \_ Other (Provide description above)

Driver/ Agent Signature

Customer Approval

## THIS IS NOT AN INVOICE!

Approved By:

Date:

HEUJ9A01CYXS

Received by OC	<b>D:</b> 4/12/	2022 2:04:	57 PM								Page 36 of 210		
R	BE	50	Custom Ordered AFE #:						700-1106868 O6UJ9A0009Z1 1/31/2020 CONOCOPHILLIPS				
ENVIRONMEN	TAL	A	PO #: Manifes	st #:	NA			Generator #: Well Ser. #:	02854	02854			
SOLUTIONS				Manif. Date: 1/31/2020				Well Name:	EAST VACUUM GSA UNIT				
Permian Basin		Hauler: Driver Truck #	Driver GUMER				VVell #: 002 Field: Field #:						
			Card #		MOL			Rig:	NON-DRIL	LING			
			Job Ref	"#				County	LEA (NM)				
Facility: CRI													
Product / Servi	Ce,		4.3364			Q I	uantity U	nits and the		机电影	Sector 11		
Contaminated	Soil (RCR	A Exempt)					18.00 ya	yards					
	Cell	pН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight		
Lab Analysis:	50/51	0.00	0.00	0.00	0								
Conceptor Cont		New York West of a		65360108		NEW ALC: MILLING		Manage Debie volte solar		e Todecarate	A RESIDENCE AND		
Generator Cert	when down and the state of the state of the	AND INCOMENTATION AND ADDRESS OF A DESCRIPTION OF A DESCR	A.S. WOMMINPACKA AMARINA HIS	5	nd Recovery Act (F		dates LIC E			arda Julu	對最高的認識的認識		
1988 regulatory d	eterminatio	on, the above	described wa	aste is:	nd Recovery Act (F	(CRA) an	a me USEr	ivironmental ric	Stection Agen	cy's July			
X RCRA Exem	pt: Oil Fiel	d wastes gene	erated from o	oil and ga	as exploration and	production	n operations	and are not mix	ed with non-e	xempt waste	2.		
	Exempt: Oi				ous that does not ex								
					21-261.24 or listed strate the above-des								

\_ MSDS Information \_ RCRA Hazardous Waste Analysis \_ Process Knowledge \_ Other (Provide description above)

Driver/ Agent Signature

Customer Approval

## THIS IS NOT AN INVOICE!

Approved By:

Date:

16UJ9A01CZ80

eceivea by OC	<b>D:</b> 4/12/2	2022 2:04:5	7 <b>PM</b>								Page 37 o
		/ 8	Custom		CONOCOPHILL	IPS		Ticket #:	700-11069	22	
			Custom		CRI2190			Bid #:	O6UJ9A00	009Z1	
	215		Ordered	by:	JUSTIN WRIGH	Т		Date:	1/31/2020		
			AFE #:					Generator:	CONOCO	PHILLIPS	
NURONMEN	TAL	2000	PO #:					Generator #:			
SOLUTI		and the second	Manifes		NA			Well Ser. #:	02854		
0.01,0110	114.5		Manif. D		/31/2020			Well Name:	EAST VAC	UUM GSA	UNIT
Permian Basin	Í		Hauler:		ACNABB PART	NERS		Well #:	002		
			Driver		GUMER			Field:			
			Truck #	n	//32			Field #:		1.110	
			Card #					Rig:	NON-DRIL	LING	
			Job Ref	#				County	LEA (NM)		
acility: CRI											
and some strangers	Ce	1.1435	- 744-125)			i de la	uantity U	inits in the second		$\tilde{r}(t^*)(\tilde{A}_{t},\tilde{a}_{t})$	
roduct / Servi		A Evemont)					18.00 y	ards			
	Soil (RCR	A Exempty					50000		1100		1.8.1. 1. 1. 1
Product / Servi	Soil (RCR Cell	pH	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

\_ MSDS Information \_ RCRA Hazardous Waste Analysis \_ Process Knowledge \_ Other (Provide description above)

Driver/ Agent Signature R360 Representative Signature

Customer Approval

# THIS IS NOT AN INVOICE!

Approved By:

Date:

16UJ9A01CZAU

Received by OC	<b>D:</b> 4/12/	2022 2:04:									Page 38 of 210
		And B	Custo		ONOCOPHILI	_IPS		Ticket #:	700-11068	103	
					RI2190			Bid #:	06UJ9A00		
March .		5			USTIN WRIGH	łT		Date:	1/31/2020		
			AFE # PO #:					Generator:	CONOCO	PHILLIPS	
ENVIRONMEN	TAL	200	Manife		A			Generator #:	00054		
SOLUTIO	INS V	A State State			/31/2020			Well Ser. #: Well Name:	02854	UUM GSA	LINUT
Danning Dest			Hauler		ICNABB PART	NERS		Well #:	002	JOOWI GSA	UNIT
Permian Basin			Driver		UMER			Field:	002		
			Truck	# 33	2			Field #:			
			Card #	ŧ				Rig:	NON-DRIL	LING	
			Job Re	ef#				County	LEA (NM)		
Facility: CRI											
Product / Service		的。金融。	28 8 1 (S)	ANT DI	AND REAL	Q	uantity Ü	nits		an an early	
Contaminated S	Soil (RCR	A Exempt)					18.00 ya	ards			
				596a - 10			10.00 ye	arus			
	Cell	pН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00							

# Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by

characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as

amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

\_ MSDS Information \_ RCRA Hazardous Waste Analysis \_ Process Knowledge \_ Other (Provide description above)

Driver/ Agent Signature

Customer Approval

# THIS IS NOT AN INVOICE!

Approved By:

Date:

16UJ9A01CZ3Z

Received by OCD: 4/12/2022 2:04:57	PM			Page 3	39 of 21
R360	Customer: Customer #: Ordered by: AFE #: PO #:	CONOCOPHILLIPS CRI2190 JUSTIN WRIGHT	Ticket #: Bid #: Date: Generator: Generator #:	700-1106714 06UJ9A0009Z1 1/31/2020 CONOCOPHILLIPS	
ENVIRONMENTAL SOLUTIONS	Manifest #: Manif. Date: Hauler: Driver	NA 1/31/2020 MCNABB PARTNERS JASON	Well Ser. #: Well Name: Well #: Field:	02854 EAST VACUUM GSA UNIT 002	
	Truck # Card # Job Ref #	81	Field #: Rig: County	NON-DRILLING LEA (NM)	

0

# Facility: CRI

Product / Servi	ce		國起戰的	(本書))][[14]	脉影物应及	N. H. MQ	uantity Unit		No.	(在3)的名称	
Contaminated S	Soil (RCR	A Exempt)	)				20.00 yard	ls			
	Cell	pН	CI	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0		an and a second second second second				

# Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by

characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as

amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

\_ MSDS Information \_ RCRA Hazardous Waste Analysis \_ Process Knowledge \_ Other (Provide description above)

Driver/ Agent Signature R360 Representative Signature

Customer Approval

# THIS IS NOT AN INVOICE!

Approved By:

Date:

IGUJ9A01CYXP

	Cell	pН	CI	Cond.	%Solids	TDS	PCI/GM		H2S	% Oil	Weight
ontaminated	Soil (RCR	A Exempt)					20.00 ya	ards			
Product / Servi	Ce and the		- 法教授	相同的	4	0	uantity U	inits		and the star	Style ?
Facility: CRI											
			Job Re	et #				County	LEA (NM)		
			Card #					Rig:	NON-DRIL	LING	
Permian Basin			Driver Truck a	J	ASON			Field: Field #:			
	setting.		Manif, Hauler		/31/2020 ICNABB PART	NERS		Well Name: Well #:	EAST VAC	UUM GSA	UNIT
ENVIRONMEN SOLUTIL			Manife		IA Iot Ioooo			Well Ser. #:	02854		
	2VC		AFE # PO #:					Generator: Generator #:	CONOCOR	PHILLIPS	
	-/-		Ordere		USTIN WRIGH	т		Date:	1/31/2020		
a training work the second second second			Custor Custor		ONOCOPHILL	IPS		Ticket #: Bid #:	700-11068 O6UJ9A00		
		2022 2:04:5				100			700 44000		Page 40 o

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by

characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

\_\_\_\_MSDS Information \_\_\_\_RCRA Hazardous Waste Analysis \_\_\_\_ Process Knowledge \_\_\_\_ Other (Provide description above)

Driver/ Agent Signature R360 Rapresentative Signature

Customer Approval

# THIS IS NOT AN INVOICE!

Approved By:

Date:

(6UJ9A01CZ43

.

# APPENDIX D Soil Boring Logs

# Received by OCD: 4/12/2022 2:04:57 PM \_\_\_\_\_ Page 42 of 210

212C-M	D-02499	T	Ŀ	ETRA	A TEC	СН				LOG OF BORING BH-22-1		Page 1 of 2
Project Na	ame: EV	GSAU 3	440-	-002	Flow	vline l	Relea	ase				
Borehole I	Location:	GPS: 32	2.789	9856°,	, -103	3.4496	41°			surface Elevation: 3931 ft		
Borehole I	Number:	BH-22-	1					B	oreh	er (in.): 8 Date Started: 2/17/2022 Date Fini	shed	: 2/17/2022
DEPTH (ft) OPERATION TYPE	SAMPLE CHLORIDE FIELD	VOC FIELD SCREENING (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT	PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	WATER LEVEL OBSERVATIONS		PRY_ft REMARKS
DEI OPI	ExStik	PID	SAI	MO	BR	LL	PI	MIM	GR		DE	
	X									-SM- SILTY SAND: Brown, loose, with clay, dry.	- <u>2</u> 3	BH-22-1 (2'-3')
5										-	- - 7	BH-22-1 (4'-5') BH-22-1 (6'-7')
										-SM- CALICHE: Tan, dense, heavily cemented, with gravel.	- - - -	BH-22-1 (9'-10
										-SM- SILTY SAND: Tan, dense, moderately cemented, dry.		BH-22-1 (14'-1 BH-22-1 (19'-2
25 Sampler Types:	Split Spoor Shelby Bulk Samp Grab Samp			е	er T		Mud Rota	tinuou nt Aug sh	ser	Hand Auger Air Rotary Air Rotary Direct Push Core Barrel		BH-22-1 (24'-2 lumn. Surface
	·	~ 🗀			_	L=		-		- 		
_ogger:		<sup>6</sup> 571772			]	Drilling	Equi	pmen	t: Ai	Driller:         Scarborough Drilling           ATE DECEMBER WELL.GDT '`         ``		Revised 5-16-

2120	C-M	D-0	2499		<b>T</b>	<b>b</b> ]'	ETR/	A TEC	н				L	.00	G OF E	BORI	NG	BH-22	2-1				Page 2 of 2
Proje	ct Na	ame	: Е	L VG	SAU 3	440	-002	Flow	line	Rele	ase												2 01 2
oreł	nole	Loc	ation:	G	BPS: 3	2.789	9856°	, -103	8.4496	641°			Surface Elevatior	n:	3931 ft								
Boreł	nole	Nun	nber:	В	H-22-	1					E	orehc Diamet	ble 8 ter (in.):		Date Sta	rted:	2/17/	2022		Date F	inisheo	d: 2	/17/2022
			UD (md		(mq	ERY (%)	ENT (%)	f)		DEX			While Drilling Remarks:		ATER L DRY_f						<u>¥</u> [	DRY	ft
DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD		VOC FIELD SCREENING (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	F LIQUID LIMIT	Development of the second seco	MINUS NO. 200 (%)	GRAPHIC LOG	MA	TEI	rial de	ESCR	RIPTIC	ON			DEPTH (ft)		REMARKS
-		$\mathbb{X}$																					
30	$\langle \langle$	$\langle \rangle$											D	otto	m of bo	robolo	ot 20	0 foot			30	BH-2	22-1 (29'-30')
Samp	bler S:		Spio Spo She She She	lby c nple b			е	r T		Muc Rot	ary itinuou ht Aug sh	s er		nal					the "	Rema	rks" co	olumn	n. Surface

# Received by OCD: 4/12/2022 2:04:57 PM

Pas	ze 44	<u>of 210</u>	
-	,	5	

212C-M	D-0249	9	T	Ð	ETR/	A TEC	н				LOG OF BORING BH-22-2	Page 1 of 1
Project Na	ame:	EVG	SAU 34	440	-002	Flow	/line	Rele	ase			
Borehole	Locatio	n: G	SPS: 32	2.790	023°,	, -103	.4494	134°			Surface Elevation: 3929 ft	
Borehole	Numbe	r: B	H-22-2	2					E	Boreh Diame	ble (in.): 8 Date Started: 2/16/2022 Date Finishe	d: 2/16/2022
PE		(mqq)	(mqq)	VERY (%)	NTENT (%)	pcf)		INDEX			WATER LEVEL OBSERVATIONS	DRY_ft
DEPTH (ft) OPERATION TYPE	₹ —	Ait SCREENING (ppm)	UNC FIELD SCREENING (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)		D PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTION (관 변습명	REMARKS
											Previously excavated during initial response activities.	
	$\overline{\mathbb{X}}$										-SM- SILTY SAND: Brown, loose, with clay, drySM- SILTY SAND: Tan, moderately cemented, moderate gravel.	BH-22-2 (2'-3')
	Å											BH-22-2 (4'-5') BH-22-2 (6'-7')
	X										-SM- CALICHE: Tan, dense, heavily cemented, with gravel.	BH-22-2 (9'-10')
	X											BH-22-2 (14'-15') BH-22-2 (19'-20')
20 ))	/_\										Bottom of borehole at 20.0 feet.	
Sampler Types:	S 1000 S	Split Spoon Shelby Sulk Sample				r T	)perat ypes:	Muc Rota			Hand Auger Notes: Air Rotary Arr Rotary Direct Push	olumn. Surface
	sm (	Sample Grab Sample		ampi est P				Wa: Rota	sh		Core Barrel	
Logger:	Joe Tyle	r				1	Drilling	g Equ	ipme	nt: Ai	Rotary Driller: Scarborough Drilling	
VGSAU 344 Cased to	40-002.G	RJ ` 4-6- ing: 5	2 2 1 7 1 2 1		¥-952	DTE CH	PW	ELL3`	2015	TT TEN	PLATE DECEMBER WELL.GDT ' `	Revised 5-16-12 (

•

of 1 2022
ARKS
ARKS
2'-3')
4'-5')
+-3)
6'-7')
9'-10')
0 10)
14'-15')
19'-20')

 Logger:
 Joe Tyler
 Drilling Equipment:
 Air Rotary
 Driller:
 Scarborough Drilling

 Reference
 Reference
 State
 <t

# Received by OCD: 4/12/2022 2:04:57 PM

	Page 46 of 210
LOG OF BORING BH-22-4	Page 1 of 1

	ame: E	VGSAU 3	3440.	.002	Flow	line	Rele	ase						1 of 1
<b>Sorehole</b>	Location:	GPS: 3						430		Surface Elevation:	3928 ft			
	Number:	BH-22-			, 100			Ę		le 8 er (in.):	Date Started: 2/17/2022	Date Fi	nished	: 2/17/2022
				NT (%)			EX			v	VATER LEVEL OBSERVATIO	NS		<u>PRY</u> ft
DEPTH (ft) OPERATION TYPE	SAMPLE SAMPLE CHLORIDE FIELD SCREENING (ppm)		SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)		D PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG		RIAL DESCRIPTION		DEPTH (ft)	REMARKS
-									·	activities.	xcavated during initial response		2	
	Å										AND: Brown, loose, with clay, dry E: Tan, dense, heavily cemented		3	BH-22-4 (2'-3')
5	Ă									- - - - -			_	BH-22-4 (4'-5') BH-22-4 (6'-7')
	Å									- - - - -			_	
10 ( (	$\square$								a <u>'a</u>		om of borehole at 10.0 feet.		10	BH-22-4 (9'-10')
Sampler Types:	Spli Spo She San San San	Iby	Acetati /ane S Discre Sampl Fest P	te e	r C.	Deeras ypera:	Mud Rota	ary tinuou ht Aug sh	is jer		s: lytical samples are shown in the ration is an estimated value.	"Remark	ks" co	lumn. Surface

212	С-М	D-02	2499		Ŀ	ETR/	A TEC	сн				LOG OF BORING BH-22-5	Page 1 of 1
roje	ct Na	ame	EV	GSAU 3	440	-002	Flow	vline	Rele	ase			
oreh	ole	Loca	ation:	GPS: 3	2.789	9710°	, -103	8.4487	706°			Surface Elevation: 3925 ft	
oreh	ole	Num	nber:	BH-22-	5						loreho	ole Date Started: 2/16/2022 Date Finished: 2/1	6/2022
	Ш		(mdc	(mdc	ERY (%)	-ENT (%)	sf)		JDEX	(%		WATER LEVEL OBSERVATIONSWhile Drilling $\underline{\underline{\nabla} DRY}$ ftUpon Completion of Drilling $\underline{\underline{\Psi} DRY}$ ftRemarks:	
DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm)	UNCE FIELD	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)		D PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTION	EMARKS
_	$\langle \langle \rangle$												-5 (0-1')
_	$\left< \right>$	Å									a 'a a 'a	-SM- CALICHE: Tan, dense, heavily cemented, with gravel.	-5 (2'-3') -5 (4'-5')
5	$\left\langle \right\rangle$												-5 (4 -5 ) -5 (6'-7')
_	$\langle \langle \rangle$										a <u>- a</u>		
<u>10</u> 													-5 (9'-10')
5	$\langle \langle \rangle \rangle \langle \rangle \rangle$											16	-5 (14'-15')
_	$\left\{ \right\}$	$\overline{\mathbf{V}}$										-SM- SILTY SAND: Tan, dense, moderately	
20	$\langle \langle  $	$\mathbb{N}$											-5 (19'-20')
											<u></u>	Bottom of borehole at 20.0 feet.	
amp	ler S:		Split Spoon Shelby Bulk Sampl	، آ_اً <i>ا</i>		e Line Shear te e		Dperative Types:	Muc Rot	l ary tinuou ht Aug	s er	Hand Auger       Notes:         Air Rotary       Analytical samples are shown in the "Remarks" column. elevation is an estimated value.         Direct Push       Direct Push	Surface

Logger:	Joe Tyler		Drilling Equipment:	Air Rotary	Driller:	Scarborough Drilling
EV/GSALL 3/	10-002 GRI 14-6-22	TT. ALISTIN, GEOT	CH_NOWELL3 \ 2015 TT	TEMPLATE DECEMB		GDT''

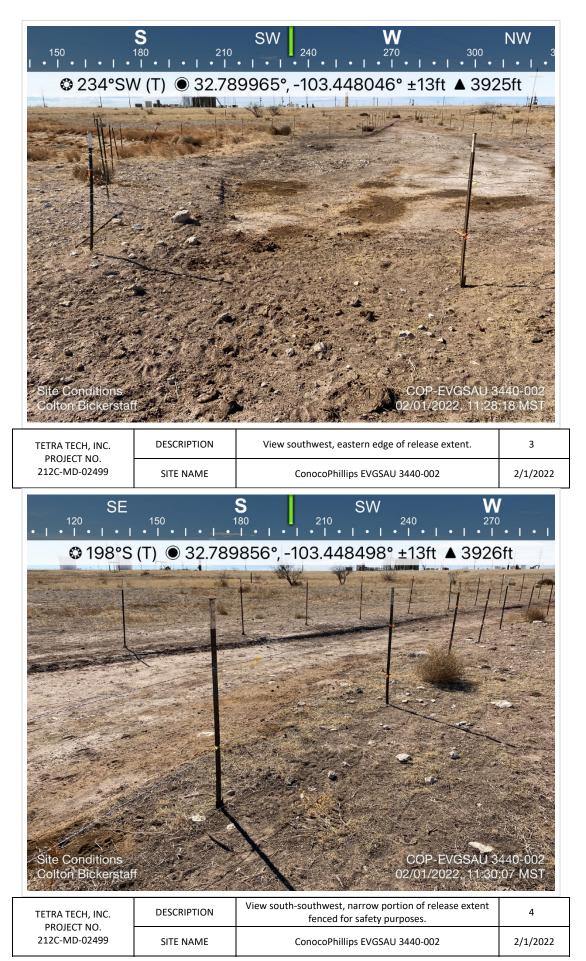
roject Name:									LOG OF BORING BH-22-6	Page 1 of 1
	EVGSAU 3	3440-	-002	Flow	vline	Rele	ase			
orehole Locatio	n: GPS: 3	2.789	)858°,	, -103	8.4482	276°			Surface Elevation: 3925 ft	
orehole Numbe	: BH-22-	6						loreho Diame	le cr (in.): 8 Date Started: 2/16/2022 Date Finished:	2/16/2022
D) Dm) Dm) Cm (%) ENT (%) DEX						DEX	(9		WATER LEVEL OBSERVATIONS           While Drilling $\underline{\nabla}$ DRY ft         Upon Completion of Drilling $\underline{\Psi}$ DF           Remarks:	<u>RY_</u> ft
	NOC FIELD           OId         VOC FIELD           SCREENING (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)		D PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTION (문) 변 법 법 법	REMARKS
									-SM- SILTY SAND: Brown, loose, with clay, dry.	3H-22-6 (0-1')
									-SM- CALICHE: Tan, dense, heavily cemented,	BH-22-6 (2'-3')
5								a <u>'a</u> a <u>'a</u> a <u>'a</u>	with gravel.	3H-22-6 (4'-5')
										3H-22-6 (6'-7')
<u>o</u>								a <u>'a</u> a <u>'a</u> a <u>'a</u> a <u>'a</u>		3H-22-6 (9'-10')
5										BH-22-6 (14'-15')
									-SM- SILTY SAND: Tan, dense, moderately cemented, dry.	
o									20	BH-22-6 (19'-20')
									Bottom of borehole at 20.0 feet.	

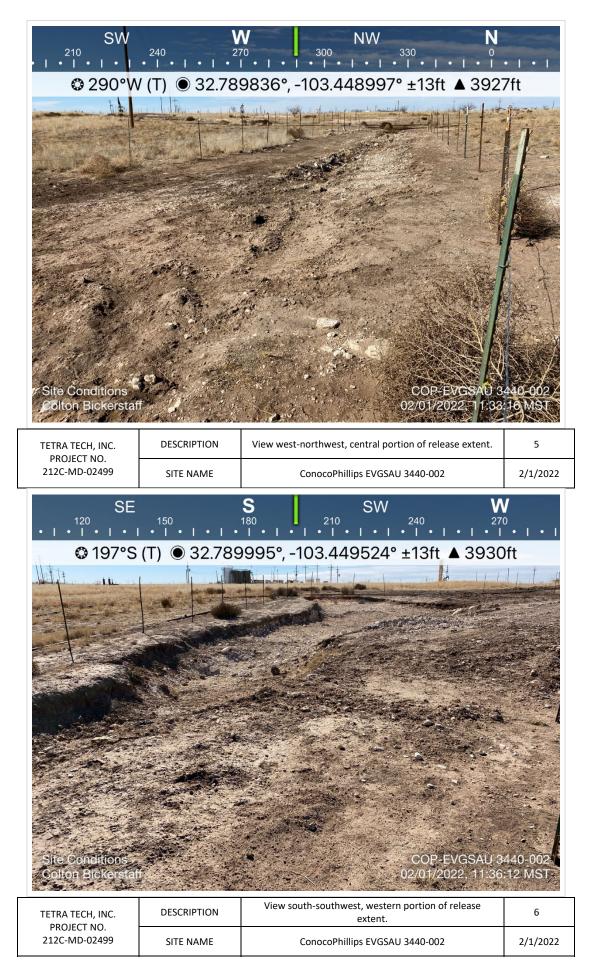
 Logger:
 Joe Tyler
 Drilling Equipment: Air Rotary
 Driller: Scarborough Drilling

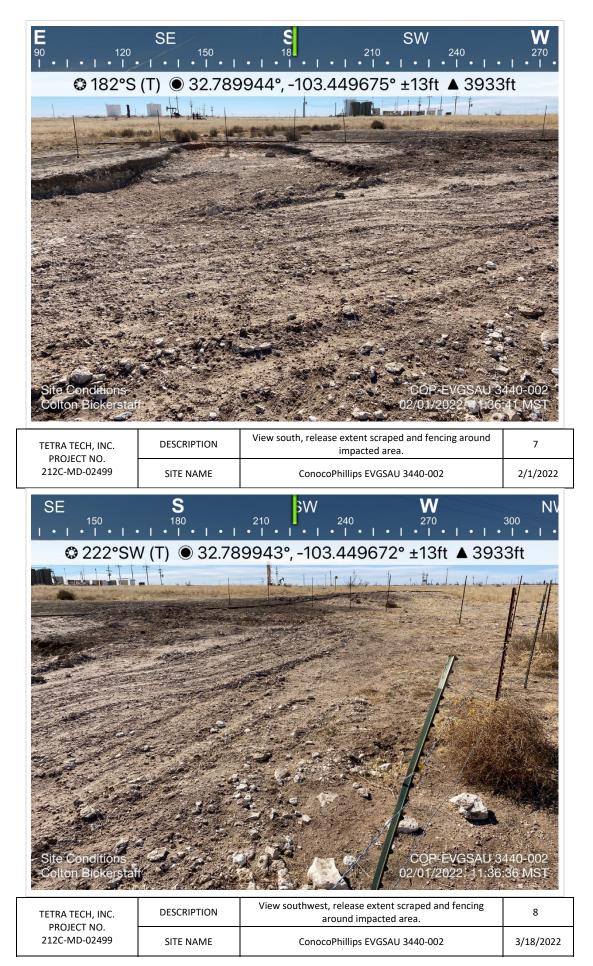
 EVGSAU 3440-002 GRJ: 4-6-22; TT AUSTIN GEOTECH, NOWELL3: 2015 TT TEMPLATE DECEMBER WELL.GDT ':
 Released to Imaging: 5/17/2022 4:32:39 PM

# APPENDIX E Photographic Documentation









# APPENDIX F Laboratory Analytical Data



February 26, 2022

CHRISTIAN LLULL TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: EVGSAU 3440-02 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 02/21/22 12:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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,

Celez D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/17/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

# Sample ID: BH - 22 - 01 ( 2-3 ) (H220658-01)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	02/25/2022	ND	2.06	103	2.00	4.38	
Toluene*	<0.050	0.050	02/25/2022	ND	2.05	102	2.00	4.15	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	1.98	99.1	2.00	3.50	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.17	103	6.00	2.38	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4960	16.0	02/24/2022	ND	416	104	400	3.77	
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	02/24/2022	ND	188	93.9	200	20.9	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	186	93.1	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	91.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	97.7	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/17/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

# Sample ID: BH - 22 - 01 ( 4-5 ) (H220658-02)

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	02/25/2022	ND	2.06	103	2.00	4.38	
Toluene*	<0.050	0.050	02/25/2022	ND	2.05	102	2.00	4.15	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	1.98	99.1	2.00	3.50	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.17	103	6.00	2.38	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3360	16.0	02/24/2022	ND	416	104	400	3.77	
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	02/24/2022	ND	188	93.9	200	20.9	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	186	93.1	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	98.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	104	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/17/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

# Sample ID: BH - 22 - 01 ( 6-7 ) (H220658-03)

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	02/25/2022	ND	2.06	103	2.00	4.38	
Toluene*	<0.050	0.050	02/25/2022	ND	2.05	102	2.00	4.15	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	1.98	99.1	2.00	3.50	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.17	103	6.00	2.38	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	02/24/2022	ND	416	104	400	3.77	
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	02/24/2022	ND	188	93.9	200	20.9	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	186	93.1	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	95.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	101	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/17/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 01 ( 9-10 ) (H220658-04)

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	02/25/2022	ND	2.06	103	2.00	4.38	
Toluene*	<0.050	0.050	02/25/2022	ND	2.05	102	2.00	4.15	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	1.98	99.1	2.00	3.50	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.17	103	6.00	2.38	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	02/24/2022	ND	416	104	400	3.77	
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	02/24/2022	ND	188	93.9	200	20.9	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	186	93.1	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	91.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	97.2	% 59.5-14	2						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/17/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 01 ( 14-15 ) (H220658-05)

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	02/25/2022	ND	2.06	103	2.00	4.38	
Toluene*	<0.050	0.050	02/25/2022	ND	2.05	102	2.00	4.15	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	1.98	99.1	2.00	3.50	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.17	103	6.00	2.38	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	02/24/2022	ND	416	104	400	3.77	
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	02/23/2022	ND	210	105	200	0.703	
DRO >C10-C28*	<10.0	10.0	02/23/2022	ND	248	124	200	0.139	
EXT DRO >C28-C36	<10.0	10.0	02/23/2022	ND					
Surrogate: 1-Chlorooctane	108	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	110	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/17/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

#### Sample ID: BH - 22 - 01 ( 19-20 ) (H220658-06)

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	02/25/2022	ND	2.06	103	2.00	4.38	
Toluene*	<0.050	0.050	02/25/2022	ND	2.05	102	2.00	4.15	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	1.98	99.1	2.00	3.50	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.17	103	6.00	2.38	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	02/24/2022	ND	416	104	400	3.77	QM-07
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	02/23/2022	ND	210	105	200	0.703	
DRO >C10-C28*	<10.0	10.0	02/23/2022	ND	248	124	200	0.139	
EXT DRO >C28-C36	<10.0	10.0	02/23/2022	ND					
Surrogate: 1-Chlorooctane	106	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	108	% 59.5-14	2						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/17/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

#### Sample ID: BH - 22 - 01 ( 24-25 ) (H220658-07)

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	02/25/2022	ND	2.06	103	2.00	4.38	
Toluene*	<0.050	0.050	02/25/2022	ND	2.05	102	2.00	4.15	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	1.98	99.1	2.00	3.50	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.17	103	6.00	2.38	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/24/2022	ND	416	104	400	3.77	
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	02/23/2022	ND	210	105	200	0.703	
DRO >C10-C28*	<10.0	10.0	02/23/2022	ND	248	124	200	0.139	
EXT DRO >C28-C36	<10.0	10.0	02/23/2022	ND					
Surrogate: 1-Chlorooctane	106	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	109	% 59.5-14	2						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/17/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 01 ( 29-30 ) (H220658-08)

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	02/25/2022	ND	2.06	103	2.00	4.38	
Toluene*	<0.050	0.050	02/25/2022	ND	2.05	102	2.00	4.15	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	1.98	99.1	2.00	3.50	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.17	103	6.00	2.38	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/24/2022	ND	416	104	400	3.77	
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	02/24/2022	ND	210	105	200	0.703	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	248	124	200	0.139	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	104	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	108	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/16/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

## Sample ID: BH - 22 - 02 ( 2-3 ) (H220658-09)

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	02/25/2022	ND	2.06	103	2.00	4.38	
Toluene*	<0.050	0.050	02/25/2022	ND	2.05	102	2.00	4.15	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	1.98	99.1	2.00	3.50	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.17	103	6.00	2.38	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	02/24/2022	ND	416	104	400	3.77	
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*	11.3	10.0	02/24/2022	ND	210	105	200	0.703	
DRO >C10-C28*	436	10.0	02/24/2022	ND	248	124	200	0.139	
EXT DRO >C28-C36	88.3	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	100	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	119	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/16/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

# Sample ID: BH - 22 - 02 ( 4-5 ) (H220658-10)

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	02/25/2022	ND	2.06	103	2.00	4.38	
Toluene*	<0.050	0.050	02/25/2022	ND	2.05	102	2.00	4.15	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	1.98	99.1	2.00	3.50	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.17	103	6.00	2.38	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	02/24/2022	ND	416	104	400	3.77	
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	02/24/2022	ND	210	105	200	0.703	
DRO >C10-C28*	378	10.0	02/24/2022	ND	248	124	200	0.139	
EXT DRO >C28-C36	76.2	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	90.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	105	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/16/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

## Sample ID: BH - 22 - 02 ( 6-7 ) (H220658-11)

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	02/25/2022	ND	2.17	108	2.00	1.65	
Toluene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.65	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.90	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.58	110	6.00	1.90	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1810	16.0	02/24/2022	ND	416	104	400	3.77	
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*	15.9	10.0	02/24/2022	ND	210	105	200	0.703	
DRO >C10-C28*	661	10.0	02/24/2022	ND	248	124	200	0.139	
EXT DRO >C28-C36	136	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	107	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	128	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/16/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

## Sample ID: BH - 22 - 02 ( 9-10 ) (H220658-12)

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	02/25/2022	ND	2.17	108	2.00	1.65	
Toluene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.65	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.90	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.58	110	6.00	1.90	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	02/24/2022	ND	416	104	400	3.77	
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	02/24/2022	ND	210	105	200	0.703	
DRO >C10-C28*	94.0	10.0	02/24/2022	ND	248	124	200	0.139	
EXT DRO >C28-C36	10.8	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	98.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	103 9	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/16/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 02 ( 14-15 ) (H220658-13)

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	02/25/2022	ND	2.17	108	2.00	1.65	
Toluene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.65	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.90	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.58	110	6.00	1.90	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/24/2022	ND	416	104	400	3.77	
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	02/24/2022	ND	210	105	200	0.703	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	248	124	200	0.139	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	92.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	92.1	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/16/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 02 ( 19-20 ) (H220658-14)

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	02/25/2022	ND	2.17	108	2.00	1.65	
Toluene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.65	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.90	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.58	110	6.00	1.90	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/24/2022	ND	416	104	400	3.77	
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	02/24/2022	ND	210	105	200	0.703	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	248	124	200	0.139	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	90.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	89.8	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/17/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

# Sample ID: BH - 22 - 03 ( 2-3 ) (H220658-15)

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	02/25/2022	ND	2.17	108	2.00	1.65	
Toluene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.65	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.90	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.58	110	6.00	1.90	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3800	16.0	02/24/2022	ND	416	104	400	3.77	
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	02/24/2022	ND	210	105	200	0.703	
DRO >C10-C28*	134	10.0	02/24/2022	ND	248	124	200	0.139	
EXT DRO >C28-C36	19.1	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	87.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	93.1	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/17/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

# Sample ID: BH - 22 - 03 ( 4-5 ) (H220658-16)

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	02/25/2022	ND	2.17	108	2.00	1.65	
Toluene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.65	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.90	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.58	110	6.00	1.90	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	02/24/2022	ND	416	104	400	3.77	
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	02/24/2022	ND	210	105	200	0.703	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	248	124	200	0.139	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	89.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	87.7	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/17/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

# Sample ID: BH - 22 - 03 ( 6-7 ) (H220658-17)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2022	ND	2.17	108	2.00	1.65	
Toluene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.65	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.90	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.58	110	6.00	1.90	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1480	16.0	02/24/2022	ND	416	104	400	3.77	
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	02/24/2022	ND	210	105	200	0.703	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	248	124	200	0.139	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	97.8 % 66.9-13		6						
Surrogate: 1-Chlorooctadecane	95.4	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/17/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 03 ( 9-10 ) (H220658-18)

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	02/25/2022	ND	2.17	108	2.00	1.65	
Toluene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.65	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.90	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.58	110	6.00	1.90	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	02/24/2022	ND	416	104	400	3.77	
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	02/24/2022	ND	210	105	200	0.703	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	248	124	200	0.139	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	96.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	93.5	% 59.5-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/17/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 03 (14-15) (H220658-19)

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	02/25/2022	ND	2.17	108	2.00	1.65	
Toluene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.65	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.90	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.58	110	6.00	1.90	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	02/24/2022	ND	416	104	400	3.77	
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	02/24/2022	ND	166	83.2	200	1.22	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	220	110	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	82.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	83.7	% 59.5-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/17/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 03 ( 19-20 ) (H220658-20)

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	02/25/2022	ND	2.17	108	2.00	1.65	
Toluene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.65	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.90	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.58	110	6.00	1.90	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/24/2022	ND	416	104	400	3.77	
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	02/24/2022	ND	166	83.2	200	1.22	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	220	110	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	78.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	81.8	% 59.5-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/17/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 04 ( 2-3 ) (H220658-22)

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	02/25/2022	ND	2.17	108	2.00	1.65	
Toluene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.65	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.90	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.58	110	6.00	1.90	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	02/24/2022	ND	416	104	400	3.77	
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	02/24/2022	ND	166	83.2	200	1.22	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	220	110	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	93.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	94.9	% 59.5-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/17/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 04 ( 4-5 ) (H220658-23)

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	02/25/2022	ND	2.17	108	2.00	1.65	
Toluene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.65	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.90	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.58	110	6.00	1.90	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
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	02/24/2022	ND	416	104	400	3.77	
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	02/24/2022	ND	166	83.2	200	1.22	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	220	110	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	87.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	89.7	% 59.5-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/17/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 04 ( 6-7 ) (H220658-24)

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	02/25/2022	ND	2.17	108	2.00	1.65	
Toluene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.65	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.90	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.58	110	6.00	1.90	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	02/24/2022	ND	416	104	400	3.77	
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	02/24/2022	ND	166	83.2	200	1.22	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	220	110	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	86.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	89.2	% 59.5-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/17/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 04 ( 9-10 ) (H220658-25)

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	02/25/2022	ND	2.17	108	2.00	1.65	
Toluene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.65	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.90	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.58	110	6.00	1.90	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/24/2022	ND	416	104	400	3.77	
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	02/24/2022	ND	166	83.2	200	1.22	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	220	110	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	78.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	79.4	% 59.5-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/16/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 05 ( 0-1 ) (H220658-26)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	02/25/2022	ND	2.17	108	2.00	1.65	
Toluene*	1.08	0.200	02/25/2022	ND	2.14	107	2.00	1.65	
Ethylbenzene*	15.0	0.200	02/25/2022	ND	2.14	107	2.00	1.90	
Total Xylenes*	33.2	0.600	02/25/2022	ND	6.58	110	6.00	1.90	
Total BTEX	49.2	1.20	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	176	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2760	16.0	02/24/2022	ND	400	100	400	3.92	QM-07
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1540	100	02/24/2022	ND	166	83.2	200	1.22	
DRO >C10-C28*	12900	100	02/24/2022	ND	220	110	200	4.17	
EXT DRO >C28-C36	2110	100	02/24/2022	ND					
Surrogate: 1-Chlorooctane	606	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	1310	% 59.5-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/16/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 05 ( 2-3 ) (H220658-27)

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	02/25/2022	ND	2.17	108	2.00	1.65	
Toluene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.65	
Ethylbenzene*	0.169	0.050	02/25/2022	ND	2.14	107	2.00	1.90	
Total Xylenes*	0.402	0.150	02/25/2022	ND	6.58	110	6.00	1.90	
Total BTEX	0.571	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1880	16.0	02/24/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	41.6	10.0	02/24/2022	ND	166	83.2	200	1.22	
DRO >C10-C28*	1340	10.0	02/24/2022	ND	220	110	200	4.17	
EXT DRO >C28-C36	272	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	103 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	157 9	% 59.5-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/16/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 05 ( 4-5 ) (H220658-28)

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	02/25/2022	ND	2.17	108	2.00	1.65	
Toluene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.65	
Ethylbenzene*	0.099	0.050	02/25/2022	ND	2.14	107	2.00	1.90	
Total Xylenes*	0.311	0.150	02/25/2022	ND	6.58	110	6.00	1.90	
Total BTEX	0.410	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1180	16.0	02/24/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	39.3	10.0	02/24/2022	ND	166	83.2	200	1.22	
DRO >C10-C28*	1440	10.0	02/24/2022	ND	220	110	200	4.17	
EXT DRO >C28-C36	270	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	101 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	156 9	% 59.5-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/16/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 05 ( 6-7 ) (H220658-29)

BTEX 8021B	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2022	ND	2.17	108	2.00	1.65	
Toluene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.65	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.90	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.58	110	6.00	1.90	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/24/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/24/2022	ND	166	83.2	200	1.22	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	220	110	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	88.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	92.1	% 59.5-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/16/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 05 ( 9-10 ) (H220658-30)

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	02/25/2022	ND	2.17	108	2.00	1.65	
Toluene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.65	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.90	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.58	110	6.00	1.90	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/24/2022	ND	400	100	400	3.92	
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	02/24/2022	ND	166	83.2	200	1.22	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	220	110	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	75.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	77.0	% 59.5-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/16/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 05 ( 14-15 ) (H220658-31)

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	02/25/2022	ND	2.17	108	2.00	1.65	
Toluene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.65	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.14	107	2.00	1.90	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.58	110	6.00	1.90	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/24/2022	ND	400	100	400	3.92	
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	02/24/2022	ND	166	83.2	200	1.22	
DRO >C10-C28*	93.7	10.0	02/24/2022	ND	220	110	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	80.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	88.0	% 59.5-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/16/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 05 ( 19-20 ) (H220658-32)

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	02/25/2022	ND	2.10	105	2.00	1.92	
Toluene*	<0.050	0.050	02/25/2022	ND	2.07	104	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.04	102	2.00	2.76	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.29	105	6.00	2.91	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/24/2022	ND	400	100	400	3.92	
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	02/24/2022	ND	166	83.2	200	1.22	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	220	110	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	80.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	82.3	% 59.5-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/16/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 06 ( 0-1 ) (H220658-33)

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	02/25/2022	ND	2.10	105	2.00	1.92	
Toluene*	<0.050	0.050	02/25/2022	ND	2.07	104	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.04	102	2.00	2.76	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.29	105	6.00	2.91	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8480	16.0	02/24/2022	ND	400	100	400	3.92	
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	02/24/2022	ND	166	83.2	200	1.22	
DRO >C10-C28*	764	10.0	02/24/2022	ND	220	110	200	4.17	
EXT DRO >C28-C36	166	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	90.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	133	% 59.5-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/16/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 06 ( 2-3 ) (H220658-34)

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	02/25/2022	ND	2.10	105	2.00	1.92	
Toluene*	<0.050	0.050	02/25/2022	ND	2.07	104	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.04	102	2.00	2.76	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.29	105	6.00	2.91	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4480	16.0	02/24/2022	ND	400	100	400	3.92	
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	02/24/2022	ND	166	83.2	200	1.22	
DRO >C10-C28*	96.3	10.0	02/24/2022	ND	220	110	200	4.17	
EXT DRO >C28-C36	16.7	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	97.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	112 9	% 59.5-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/16/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 06 ( 4-5 ) (H220658-35)

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	02/25/2022	ND	2.10	105	2.00	1.92	
Toluene*	<0.050	0.050	02/25/2022	ND	2.07	104	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.04	102	2.00	2.76	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.29	105	6.00	2.91	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3360	16.0	02/24/2022	ND	400	100	400	3.92	
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	02/24/2022	ND	166	83.2	200	1.22	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	220	110	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	82.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	84.9	% 59.5-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/16/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 06 ( 6-7 ) (H220658-36)

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	02/25/2022	ND	2.10	105	2.00	1.92	
Toluene*	<0.050	0.050	02/25/2022	ND	2.07	104	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.04	102	2.00	2.76	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.29	105	6.00	2.91	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	02/24/2022	ND	400	100	400	3.92	
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	02/24/2022	ND	166	83.2	200	1.22	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	220	110	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	84.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	85.8	% 59.5-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/16/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 06 ( 9-10 ) (H220658-37)

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	02/25/2022	ND	2.10	105	2.00	1.92	
Toluene*	<0.050	0.050	02/25/2022	ND	2.07	104	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.04	102	2.00	2.76	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.29	105	6.00	2.91	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/24/2022	ND	400	100	400	3.92	
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	02/24/2022	ND	166	83.2	200	1.22	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	220	110	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	89.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	92.8	% 59.5-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/16/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 06 (14-15) (H220658-38)

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	02/25/2022	ND	2.10	105	2.00	1.92	
Toluene*	<0.050	0.050	02/25/2022	ND	2.07	104	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.04	102	2.00	2.76	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.29	105	6.00	2.91	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/24/2022	ND	400	100	400	3.92	
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	02/24/2022	ND	166	83.2	200	1.22	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	220	110	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	82.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	86.9	% 59.5-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/16/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 06 ( 19-20 ) (H220658-39)

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	02/25/2022	ND	2.10	105	2.00	1.92	
Toluene*	<0.050	0.050	02/25/2022	ND	2.07	104	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.04	102	2.00	2.76	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.29	105	6.00	2.91	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/24/2022	ND	400	100	400	3.92	
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	02/24/2022	ND	166	83.2	200	1.22	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	220	110	200	4.17	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	82.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	88.5	% 59.5-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/16/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 07 ( 0-1 ) (H220658-40)

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	02/25/2022	ND	2.10	105	2.00	1.92	
Toluene*	<0.050	0.050	02/25/2022	ND	2.07	104	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.04	102	2.00	2.76	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.29	105	6.00	2.91	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/24/2022	ND	400	100	400	3.92	
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	02/24/2022	ND	185	92.3	200	0.528	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	224	112	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	76.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	78.7	% 59.5-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/16/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 07 ( 2-3 ) (H220658-41)

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	02/25/2022	ND	2.10	105	2.00	1.92	
Toluene*	<0.050	0.050	02/25/2022	ND	2.07	104	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.04	102	2.00	2.76	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.29	105	6.00	2.91	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/24/2022	ND	400	100	400	3.92	
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	02/24/2022	ND	185	92.3	200	0.528	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	224	112	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	71.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	73.7	% 59.5-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/16/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 07 ( 4-5 ) (H220658-42)

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	02/25/2022	ND	2.10	105	2.00	1.92	
Toluene*	<0.050	0.050	02/25/2022	ND	2.07	104	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.04	102	2.00	2.76	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.29	105	6.00	2.91	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/24/2022	ND	400	100	400	3.92	
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	02/24/2022	ND	185	92.3	200	0.528	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	224	112	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	89.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	92.9	% 59.5-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/16/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 08 ( 0-1 ) (H220658-43)

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	02/25/2022	ND	2.10	105	2.00	1.92	
Toluene*	<0.050	0.050	02/25/2022	ND	2.07	104	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.04	102	2.00	2.76	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.29	105	6.00	2.91	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	02/24/2022	ND	400	100	400	3.92	
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	02/24/2022	ND	185	92.3	200	0.528	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	224	112	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	74.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	78.1	% 59.5-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/16/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 09 ( 0-1 ) (H220658-48)

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	02/25/2022	ND	2.10	105	2.00	1.92	
Toluene*	<0.050	0.050	02/25/2022	ND	2.07	104	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.04	102	2.00	2.76	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.29	105	6.00	2.91	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/24/2022	ND	400	100	400	3.92	
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	02/24/2022	ND	185	92.3	200	0.528	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	224	112	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	70.9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	70.0	% 59.5-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/17/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 10 ( 0-1 ) (H220658-53)

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	02/25/2022	ND	2.10	105	2.00	1.92	
Toluene*	0.064	0.050	02/25/2022	ND	2.07	104	2.00	1.97	
Ethylbenzene*	0.215	0.050	02/25/2022	ND	2.04	102	2.00	2.76	
Total Xylenes*	0.442	0.150	02/25/2022	ND	6.29	105	6.00	2.91	
Total BTEX	0.720	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	10						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/24/2022	ND	400	100	400	3.92	
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*	12.6	10.0	02/24/2022	ND	185	92.3	200	0.528	
DRO >C10-C28*	16.7	10.0	02/24/2022	ND	224	112	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	84.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	83.3	% 59.5-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/17/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 11 ( 0-1 ) (H220658-54)

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	02/25/2022	ND	2.10	105	2.00	1.92	
Toluene*	0.085	0.050	02/25/2022	ND	2.07	104	2.00	1.97	
Ethylbenzene*	0.198	0.050	02/25/2022	ND	2.04	102	2.00	2.76	
Total Xylenes*	0.414	0.150	02/25/2022	ND	6.29	105	6.00	2.91	
Total BTEX	0.697	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 69.9-14	10						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/24/2022	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	02/24/2022	ND	185	92.3	200	0.528	
DRO >C10-C28*	11.6	10.0	02/24/2022	ND	224	112	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	85.5	% 66.9-13	6						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/17/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 12 ( 0-1 ) (H220658-55)

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	02/25/2022	ND	2.10	105	2.00	1.92	
Toluene*	0.059	0.050	02/25/2022	ND	2.07	104	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.04	102	2.00	2.76	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.29	105	6.00	2.91	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/24/2022	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	02/24/2022	ND	185	92.3	200	0.528	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	224	112	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	86.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	88.6	% 59.5-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/17/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 13 ( 0-1 ) (H220658-56)

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	02/25/2022	ND	2.10	105	2.00	1.92	
Toluene*	0.058	0.050	02/25/2022	ND	2.07	104	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.04	102	2.00	2.76	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.29	105	6.00	2.91	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/24/2022	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	02/24/2022	ND	185	92.3	200	0.528	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	224	112	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	84.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	89.8	% 59.5-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/17/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 14 ( 0-1 ) (H220658-57)

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	02/25/2022	ND	2.10	105	2.00	1.92	
Toluene*	<0.050	0.050	02/25/2022	ND	2.07	104	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.04	102	2.00	2.76	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.29	105	6.00	2.91	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
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	02/24/2022	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	02/24/2022	ND	185	92.3	200	0.528	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	224	112	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	80.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	84.4	% 59.5-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/17/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 15 ( 0-1 ) (H220658-58)

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	02/25/2022	ND	2.10	105	2.00	1.92	
Toluene*	0.050	0.050	02/25/2022	ND	2.07	104	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.04	102	2.00	2.76	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.29	105	6.00	2.91	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/24/2022	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	02/24/2022	ND	185	92.3	200	0.528	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	224	112	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	76.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	79.4	% 59.5-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/21/2022	Sampling Date:	02/16/2022
Reported:	02/26/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

### Sample ID: BH - 22 - 16 ( 0-1 ) (H220658-59)

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	02/25/2022	ND	2.10	105	2.00	1.92	
Toluene*	<0.050	0.050	02/25/2022	ND	2.07	104	2.00	1.97	
Ethylbenzene*	<0.050	0.050	02/25/2022	ND	2.04	102	2.00	2.76	
Total Xylenes*	<0.150	0.150	02/25/2022	ND	6.29	105	6.00	2.91	
Total BTEX	<0.300	0.300	02/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/24/2022	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	02/24/2022	ND	185	92.3	200	0.528	
DRO >C10-C28*	<10.0	10.0	02/24/2022	ND	224	112	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	02/24/2022	ND					
Surrogate: 1-Chlorooctane	75.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	78.2	% 59.5-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

## 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476	476				Page O of 07	カイ
Company Name: ConocoPhillips		BILL TO	9		ANALVEIC DECLIFET	
Project Manager: Christian Llull		P.O. #:				1
Address: christian.llull@tetratech.com		Company: Tetra Tech	5			
City: State:	Zip:	Attn: Christian Llull				
Phone #: (512) 338-1667 Fax #: NA		Address: by email				
Project #: 212C-MD-02499 Project Owner:	er:	City:				
Project Name: EVGSAU 3440-02 Flowline Release		State: Zip:				
Project Location: Lea County, New Mexico		ŧ				
Sampler Name: Joe Tyler		Fay #				
FOR LAB USE ONLY		ΓdX #.				
	RS	PRESERV.	SAMPLING			
Lab I.D. Sample I.D.	(G)RAB OR (C) # CONTAINER GROUNDWATI WASTEWATER SOIL	OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE	TPH	BTEX Chlorides	Hold	
1 BH-22-01 (2-3)	×		×			t
2 (4-5)				_		
4 (01-6)						
S (IH-15)						
(06-19)						
7 (24-25)						
C - (29-30)		*				
7 84-22-02 (2-3)		CC-11-C				
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim aris	any daim arising whether based in	V V		Y Y		
san/yess. All claims including those for negligence and any other cause whatsoever shall be deened waived unless made in writing and received by Cardinal whith 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business informations loss of use or loss of works.	deemed waived unless made in wr without limitation, business intern	where used in contract of tort, shall be limited to the amount paid by the client for the ed unless made in writing and received by Cardinal writin 30 days after completion of the a ation, business interruptions loss of use or loss of mode, increasing the second business interruptions.	paid by the client for the applicable			
animates or successors arising out of or related to the performance of services hereunder by Ca Relinquished By:	ardinal, regardless of whether suc	final, regardless of whether such claim is based upon any of the above stated				
e	Vecence by:	whether 14	Phone Results:  Fax Results: Email Results to:	Yes I No Yes I No	Add'l Phone #: Add'l Fax #:	
	Received By:	K MARK M	Christian	an (PM)		
: (Circle One) / 6 . (	Se Sample Condition Cool Intact	сн				
Sampler - UPS - Bus - Other:	~ @	Initials)				
† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326	fax written changes	s to (575) 393-2326				L

### Received by OCD: 4/12/2022 2:04:57 PM

**ARDINAL** aboratories

Page 53 of 59

### 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 02 of 07

Company Name: ConocoPhillips	ConocoPhillips							BILL	10											Г
Project Manager: Christian Llull	: Christian Llull					P.O.	0. #						4	-13	ANALISIS		-			1
Address: christia	Address: christian.llull@tetratech.com					0	Company: Tetra Tech	/: Tetra	Tech											
City:		State:	Zip:			At	Attn: Christian Llull	istian L	lull						_					
Phone #: (512) 338-1667		Fax #: NA				Ac	Address: by email	by em	ail							_				
Project #: 212C-MD-02499		Project Owner:	a			City:	¥:	-												
Project Name: EV	Project Name: EVGSAU 3440-02 Flowline Release	e Release				St	State:	Zip:												
Project Location:	Project Location: Lea County, New Mexico	6				P	Phone #:													
Sampler Name: Joe Tyler	oe Tyler					Ţ	×#													
FOR LAB USE ONLY				1		L	Fax #:	1							-					
			-	R	MAIKIA		PRESERV		SAMPLING	NG										
Lab I.D.	Sample I.D.	.º	AB OR (C)C					R :					orides							
X2012X				GROU	SOIL OIL	SLUDG	ACID/B	OTHER	DATE	TIME	TPH	BTEX	Chlor	Hold	Tiold					
11	BH-22-02	(6-7)	G 01		×			9	tt-91-6		×	×	×	+	+	1		$\downarrow$	$\downarrow$	
2		(9-10)			-		-					-	~							
	-	(14-10)5)						-												
71	BII 10-12	(06- HI)							<											
16		12-41						0-1	66-21-5					+	+					
17		6-7)					_					-		-						
8/		(9-10)					_					-	-							
2	6	14-15)												-						
PLEASE NOTE: Liability and Da	amages. Cardinal's liability and client's	19-30) evolusive remarks for an	V V		4	L	4				<	4	6	_						
analyses. All claims including th service. In no event shall Cardin	analyses. All claims including those for negligence and any other course version you any camarising whether based in contract or fort, shall be limited to the amount paid by the client for the service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use or loss of profits incrured to client for the applicable service.	e whatsoever shall be d ntal damages, including	eemed waivo without limita	ing whether b id unless ma tion, busines	ide in writing	and receive	shall be lim ed by Cardir ise, or loss	ited to the a nal within 3 of profits in	amount paid 0 days after of	by the client for the a completion of the a	pplicable									
Relinquished By:	linquished By:	services hereunder by Cardinal, regardless of whether such claim is based upon any of the Date:	Receiv	dinal, regardless of whe Received By:	ther such cla	iim is based	upon any c	of the above	e stated reas	sons or otherwise.	He. □			A 11						
X	Al -	Time: /235			1400	1		A		Fax Results: Email Results to:		Yes	No No	Add	Add'l Fax #:					
Kelinquisned By:		Date: Time:	Received By:	ed By:	-	5				Md	5									
Sampler - UPS - Bus - Other	(Circle One) 1.60	D C-0.	Seo	Sam	Sample Condition	lition	CHE(	CHECKED BY: (Initials)	SY:											
+ Coulina -		1.10 1	HIC			No	4													
† Cardinal can	Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326	inges. Please	fax writ	ten cha	inges t	0 (575)	393-23	26												

Released to Imaging: 5/17/2022 4:32:39 PM



**CARDINAL** Laboratories

### Received by OCD: 4/12/2022 2:04:57 PM

Company Name: ConocoPhillips Project Manager: Christian Llull Address: christian.llull@tetratech.com	onocoPhillips Shristian Llull Iull@tetratech.com		P.O. #: Company: Tetra Tech			ANALYSIS
City:	State:	Zip:	Attn: Christian Llull			_
Phone #: (512) 338-1667	-1667 Fax #: NA		Address: by email			
Project #: 212C-MD-02499	-02499 Project Owner:	ner:	City:			
Project Name: EVG	Project Name: EVGSAU 3440-02 Flowline Release		State: Zip:			
Project Location: L	Project Location: Lea County, New Mexico		Phone #:			
Sampler Name: Joe Tyler	Tyler		Eav #			
FOR LAB USE ONLY	Tyler	MATRIX	1			
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	NG		
Lab I.D. H220658	Sample I.[	<ul> <li>G)RAB OR (C)OMP</li> <li># CONTAINERS</li> <li>GROUNDWATER</li> <li>WASTEWATER</li> <li>SOIL</li> <li>OIL</li> <li>SLUDGE</li> </ul>	OTHER : ACID/BASE: ICE / COOL OTHER : DATE	TPH	BTEX	BTEX Chlorides
21	-SH 38 04 (0-1)	S I X	×	×	*	× ×
re re	(2-5)				-	-
he	(1-2)					
Se	(01-10)		<			
26	BH-27-05 (6-1)		2-16-22			
10	(2-3)					
200	(4-5)					
30 FASE NOTE: Lishib and Date	(9-10)		4	<	4	<
analyses. All claims including those service. In no event shall Cardinal t	ents exclusive rer cause whatsoever quental damages.	r any claim arising whether based in contract e deemed waived unless made in writing and ing without limitation, business interruptions. Ic	or tort, shall be limited to the amount paid received by Cardinal within 30 days after oss of use or loss of profile incurred by of	by the client for the completion of the applica	ble	ble
affiliates or successors arising out of or related to the performance Relinguished By:	f or related to the performance of services hereunder by Car	ner by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	regardless of whether such claim is based upon any of the above stated rea	ient, its subsidiaries, sons or otherwise.		
for	Time: 235	Cleven by.	Malle	Phone Results: Fax Results: Email Results to:		□ Yes □ No □ Yes □ No
Relinquished By:	Date: Time:	Received By:	the second	NG	7	7
Delivered By: (Circle One) Sampler - UPS - Bus - Other	(Circle One)	O.S.C. Sample Condition Cool Infract HIV Pres Pres	ON CHECKED BY: (Initials)			

Page 109 of 210

**ARDINAL** aboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Received by OCD: 4/12/2022 2:04:57 PM

Project Manager: Christian Llull         Address: christian.llull@tetratech.com         City:       State:         Zip:         Phone #: (512) 338-1667       Fax #: NA         Project #: 212C-MD-02499       Project Owner:         Project #: 212C-MD-02499       Project Owner:         Project Location: Lea County, New Mexico       Sampler Name: Joe Tyler	Zip: Company Zip: Attn: Chri Address: City: State: Fax #: Fax #:	P.O. #: P.O. #: Company: Tetra Zip: Attn: Christian L Address: by em City: City: State: Zip Phone #: Fax #:	P.O. #: P.O. #: Company: Tetra Zip: Attn: Christian L Address: by em City: City: State: Zip Phone #: Fax #:	BILL       P.O. #:       P.O. #:       Company: Tetra       Zip:       Attn: Christian L       Address: by em       City:       City:       State:     Zip       Phone #:       Fax #:	BILL TO       P.O. #:       P.O. #:       Company: Tetra Tech       Zip:       Attn: Christian Llull       Address: by email       Wner:       City:       State:       Zip:       Phone #:       Fax #:	BILL TO       P.O. #:       P.O. #:       Company: Tetra Tech       Zip:       Attn: Christian Llull       Address: by email       Wrner:       City:       State:       Zip:       Phone #:       Fax #:	BILL TO     ANALYSIS       P.O. #:     P.O. manuparticity:       Zip:     Company: Tetra Tech       Address: by email     Address: by email       Wmer:     City:       State:     Zip:       Phone #:     Fax #:	BILL TO       P.O. #:       Company: Tetra Tech       Zip:       Attn: Christian Llull       A       Address: by email       Winer:       City:       State:       Zip:       Phone #:       Fax #:
# CONTAINERS GROUNDWATER WASTEWATER	NTAINERS JNDWATER FEWATER GE IR : BASE: COOL	DNTAINERS DUNDWATER STEWATER DGGE ER : MATRIX BASE: PRESE COOL PRESE	ONTAINERS OUNDWATER STEWATER L MATRIX MATRIX Fax #: COUL IER : COU	NTAINERS UNDWATER TEWATER ATRIX PRESERV: BAASE: COOL Fax #: BAASE: COOL Fax #: BAASE: COOL Fax #: Fa	DINTAINERS DUNDWATER DOGE ER: DGE ER: DGE ER: DGE ER: DGE ER: DGE Fax #: Fax #: DGE ER: DGE ER	CONTAINERS ROUNDWATER ASTEWATER DIL L UDGE HER: PRESERV SAMPLING PH TEX Hlorides	# CONTAINERS     GROUNDWATER     Provide     Prov	# CONTAINERS       GROUNDWATER       WASTEWATER       SOIL       DIL       SOIL       DIL       SUDGE       DTHER :       Phone       Fax #:       Fax #:
	GE P.O. # Company R: Pione # Prese City: Company BASE: Phone # Phone # Prese P	DGE ER : P.O. # PBASE: Phone # //BASE: Zi COOL ER : Zi	BILL TO       P.O. #:       Company: Tetra Tech       Attn: Christian Llull       Address: by email       City:       State:       D/BASE:       Phone #:       PRESERV.       SAMPLING	BILL TO       P.O. #:       P.O. #:       Company: Tetra Tech       Attn: Christian Llull       Address: by email       City:       Phone #:       PRESERV       SampLing	DGE ER: Phone #: //BASE: Phone #: //BASE: Zip: Zip: ER: Zip: Address: by email PRESERV. SAMPLING H EX	UDGE HER: HER: D/BASE: Phone #: PRESERV, SAMPLING PH TEX hlorides	BILL TO     ANALYSIS       DTHER :     PRESERV.       ACID/BASE:     Company: Tetra Tech       CE / COOL     PRESERV.       DTHER :     Zip:       Phone #:     Zip:       DTHER :     Zip:       DTHER :     Zip:       DTHER :     Zip:       DTHER :     Zip:       PRESERV.     SAMPLING       DATE     TPH       BTEX     Chlorides       Hold     Image: State	BILL TO     ANALYSIS       DTHER :     Company: Tetra Tech       Attn: Christian Llull     Address: by email       Address: by email     Attn: Christian Llull       Address: by email     City:       DTHER :     Zip:       PRESERV:     SampLing       DTHER :     TPH       BTEX     Chlorides

aboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

## 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Page 05 of 07

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: ConocoPhillips	ConocoPhillips		BILL TO				12:124	
Project Manager: Christian Llull	Christian Llull		P.O. #:		-			
Address: christian.llull@tetratech.com	llull@tetratech.com		Company: Tetra Tech					
City:	State:	Zip:	Attn: Christian Llull		_			
Phone #: (512) 338-1667	-1667 Fax #: NA		Address: by email					
Project #: 212C-MD-02499	D-02499 Project Owner:		City:					_
Project Name: EVC	Project Name: EVGSAU 3440-02 Flowline Release		State: Zip:					
Project Location: L	Project Location: Lea County, New Mexico		#					
Sampler Name: Joe Tyler	e Tyler		Fax #:					
FOR LAB USE ONLY		MATRIX	ESERV	ฉิ				
ł		R	TACSERV. SAMPLING	G				
Lab I.D.	Sample I.D.	G)RAB OR (C)O CONTAINERS ROUNDWATER /ASTEWATER OIL IL LUDGE	THER : CID/BASE: EE / COOL THER :	PH	BTEX	lold		
41	BH-27-00 (2-3)	X III	XI	×				T
24	4 (45)		1 1	×	-			
	(1-0) 80-CC-H3		2-16-22	×	XX			
	(2-5)					★.		
Ef	(4-5)					×		
1)	(6-7)					×		
11	s K		4			×		
40	BH-34-04 (0-1)		2-16-22	×	XX			
5	(2-3)					×		
PLEASE NOTE: Liability and Dam	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort shall be limited to the amount and but the start or diverse of the second but the start of the second but the sec	Claim arising whether based in contract or	tort shall be limited to the amount shall be			×		
analyses. All claims including those for negligence and any c service. In no event shall Cardinal be liable for incidental or c affiliates or successors arising out of or related to the perform Relinquished Ray.	analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in witing and neceived by Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affinites or successors arising out of or related to the performance of services hereunder by Cardinal be, and the performance of services hereunder by Cardinal be above stated reasons or otherwise.	use whatsoever shall be deemed wiver universe users in contract or tort, shall be but rental damages, including without limitation, business interruptions, loss of use, or los services hereunder by Cardinal, regardless of whether such claim is based upon any	court, snall be limited to the amount paid by ceived by Cardinal within 30 days after co s of use, or loss of profits incurred by clien ased upon any of the above stated reasor	nount paid by the client for the days after completion of the applicable urred by client, its subsidiaries, stated reasons or otherwise.				
the I	231-22	Received By:		Phone Results:	Yes I No	Add'l Phone #: Add'l Fax #:		
Relinquished By:	Date:	Received By:	MARY MC E	s to:	1			
	Time:							
Delivered By: (Circle One)	1.60 1	3	유					
Sampler - UPS - Bu		#//2 Pres Pres	(Initials)					

Released to Imaging: 5/17/2022 4:32:39 PM

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

IN I ON

Laboratories

## 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

## Page 06 of 07

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

										0000	
Company Name: ConocoPhillips	onocoPhillips		BILL TO				ANAI YSIS		RECHEST		
Project Manager: Christian Llull	Christian Llull		P.O. #:	_	-						
Address: christian.llull@tetratech.com	lull@tetratech.com		Company: Tetra Tech								
City:	State:	Zip:	Attn: Christian Llull					_			
Phone #: (512) 338-1667	-1667 Fax #: NA		Address: by email				_				
Project #: 212C-MD-02499	0-02499 Project Owner:		City:			_					
Project Name: EVC	Project Name: EVGSAU 3440-02 Flowline Release		State: Zip:								
Project Location: L	Project Location: Lea County, New Mexico		Phone #:								
Sampler Name: In	Tulor				-		_	-			
Sampler Name: Joe Tyler	3 Tyler		Fax #:		_		_		_		
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING		-						
		ERS ATER									
Lab I.D.	Sample I.D.	B)RAB OR ( CONTAINE ROUNDWA ASTEWATE DIL IL .UDGE		РН	TEX	hlorides	old				
T2	(F-2) PO-CC-HA	X	XI		t	ļ			$\left  \right $	t	
5	(01-b)		PL 01 P				< >	NA	SAN	2	10
S	BH-22-10 (0-1)		2-17-37	×	<	<	>	1 4 0		012	o yala
hS	BH-22-11 (0-1)			×	<	× ;					
ŝ	BH-22-12 (0-1)			×	×	X			_		
as as	BH-22-13 (0-1)			×	Χ.	×			_		
5.1	BH-22-14 (0-1)			×	×	×					
50	BH-22-15 (0-1)		*	×	5	K					
5	BH-22-16 (0-1)		2-16-22	X	×	×					
PLEASE NOTE: Liability and Damages	ane Cardinale linklike and diset		A T				×		_		
analyses. All claims including thos service. In no event shall Cardinal	analyses. All datas found unit variages, variants is abuily and clients exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the service. In no event shall Cardinal be liable for incidential or consequentia damages, including without limitation whether the service. In no event shall Cardinal within 30 days after completion of the applicable	ny claim arising whether based in contract or to leerned waived unless made in writing and rec without limitation business internations from	ort, shall be limited to the amount paid by the reived by Cardinal within 30 days after comp	e client for the letion of the applic	able			ł	+	İ	
Relinguished By:	sing out of or related to the performance of services hereunder by C 3V: Date:	under by Cardinal, regardless of whether such claim is ba	based upon any of the above stated reasons of	ons or otherwise.							
See The	Time: -	Necessed By.	Pho Pho	Phone Results: Fax Results:	□ Yes	S I NO	Add'l Phone #: Add'l Fax #:	one #: ( #:			
Relinquished By:	Date:	Received By:	101 M Em	Email Results to:	ÿ						
	Time:	neceived by.		PM							
Delivered By: (Circle One)	162 0.0.	Se Sample Condition	CHECKED BY:								
Sampler - UPS - Bu	612	N	(Initials)								
† Cardinal cann	of accept verbal changes. Please	fax written changes to (57)	5) 393-2326								
	010-7/7/22 University of the 10 of t	7.1/22	0202-600								

aboratories

#### Received by OCD: 4/12/2022 2:04:57 PM

101 East Marland, Hobbs, NM 88240			
Company Name: ConocoPhillips	BILL TO	7090	
Project Manager: Christian Llull	P.O. #		
Address: christian.llull@tetratech.com	Company: Tetra Tech	_	
City: State: Zip:	Attn: Christian Llull		
Phone #: (512) 338-1667 Fax #: NA	Address: by email	_	
Project #: 212C-MD-02499 Project Owner:	City:		
Project Name: EVGSAU 3440-02 Flowline Release	State: Zin:		
Project Location: Lea County, New Mexico	#		
Sampler Name: Ine Tulor		_	
a: Joe Tyler	Fax #:		
MATRIX	X PRESERV. SAMPLING		
Lab I.D. Sample I.D. S OR (C)OMP. TAINERS NDWATER	: ASE: DOL :	des	
# CON GROUI	SLUDG OTHER ACID/B. ICE / CO OTHER DATE	TPH BTEX Chlori	Hold
G BH-22-16 (4-5) G 01 X	CC-91-C X		×
analyses. And data including those for negligence and any other cause whatsoever shall be determed with any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the service. In no event shall Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation business intermations to exist.	tract or tort, shall be limited to the amount paid by the client for the rand received by Cardinal within 30 days after completion of the a	e applicable	
Relinquished By: Date: A Cardinal, regardless of whether such claim is base	aim is based upon any of the above stated reasons or otherwise.		L
George Date:	Phone Results: Fax Results to: MM	□ Yes □	No Add'I Phone #: No Add'I Fax #:
Sampler - UPS - Bus - Other:	CHECKED BY: (Initials)		
Cardinal cannot accent verbal chances Discon for the line of the line line of the line of the line of the line of the line line line	No ¥ ( .		
I Caruinal cannot accept verbal changes. Please fax written changes to (575) 393-2326	0 (575) 393-2326		

#### Page 113 of 210

**CARDINAL** Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 59 of 59

#### Released to Imaging: 5/17/2022 4:32:39 PM



March 02, 2022

CHRISTIAN LLULL TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: EVGSAU 3440-02 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 02/21/22 12:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project Number: 2 Project Manager: (	EVGSAU 3440-02 FLOWLINE RELE/ 212C - MD - 02499 CHRISTIAN LLULL (432) 682-3946	Reported: 02-Mar-22 16:15
---	---	---	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH - 22 - 01 ( 2-3 )	H220658-01	Soil	17-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 01 ( 4-5 )	H220658-02	Soil	17-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 01 ( 6-7 )	H220658-03	Soil	17-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 01 ( 9-10 )	H220658-04	Soil	17-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 01 ( 14-15 )	H220658-05	Soil	17-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 01 ( 19-20 )	H220658-06	Soil	17-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 01 ( 24-25 )	H220658-07	Soil	17-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 01 ( 29-30 )	H220658-08	Soil	17-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 02 ( 2-3 )	H220658-09	Soil	16-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 02 ( 4-5 )	H220658-10	Soil	16-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 02 ( 6-7 )	H220658-11	Soil	16-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 02 ( 9-10 )	H220658-12	Soil	16-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 02 ( 14-15 )	H220658-13	Soil	16-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 02 ( 19-20 )	H220658-14	Soil	16-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 03 ( 2-3 )	H220658-15	Soil	17-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 03 ( 4-5 )	H220658-16	Soil	17-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 03 ( 6-7 )	H220658-17	Soil	17-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 03 ( 9-10 )	H220658-18	Soil	17-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 03 ( 14-15 )	H220658-19	Soil	17-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 03 ( 19-20 )	H220658-20	Soil	17-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 04 ( 2-3 )	H220658-22	Soil	17-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 04 ( 4-5 )	H220658-23	Soil	17-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 04 ( 6-7 )	H220658-24	Soil	17-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 04 ( 9-10 )	H220658-25	Soil	17-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 05 ( 0-1 )	H220658-26	Soil	16-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 05 ( 2-3 )	H220658-27	Soil	16-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 05 ( 4-5 )	H220658-28	Soil	16-Feb-22 00:00	21-Feb-22 12:35

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

#### Analytical Results For:

BH - 22 - 05 ( 6-7 )       H22058-29       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 05 ( 14-15 )       H22058-31       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 05 ( 19-20 )       H22058-32       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 06 ( 0-1 )       H22058-33       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 06 ( 2-3 )       H22058-35       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 06 ( 4-5 )       H22058-35       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 06 ( 4-5 )       H22058-35       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 06 ( 4-5 )       H22058-37       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 06 ( 9-10 )       H22058-39       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 07 ( 0-1 )       H22058-41       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 07 ( 0-1 )       H22058-43       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 07 ( 0-1 )       H22058-41       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 07 ( 0-1 )       H22058-44       Soil<	TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701		Project Number: Project Manager:	EVGSAU 3440-02 FLOWLINE RELE/ 212C - MD - 02499 CHRISTIAN LLULL (432) 682-3946	Reported: 02-Mar-22 16:15
Bit 22 05 (1910)       H20658 1       Soil       16-Feb-22 0000       21-Feb-22 12:35         BH - 22 05 (19-20)       H220658-32       Soil       16-Feb-22 0000       21-Feb-22 12:35         BH - 22 06 (0-1)       H220658-33       Soil       16-Feb-22 0000       21-Feb-22 12:35         BH - 22 06 (0-1)       H220658-33       Soil       16-Feb-22 0000       21-Feb-22 12:35         BH - 22 06 (0-1)       H220658-34       Soil       16-Feb-22 0000       21-Feb-22 12:35         BH - 22 06 (0-1)       H220658-35       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 06 (0-7)       H220658-37       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 06 (19-0)       H220658-37       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 06 (19-20)       H220658-38       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 07 (0-1)       H220658-41       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 07 (0-5)       H220658-43       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 07 (0-5)       H220658-44       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 08 (0-1)       H220658-45       Soil       16-Feb-22 00:00	BH - 22 - 05 ( 6-7 )	H220658-29	Soil	16-Feb-22 00:00	21-Feb-22 12:35
Bit 22 05 (19-20)       H220658-32       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 06 (0-1)       H220658-33       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 06 (2-3)       H220658-33       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 06 (4-5)       H220658-35       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 06 (4-5)       H220658-35       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 06 (4-5)       H220658-36       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 06 (4-5)       H220658-37       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 06 (19-20)       H220658-38       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 07 (0-1)       H220658-40       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 07 (2-3)       H220658-41       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 08 (0-1)       H220658-43       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 08 (0-1)       H220658-44       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 08 (4-5)       H220658-45       Soil       16-Feb-22 00:00       21-Feb-22 12:35 <td>BH - 22 - 05 ( 9-10 )</td> <td>H220658-30</td> <td>Soil</td> <td>16-Feb-22 00:00</td> <td>21-Feb-22 12:35</td>	BH - 22 - 05 ( 9-10 )	H220658-30	Soil	16-Feb-22 00:00	21-Feb-22 12:35
Bit 22 06 (0.1)       H22058-33       Soil       16-Feb-22 0000       21-Feb-22 12:35         BH 22 06 (2-3)       H22058-34       Soil       16-Feb-22 0000       21-Feb-22 12:35         BH 22 06 (4-5)       H22058-35       Soil       16-Feb-22 0000       21-Feb-22 12:35         BH 22 06 (4-5)       H22058-35       Soil       16-Feb-22 0000       21-Feb-22 12:35         BH 22 06 (4-7)       H22058-36       Soil       16-Feb-22 0000       21-Feb-22 12:35         BH 22 06 (19-10)       H22058-37       Soil       16-Feb-22 0000       21-Feb-22 12:35         BH 22 06 (14-15)       H22058-38       Soil       16-Feb-22 0000       21-Feb-22 12:35         BH 22 07 (0-1)       H22058-39       Soil       16-Feb-22 0000       21-Feb-22 12:35         BH 22 07 (2-3)       H22058-41       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 07 (4-5)       H22058-43       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 07 (4-5)       H22058-44       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 08 (0-1)       H22058-44       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 08 (4-5)       H22058-45       Soil       16-Feb-22 00:00       21-Feb-22 12:35	BH - 22 - 05 ( 14-15 )	H220658-31	Soil	16-Feb-22 00:00	21-Feb-22 12:35
Bill 22 100 (101)       H2005010       Bill 22 100 (101)       H2005010       211-Feb-22 12:35         BH 22 06 (2-3)       H22058-35       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 06 (4-5)       H22058-35       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 06 (9-10)       H22058-37       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 06 (14-15)       H22058-38       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 06 (19-20)       H22058-39       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 07 (0-1)       H22058-40       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 07 (2-3)       H22058-41       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 07 (4-5)       H22058-42       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 07 (4-5)       H22058-43       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 08 (0-1)       H22058-44       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 08 (4-5)       H220658-45       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 08 (4-5)       H220658-45       Soil       16-Feb-22 00:00       21-Feb-22 12:35	BH - 22 - 05 ( 19-20 )	H220658-32	Soil	16-Feb-22 00:00	21-Feb-22 12:35
BH 22 100 (23)       H22050 F.       H22050 F.       H22050 F.       H22050 F.       H22050 F.         BH 22 06 (45)       H22058 F.       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 06 (910)       H22058-36       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 06 (14-15)       H22058-37       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 06 (19-20)       H22058-38       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 07 (0-1)       H22058-39       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 07 (2-3)       H22058-41       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 07 (4-5)       H22058-42       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 0.00       21-Feb-22 12:35       BH 22 0.00       21-Feb-22 12:35       BH 22 0.00       21-Feb-22 12:35         BH 22 0.7 (4-5)       H22058-41       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 0.8 (0-1)       H22058-42       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 0.8 (4-5)       H22058-44       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 0.8 (4-5)       H22058-45       Soil       16-Feb-22	BH - 22 - 06 ( 0-1 )	H220658-33	Soil	16-Feb-22 00:00	21-Feb-22 12:35
Bit 22 00       (4-5)       H220658-36       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 06       (9-10)       H220658-37       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 06       (14-15)       H220658-37       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 06       (14-15)       H220658-38       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 06       (14-15)       H220658-39       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 07       (0-1)       H220658-40       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 07       (0-1)       H220658-41       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 07       (4-5)       H220658-42       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08       (0-1)       H220658-43       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08       (-57)       H220658-44       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08       (-67)       H220658-45       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08       (-67)       H220658-46	BH - 22 - 06 ( 2-3 )	H220658-34	Soil	16-Feb-22 00:00	21-Feb-22 12:35
Bit 22 - 06 ( 6+7 )       H220658-37       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 06 ( 14-15 )       H220658-38       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 06 ( 19-20 )       H220658-39       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 07 ( 0-1 )       H220658-40       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 07 ( 2-3 )       H220658-41       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 07 ( 4-5 )       H220658-42       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 07 ( 4-5 )       H220658-42       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08 ( 0-1 )       H220658-43       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08 ( 4-5 )       H220658-45       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08 ( 6-7 )       H220658-47       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 09 ( 0-1 )       H220658-53       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 10 ( 0-1 )       H220658-54       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 12 ( 0-1 )       H220658-55	BH - 22 - 06 ( 4-5 )	H220658-35	Soil	16-Feb-22 00:00	21-Feb-22 12:35
BH 22 00 (1910)       H220658-38       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH 22 - 06 (19-20)       H220658-39       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 07 (0-1)       H220658-40       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 07 (2-3)       H220658-41       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 07 (4-5)       H220658-42       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 07 (4-5)       H220658-43       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08 (0-1)       H220658-43       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08 (4-5)       H220658-44       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08 (6-7)       H220658-45       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08 (9-10)       H220658-47       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 10 (0-1)       H220658-53       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 10 (0-1)       H220658-54       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 10 (0-1)       H220658-55       Soil       17-Fe	BH - 22 - 06 ( 6-7 )	H220658-36	Soil	16-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 06       (1+1)       H220658-39       Soli       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 07       (0-1)       H220658-40       Soli       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 07       (2-3)       H220658-41       Soli       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 07       (4-5)       H220658-42       Soli       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 07       (4-5)       H220658-42       Soli       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 07       (4-5)       H220658-43       Soli       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08       (0-1)       H220658-44       Soli       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08       (4-5)       H220658-45       Soli       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08       (6-7)       H220658-47       Soli       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 09       (0-1)       H220658-48       Soli       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 10       (0-1)       H220658-53       Soli       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 12       (0-1)       H220658-54       Soli	BH - 22 - 06 ( 9-10 )	H220658-37	Soil	16-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 00       (19-20)       H220658-40       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 07       (2-3)       H220658-41       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 07       (4-5)       H220658-42       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 07       (4-5)       H220658-43       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08       (0-1)       H220658-44       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08       (2-3)       H220658-45       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08       (4-5)       H220658-45       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08       (6-7)       H220658-47       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08       (6-7)       H220658-48       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 09       (0-1)       H220658-54       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 11       (0-1)       H220658-55       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 13       (0-1)       H220658-56       So	BH - 22 - 06 ( 14-15 )	H220658-38	Soil	16-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 07 ( 2-3 )       H220658-41       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 07 ( 4-5 )       H220658-42       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08 ( 0-1 )       H220658-43       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08 ( 2-3 )       H220658-44       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08 ( 2-3 )       H220658-45       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08 ( 4-5 )       H220658-45       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08 ( 4-5 )       H220658-46       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08 ( 9-10 )       H220658-47       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 09 ( 0-1 )       H220658-48       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 10 ( 0-1 )       H220658-53       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 12 ( 0-1 )       H220658-55       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 13 ( 0-1 )       H220658-56       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 13 ( 0-1 )       H220658-57	BH - 22 - 06 ( 19-20 )	H220658-39	Soil	16-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 07 (4-5)       H220658-42       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08 (0-1)       H220658-43       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08 (2-3)       H220658-44       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08 (4-5)       H220658-44       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08 (6-7)       H220658-45       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08 (6-7)       H220658-46       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08 (6-7)       H220658-47       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08 (9-10)       H220658-47       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 09 (0-1)       H220658-48       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 10 (0-1)       H220658-53       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 12 (0-1)       H220658-54       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 13 (0-1)       H220658-55       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 14 (0-1)       H220658-57       Soil       17	BH - 22 - 07 ( 0-1 )	H220658-40	Soil	16-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 07 (1 + 5 )       H220658 + 43       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08 (2-3)       H220658 + 44       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08 (4-5)       H220658 + 45       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08 (6-7)       H220658 + 45       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08 (6-7)       H220658 + 45       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08 (9-10)       H220658 + 47       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 09 (0-1)       H220658 + 48       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 10 (0-1)       H220658 - 53       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 11 (0-1)       H220658 - 55       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 12 (0-1)       H220658 - 55       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 13 (0-1)       H220658 - 55       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 14 (0-1)       H220658 - 57       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 15 (0-1)       H220658 - 58	BH - 22 - 07 ( 2-3 )	H220658-41	Soil	16-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 08       (2-3)       H220658-44       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08       (4-5)       H220658-45       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08       (6-7)       H220658-46       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08       (6-7)       H220658-46       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08       (9-10)       H220658-47       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 09       (0-1)       H220658-48       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 10       (0-1)       H220658-53       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 12       (0-1)       H220658-54       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 12       (0-1)       H220658-55       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 13       (0-1)       H220658-55       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 14       (0-1)       H220658-57       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 15       (0-1)       H220658-57       Soi	BH - 22 - 07 ( 4-5 )	H220658-42	Soil	16-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 08       ( 2-3 )       H220658-45       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08       ( 6-7 )       H220658-46       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 08       ( 9-10 )       H220658-47       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 09       ( 0-1 )       H220658-48       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 10       ( 0-1 )       H220658-53       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 12       ( 0-1 )       H220658-54       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 12       ( 0-1 )       H220658-55       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 12       ( 0-1 )       H220658-56       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 13       ( 0-1 )       H220658-56       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 14       ( 0-1 )       H220658-57       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 15       ( 0-1 )       H220658-58       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 15       ( 0-1 )       H2206	BH - 22 - 08 ( 0-1 )	H220658-43	Soil	16-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 08       (4-3)       H120050 H3       Oolin       H120051 H3       Dolin       H14001 H3       Dolin       Dolin </td <td>BH - 22 - 08 ( 2-3 )</td> <td>H220658-44</td> <td>Soil</td> <td>16-Feb-22 00:00</td> <td>21-Feb-22 12:35</td>	BH - 22 - 08 ( 2-3 )	H220658-44	Soil	16-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 08 (9-10)       H220658-47       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 09 (0-1)       H220658-48       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 10 (0-1)       H220658-53       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 11 (0-1)       H220658-54       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 12 (0-1)       H220658-55       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 13 (0-1)       H220658-56       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 14 (0-1)       H220658-57       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 15 (0-1)       H220658-58       Soil       17-Feb-22 00:00       21-Feb-22 12:35	BH - 22 - 08 ( 4-5 )	H220658-45	Soil	16-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 09 (0-1)       H220658-48       Soil       16-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 10 (0-1)       H220658-53       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 11 (0-1)       H220658-54       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 12 (0-1)       H220658-55       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 13 (0-1)       H220658-56       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 14 (0-1)       H220658-57       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 15 (0-1)       H220658-58       Soil       17-Feb-22 00:00       21-Feb-22 12:35	BH - 22 - 08 ( 6-7 )	H220658-46	Soil	16-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 10       (0-1)       H220658-53       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 11       (0-1)       H220658-54       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 12       (0-1)       H220658-55       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 12       (0-1)       H220658-55       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 13       (0-1)       H220658-56       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 14       (0-1)       H220658-57       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 15       (0-1)       H220658-58       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 15       (0-1)       H220658-58       Soil       17-Feb-22 00:00       21-Feb-22 12:35		H220658-47	Soil	16-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 10 (0-1)H220658-53Soil17-Feb-22 00:0021-Feb-22 12:35BH - 22 - 11 (0-1)H220658-54Soil17-Feb-22 00:0021-Feb-22 12:35BH - 22 - 12 (0-1)H220658-55Soil17-Feb-22 00:0021-Feb-22 12:35BH - 22 - 13 (0-1)H220658-56Soil17-Feb-22 00:0021-Feb-22 12:35BH - 22 - 14 (0-1)H220658-57Soil17-Feb-22 00:0021-Feb-22 12:35BH - 22 - 15 (0-1)H220658-58Soil17-Feb-22 00:0021-Feb-22 12:35	BH - 22 - 09 ( 0-1 )	H220658-48	Soil	16-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 11 (0-1)       H220658-54       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 12 (0-1)       H220658-55       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 13 (0-1)       H220658-56       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 14 (0-1)       H220658-57       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 15 (0-1)       H220658-58       Soil       17-Feb-22 00:00       21-Feb-22 12:35	BH - 22 - 10 ( 0-1 )	H220658-53	Soil	17-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 12 (0-1)       H220658-55       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 13 (0-1)       H220658-56       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 14 (0-1)       H220658-57       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 15 (0-1)       H220658-58       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 15 (0-1)       H220658-58       Soil       17-Feb-22 00:00       21-Feb-22 12:35		H220658-54	Soil	17-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 14 (0-1)       H220658-57       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 15 (0-1)       H220658-58       Soil       17-Feb-22 00:00       21-Feb-22 12:35		H220658-55	Soil	17-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 14 (0-1)       H220658-57       Soil       17-Feb-22 00:00       21-Feb-22 12:35         BH - 22 - 15 (0-1)       H220658-58       Soil       17-Feb-22 00:00       21-Feb-22 12:35	BH - 22 - 13 ( 0-1 )	H220658-56	Soil	17-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 15 (0-1)       H220658-58       Soil       17-Feb-22 00:00       21-Feb-22 12:35         H220658 - 50       Soil       16 Feb 22 00:00       21-Feb-22 12:35		H220658-57	Soil	17-Feb-22 00:00	21-Feb-22 12:35
		H220658-58	Soil	17-Feb-22 00:00	21-Feb-22 12:35
	BH - 22 - 16 ( 0-1 )	H220658-59	Soil	16-Feb-22 00:00	21-Feb-22 12:35

03/02/22 - Client added analysis to lab samples -44 thru -47. This is the revised report and will replace the one sent on 02/26/22.

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET , STE MIDLAND TX, 79701	E 100		Project Num Project Mana Fax	ber: 212 ger: CHF	RISTIAN LL 2) 682-394	2499 ULL	INE RELE#	C	Reported: )2-Mar-22 16: <sup>.</sup>	15
			H2200	658-01 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	4960		16.0	mg/kg	4	2022327	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			103 %	69.9	-140	2022323	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022308	MS	24-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022308	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022308	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			91.9 %	66.9	-136	2022308	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			97.7 %	59.5	-142	2022308	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	ber: 212 ger: CHF		2499 ULL	ine rele/	O	Reported: 2-Mar-22 16:	15
				- 01 (	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Labora	tories					
Inorganic Compounds										
Chloride	3360		16.0	mg/kg	4	2022327	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		103 %	69.9	-140	2022323	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022308	MS	24-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022308	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022308	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			98.4 %	66.9	-136	2022308	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			104 %	59.5	-142	2022308	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	ber: 212 ger: CHF		2499 ULL	ine relej	0	Reported: 2-Mar-22 16:	15
				- 01 ( 658-03 (Se	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	2200		16.0	mg/kg	4	2022327	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 80	)21								
Benzene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (PA	ID)		103 %	69.9	-140	2022323	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022308	MS	24-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022308	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022308	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			95.7 %	66.9	-136	2022308	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			101 %	59.5	-142	2022308	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	ber: 212 ger: CHR	C - MD - 02	ULL	INE RELE/	O	Reported: 2-Mar-22 16:	15
				- 01 ( 9 658-04 (So	,					
			H220	058-04 (50	)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	976		16.0	mg/kg	4	2022327	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (PL	ID)		103 %	69.9	-140	2022323	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022308	MS	24-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022308	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022308	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			91.2 %	66.9	-136	2022308	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			97.2 %	59.5	-142	2022308	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

٦



#### Analytical Results For:

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	ber: 212 ager: CHR	C - MD - 02	ULL	INE RELE/	0	Reported: 2-Mar-22 16:	15
			BH - 22		,					
			H220	658-05 (So	<b>DII</b> )					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	608		16.0	mg/kg	4	2022327	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compound	is by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (F	PID)		103 %	69.9	-140	2022323	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	y GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022320	MS	23-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022320	MS	23-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022320	MS	23-Feb-22	8015B	
Surrogate: 1-Chlorooctane			108 %	66.9	-136	2022320	MS	23-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			110 %	59.5	-142	2022320	MS	23-Feb-22	8015B	

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	D1 WEST WALL STREET , STE 100 Project Nu IDLAND TX, 79701 Project Ma						Project:EVGSAU 3440-02 FLOWLINE RELE/Reported:oject Number:212C - MD - 0249902-Mar-22 16:ject Manager:CHRISTIAN LLULLFax To:Fax To:(432) 682-3946						
			BH - 22 - H2200	· 01 ( 19 558-06 (Se									
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes			
			Cardina	l Laborat	ories								
<u>Inorganic Compounds</u> Chloride	1020		16.0	mg/kg	4	2022427	AC	24-Feb-22	4500-Cl-B	QM-07			
Volatile Organic Compounds	s by EPA Method 8	8021											
Benzene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B				
Toluene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B				
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B				
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022323	MS	25-Feb-22	8021B				
Total BTEX	< 0.300		0.300	mg/kg	50	2022323	MS	25-Feb-22	8021B				
Surrogate: 4-Bromofluorobenzene (Pl	D)		102 %	69.9	-140	2022323	MS	25-Feb-22	8021B				
Petroleum Hydrocarbons by	GC FID												
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022320	MS	23-Feb-22	8015B				
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022320	MS	23-Feb-22	8015B				
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022320	MS	23-Feb-22	8015B				
Surrogate: 1-Chlorooctane			106 %	66.9	-136	2022320	MS	23-Feb-22	8015B				
Surrogate: 1-Chlorooctadecane			108 %	59.5	-142	2022320	MS	23-Feb-22	8015B				

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	iber: 212 ager: CHF		2499 ULL	INE RELE/	O	Reported: 2-Mar-22 16:	15
			BH - 22 H220	- 01 (24 658-07 (So	,					
			11220	030-07 (30	)II)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	80.0		16.0	mg/kg	4	2022427	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 80	)21								
Benzene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	ID)		104 %	69.9	-140	2022323	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022320	MS	23-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022320	MS	23-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022320	MS	23-Feb-22	8015B	
Surrogate: 1-Chlorooctane			106 %	66.9	-136	2022320	MS	23-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			109 %	59.5	-142	2022320	MS	23-Feb-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

٦



#### Analytical Results For:

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	iber: 212 ager: CHR	C - MD - 02	ULL	INE RELE#	C	Reported: 02-Mar-22 16:	15
			BH - 22 -							
			H220	658-08 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	80.0		16.0	mg/kg	4	2022427	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (P	PID)		104 %	69.9	-140	2022323	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			104 %	66.9	-136	2022320	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			108 %	59.5	-142	2022320	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH 901 WEST WALL STREET , MIDLAND TX, 79701	STE 100		Project Num Project Mana	ber: 212 ger: CHF		2499 ULL	INE RELE/	0	Reported: 2-Mar-22 16:	15
				- 02 ( 558-09 (Se	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	1920		16.0	mg/kg	4	2022427	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	))		108 %	69.9	-140	2022323	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	11.3		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
DRO >C10-C28*	436		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	88.3		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			100 %	66.9	-136	2022320	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			119 %	59.5	-142	2022320	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	ber: 212 ger: CHF		2499 ULL	(NE RELE/	0	Reported: 2-Mar-22 16:	15
			BH - 22	- 02 (	4-5)					
			H220	658-10 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds Chloride	2200		16.0	mg/kg	4	2022427	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 802	21								
Benzene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022323	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (P	PID)		108 %	69.9	-140	2022323	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
DRO >C10-C28*	378		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	76.2		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			90.9 %	66.9	-136	2022320	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			105 %	59.5	-142	2022320	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET , MIDLAND TX, 79701	, STE 100		Project Num Project Mana	nber: 212 ager: CHF		2499 ULL	INE RELE/	0	Reported: 2-Mar-22 16:	15
				2 - 02 (( 658-11 (So	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	1810		16.0	mg/kg	4	2022427	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		111 %	69.9	-140	2022401	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	15.9		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
DRO >C10-C28*	661		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	136		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			107 %	66.9	-136	2022320	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			128 %	59.5	-142	2022320	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

#### Analytical Results For:

TETRA TECH 901 WEST WALL STREET , MIDLAND TX, 79701	STE 100		Project Num Project Mana	ber: 212 ger: CHF		2499 ULL	INE RELE/	0	Reported: 2-Mar-22 16:	15
			BH - 22 H2200	- 02 ( 9 558-12 (Se	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	2000		16.0	mg/kg	4	2022427	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	))		104 %	69.9	-140	2022401	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
DRO >C10-C28*	94.0		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	10.8		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			98.0 %	66.9	-136	2022320	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			103 %	59.5	-142	2022320	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	ber: 212 ger: CHF		(NE RELE/	Reported: 02-Mar-22 16:15			
			BH - 22 - H2200	02 ( 14 558-13 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	160		16.0	mg/kg	4	2022427	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		106 %	69.9	-140	2022401	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			92.2 %	66.9	-136	2022320	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			92.1 %	59.5	-142	2022320	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET , STI MIDLAND TX, 79701	E 100		Project Num Project Mana	ber: 212 ger: CHF		2499 ULL	INE RELE/	C	Reported: 02-Mar-22 16:	15
			BH - 22 - H2200	· 02 ( 19 658-14 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	176		16.0	mg/kg	4	2022427	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			105 %	69.9	-140	2022401	MS	25-Feb-22	8021B	
<b><u>Petroleum Hydrocarbons by GC</u></b>	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			90.2 %	66.9	-136	2022320	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			89.8 %	59.5	-142	2022320	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

#### Analytical Results For:

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	ber: 212 ger: CHF		Reported: 02-Mar-22 16:15				
				- 03 ( 2 658-15 (Se	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	3800		16.0	mg/kg	4	2022427	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		104 %	69.9	-140	2022401	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
DRO >C10-C28*	134		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	19.1		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			87.9 %	66.9	-136	2022320	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			93.1 %	59.5	-142	2022320	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Page 132 of 210

#### Analytical Results For:

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	ber: 212 ager: CHR	C - MD - 02	ULL	INE RELE/	Reported: 02-Mar-22 16:15		
				2 - 03 ( 4 658-16 (So	,					
			11220	000 10 (50	,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	352		16.0	mg/kg	4	2022427	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		104 %	69.9	-140	2022401	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			89.6 %	66.9	-136	2022320	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			87.7 %	59.5	-142	2022320	MS	24-Feb-22	8015B	

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	ber: 212 ger: CHF		INE RELE/	Reported: 02-Mar-22 16:15			
				- 03 () 658-17 (Se	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	1480		16.0	mg/kg	4	2022427	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		105 %	69.9	-140	2022401	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			97.8 %	66.9	-136	2022320	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			95.4 %	59.5	-142	2022320	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project: EVGSAU 3440-02 FLOWLINE RELE/ Project Number: 212C - MD - 02499 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946						Reported: 02-Mar-22 16:15			
			BH - 22 H2200	- 03 ( 9 558-18 (Se	,							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
			Cardina	l Laborat	tories							
Inorganic Compounds Chloride	1680		16.0	mg/kg	4	2022427	AC	24-Feb-22	4500-Cl-B			
Volatile Organic Compound		021		0.0								
Benzene*	< 0.050	-	0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B			
Toluene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B			
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B			
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022401	MS	25-Feb-22	8021B			
Total BTEX	< 0.300		0.300	mg/kg	50	2022401	MS	25-Feb-22	8021B			
Surrogate: 4-Bromofluorobenzene (P.	ID)		105 %	69.9	-140	2022401	MS	25-Feb-22	8021B			
Petroleum Hydrocarbons by	GC FID											
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B			
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B			
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022320	MS	24-Feb-22	8015B			
Surrogate: 1-Chlorooctane			96.2 %	66.9	-136	2022320	MS	24-Feb-22	8015B			
Surrogate: 1-Chlorooctadecane			93.5 %	59.5	-142	2022320	MS	24-Feb-22	8015B			

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

٦



#### Analytical Results For:

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701		Project Num Project Mana	ber: 212 ager: CHF		NE RELE/	Reported: 02-Mar-22 16:15				
			BH - 22 -	``						
			H220	658-19 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	256		16.0	mg/kg	4	2022427	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		103 %	69.9	-140	2022401	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			82.1 %	66.9	-136	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			83.7 %	59.5	-142	2022324	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	nber: 212 ager: CHR		INE RELE/	Reported: 02-Mar-22 16:15			
				- 03 (19 658-20 (So						
			Reporting		,					
Analyte	Result	MDL	Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	176		16.0	mg/kg	4	2022427	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (P	ID)		105 %	69.9	-140	2022401	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			78.8 %	66.9	-136	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			81.8 %	59.5	-142	2022324	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	ber: 212 ger: CHF		ine relej	Reported: 02-Mar-22 16:15			
				- 04 ( 2 658-22 (Se	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	1800		16.0	mg/kg	4	2022427	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		105 %	69.9	-140	2022401	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			93.3 %	66.9	-136	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			94.9 %	59.5	-142	2022324	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project: EVGSAU 3440-02 FLOWLINE RELE Project Number: 212C - MD - 02499 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946						Reported: 02-Mar-22 16:15		
				- 04 ( 658-23 (Se	,						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
Inorganic Compounds											
Chloride	192		16.0	mg/kg	4	2022427	AC	24-Feb-22	4500-Cl-B		
Volatile Organic Compound	s by EPA Method 8	8021									
Benzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022401	MS	25-Feb-22	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	2022401	MS	25-Feb-22	8021B		
Surrogate: 4-Bromofluorobenzene (P.	ID)		103 %	69.9	-140	2022401	MS	25-Feb-22	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B		
Surrogate: 1-Chlorooctane			87.0 %	66.9	-136	2022324	MS	24-Feb-22	8015B		
Surrogate: 1-Chlorooctadecane			89.7 %	59.5	-142	2022324	MS	24-Feb-22	8015B		

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana Fay	iber: 212 ager: CHF	RISTIAN LL 2) 682-394	2499 ULL	INE RELE/	Reported: 02-Mar-22 16:15		
				658-24 (So	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	560		16.0	mg/kg	4	2022427	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (P.	PID)		104 %	69.9	-140	2022401	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			86.5 %	66.9	-136	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			89.2 %	59.5	-142	2022324	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

٦



#### Analytical Results For:

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	nber: 212 ager: CHR		INE RELE/	Reported: 02-Mar-22 16:15			
				- 04 (9	,					
			H220	658-25 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	80.0		16.0	mg/kg	4	2022427	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (PL	ID)		104 %	69.9	-140	2022401	MS	25-Feb-22	8021B	
<u>Petroleum Hydrocarbons by</u>	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			78.7 %	66.9-	-136	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			79.4 %	59.5	-142	2022324	MS	24-Feb-22	8015B	

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana Fax	ber: 212 ger: CHF	RISTIAN LL 2) 682-394	2499 ULL	INE RELE/	0	Reported: 2-Mar-22 16:	15
			H2200	558-26 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	2760		16.0	mg/kg	4	2022428	AC	24-Feb-22	4500-Cl-B	QM-07
Volatile Organic Compounds	by EPA Method 8	021								S-04
Benzene*	< 0.200		0.200	mg/kg	200	2022401	MS	25-Feb-22	8021B	
Toluene*	1.08		0.200	mg/kg	200	2022401	MS	25-Feb-22	8021B	
Ethylbenzene*	15.0		0.200	mg/kg	200	2022401	MS	25-Feb-22	8021B	
Total Xylenes*	33.2		0.600	mg/kg	200	2022401	MS	25-Feb-22	8021B	
Total BTEX	49.2		1.20	mg/kg	200	2022401	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		176 %	69.9	-140	2022401	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									S-06
GRO C6-C10*	1540		100	mg/kg	10	2022324	MS	24-Feb-22	8015B	
DRO >C10-C28*	12900		100	mg/kg	10	2022324	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	2110		100	mg/kg	10	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			606 %	66.9	-136	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			1310 %	59.5	-142	2022324	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	ber: 212 ger: CHF		2499 ULL	INE RELE/	Reported: 02-Mar-22 16:15		
				- 05 (2 558-27 (Se	,					
			H2200	556-27 (50	)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1880		16.0	mg/kg	4	2022428	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	3021								
Benzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Ethylbenzene*	0.169		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total Xylenes*	0.402		0.150	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total BTEX	0.571		0.300	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		113 %	69.9	-140	2022401	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									S-04
GRO C6-C10*	41.6		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
DRO >C10-C28*	1340		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	272		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			103 %	66.9	-136	2022324	MS	24-Feb-22	8015B	_
Surrogate: 1-Chlorooctadecane			157 %	59.5	-142	2022324	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701			Project: EVGSAU 3440-02 FLOWLINE RELE/ Project Number: 212C - MD - 02499 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946					Reported: 02-Mar-22 16:15				
BH - 22 - 05 ( 4-5 ) H220658-28 (Soil)												
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
			Cardina	l Laborat	tories							
Inorganic Compounds												
Chloride	1180		16.0	mg/kg	4	2022428	AC	24-Feb-22	4500-Cl-B			
Volatile Organic Compounds	by EPA Method	8021										
Benzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B			
Toluene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B			
Ethylbenzene*	0.099		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B			
Total Xylenes*	0.311		0.150	mg/kg	50	2022401	MS	25-Feb-22	8021B			
Total BTEX	0.410		0.300	mg/kg	50	2022401	MS	25-Feb-22	8021B			
Surrogate: 4-Bromofluorobenzene (PID)		119 %	69.9-140		2022401	MS	25-Feb-22	8021B				
Petroleum Hydrocarbons by (	GC FID									S-04		
GRO C6-C10*	39.3		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B			
DRO >C10-C28*	1440		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B			
EXT DRO >C28-C36	270		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B			
Surrogate: 1-Chlorooctane		101 %	66.9-136		2022324	MS	24-Feb-22	8015B				
Surrogate: 1-Chlorooctadecane		156 %	59.5-142		2022324	MS	24-Feb-22	8015B				

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

٦



#### Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701		Project: EVGSAU 3440-02 FLOWLINE RELE/ Project Number: 212C - MD - 02499 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946					Reported: 02-Mar-22 16:15				
				05 ( 6	<i>,</i>						
H220658-29 (Soil)											
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	ll Laborat	ories						
Inorganic Compounds											
Chloride	48.0		16.0	mg/kg	4	2022428	AC	24-Feb-22	4500-Cl-B		
Volatile Organic Compound	s by EPA Method 8	021									
Benzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022401	MS	25-Feb-22	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	2022401	MS	25-Feb-22	8021B		
Surrogate: 4-Bromofluorobenzene (PID)		104 % 69.9-140		-140	2022401	MS	25-Feb-22	8021B			
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B		
Surrogate: 1-Chlorooctane		88.4 %	66.9-136		2022324	MS	24-Feb-22	8015B			
Surrogate: 1-Chlorooctadecane		92.1 %	59.5-142		2022324	MS	24-Feb-22	8015B			

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

٦



### Analytical Results For:

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	EST WALL STREET , STE 100				SAU 3440- C - MD - 02 XISTIAN LL 2) 682-394	INE RELE/	Reported: 02-Mar-22 16:15			
				- 05 ( 9	<i>,</i>					
			H220	658-30 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	2022428	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	3021								
Benzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		104 %	69.9	-140	2022401	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			75.5 %	66.9	-136	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			77.0 %	59.5	-142	2022324	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	STREET , STE 100         Project Number:         212C - MD - 02499         02-N           Project Manager:         CHRISTIAN LLULL         Fax To:         (432) 682-3946						Reported: 2-Mar-22 16:	15		
			BH - 22 - H220	- 05 ( 14 658-31 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	2022428	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022401	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		105 %	69.9	-140	2022401	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
DRO >C10-C28*	93.7		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			80.3 %	66.9	-136	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			88.0 %	59.5	-142	2022324	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH 901 WEST WALL STREET , MIDLAND TX, 79701	. STE 100		Project:EVGSAU 3440-02 FLOWLINE RELE/Reported:Project Number:212C - MD - 0249902-Mar-22 16:15Project Manager:CHRISTIAN LLULLFax To:(432) 682-3946						15	
			BH - 22 - H2200	05 ( 19 558-32 (Se	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	2022428	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 802	21								
Benzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		103 %	69.9	-140	2022402	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			80.1 %	66.9	-136	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			82.3 %	59.5	-142	2022324	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	901 WEST WALL STREET , STE 100				65AU 3440- IC - MD - 02 RISTIAN LL 2) 682-394	INE RELE/	Reported: 02-Mar-22 16:15			
				- 06 (	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	8480		16.0	mg/kg	4	2022428	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		105 %	69.9	-140	2022402	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
DRO >C10-C28*	764		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	166		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			90.6 %	66.9	-136	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			133 %	59.5	-142	2022324	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 149 of 210

#### PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

## Analytical Results For:

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701							Reported: 2-Mar-22 16:	15		
				- 06 (2 558-34 (Se	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds Chloride	4480		16.0	mg/kg	4	2022428	AC	24-Feb-22	4500-Cl-B	
			10.0	iiig/kg	+	2022428	AC	24-160-22	4500-CI-B	
Volatile Organic Compounds	*	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		104 %	69.9	-140	2022402	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
DRO >C10-C28*	96.3		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	16.7		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			97.0 %	66.9	-136	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			112 %	59.5	-142	2022324	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	Project: EVGSAU 3440-02 EET , STE 100 Project Number: 212C - MD - 0249 Project Manager: CHRISTIAN LLUL Fax To: (432) 682-3946					02-Mar-22 16:15				
			BH - 22 H2200	- 06 ( 658-35 (Se	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	3360		16.0	mg/kg	4	2022428	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	ID)		105 %	69.9	-140	2022402	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			82.3 %	66.9	-136	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			84.9 %	59.5	-142	2022324	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH       Project:       EVGSAU 3440-02 FLOWLINE RELE/       Reported:         901 WEST WALL STREET , STE 100       Project Number:       212C - MD - 02499       02-Mar-22 16:15         MIDLAND TX, 79701       Project Manager:       CHRISTIAN LLULL       682-3946         BH - 22 - 06 ( 6-7 )         LIZIO 682-36 (Soil)									15	
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
<u>Inorganic Compounds</u> Chloride	2640		16.0	mg/kg	4	2022428	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		104 %	69.9	-140	2022402	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			84.7 %	66.9	-136	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			85.8 %	59.5	-142	2022324	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	EST WALL STREET , STE 100       Project Number: 212C - MD - 02499         ND TX, 79701       Project Manager: CHRISTIAN LLULL         Fax To: (432) 682-3946         BH - 22 - 06 (9-10)							C	Reported: 2-Mar-22 16:	15
				- 06 ( 9 658-37 (Se	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	240		16.0	mg/kg	4	2022428	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		105 %	69.9	-140	2022402	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			89.6 %	66.9	-136	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			92.8 %	59.5	-142	2022324	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701							Reported: 2-Mar-22 16:	15		
				06 (14 558-38 (Se	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds Chloride	112		16.0	mg/kg	4	2022428	AC	24-Feb-22	4500-Cl-B	
		0.01	10.0	ing/kg	·	2022 120	ne	21100 22	1000 01 1	
Volatile Organic Compounds Benzene*	S by EPA Method 8 <0.050	021	0.050		50	2022402	MS	25-Feb-22	8021B	
Toluene*	<0.050		0.050	mg/kg mg/kg	50	2022402	MS	25-Feb-22 25-Feb-22	8021B 8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50 50	2022402	MS	25-Feb-22	8021B 8021B	
Total Xylenes*	<0.050		0.030	mg/kg	50 50	2022402	MS	25-Feb-22	8021B 8021B	
Total BTEX	< 0.300		0.130	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (PI			104 %	69.9		2022402	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			82.0 %	66.9	-136	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			86.9 %	59.5	-142	2022324	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

٦



### Analytical Results For:

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	ber: 212 ager: CHR		INE RELE/	Reported: 02-Mar-22 16:15			
				- 06 ( 19						
			H220	658-39 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	2022428	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (P	ID)		103 %	69.9	-140	2022402	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			82.9 %	66.9	-136	2022324	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			88.5 %	59.5	-142	2022324	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	iber: 212 iger: CHF		ine rele/	Reported: 02-Mar-22 16:15			
				- 07 ( 658-40 (Se	,					
			Reporting		)					
Analyte	Result	MDL	Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	2022428	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (PL	ID)		104 %	69.9	-140	2022402	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			76.4 %	66.9	-136	2022412	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			78.7 %	59.5	-142	2022412	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 156 of 210

## Analytical Results For:

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100	Project: EVGSAU 3440-02 FLOWLINE RELE/ Reported: 100 Project Number: 212C - MD - 02499 02-Mar-22 16:15 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946							15	
				2-07 (2	· ·					
			H220	658-41 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	2022428	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		105 %	69.9	-140	2022402	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			71.1 %	66.9	-136	2022412	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			73.7 %	59.5	-142	2022412	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	ber: 212 ger: CHF		2499 ULL	INE RELE/	ELE/ Reported: 02-Mar-22 16:15				
			BH - 22 H2200	- 07 ( 4 558-42 (Se	<i>,</i>							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
			Cardina	l Laborat	ories							
Inorganic Compounds												
Chloride	32.0		16.0	mg/kg	4	2022428	AC	24-Feb-22	4500-Cl-B			
Volatile Organic Compound	s by EPA Method 802	21										
Benzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B			
Toluene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B			
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B			
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022402	MS	25-Feb-22	8021B			
Total BTEX	< 0.300		0.300	mg/kg	50	2022402	MS	25-Feb-22	8021B			
Surrogate: 4-Bromofluorobenzene (P.	ID)		105 %	69.9	-140	2022402	MS	25-Feb-22	8021B			
Petroleum Hydrocarbons by	GC FID											
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B			
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B			
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B			
Surrogate: 1-Chlorooctane			89.4 %	66.9	-136	2022412	MS	24-Feb-22	8015B			
Surrogate: 1-Chlorooctadecane			92.9 %	59.5	-142	2022412	MS	24-Feb-22	8015B			

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 158 of 210

## Analytical Results For:

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project: EVGSAU 3440-02 FLOWLINE RELE/ Project Number: 212C - MD - 02499 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946						Reported: 02-Mar-22 16:15		
				2 - 08 () 658-43 (So	· ·						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	ıl Laborat	ories						
<u>Inorganic Compounds</u> Chloride	992		16.0	mg/kg	4	2022428	AC	24-Feb-22	4500-Cl-B		
Volatile Organic Compound	s by EPA Method 8	8021									
Benzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022402	MS	25-Feb-22	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	2022402	MS	25-Feb-22	8021B		
Surrogate: 4-Bromofluorobenzene (P.	ID)		105 %	69.9	-140	2022402	MS	25-Feb-22	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B		
Surrogate: 1-Chlorooctane			74.3 %	66.9	-136	2022412	MS	24-Feb-22	8015B		
Surrogate: 1-Chlorooctadecane			78.1 %	59.5	-142	2022412	MS	24-Feb-22	8015B		

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100	Project: EVGSAU 3440-02 FLOWLINE RELE/ Reported: 100 Project Number: 212C - MD - 02499 02-Mar-22 16:15 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946						15		
				2 <b>- 08</b> ( 2 658-44 (Se	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	1650		16.0	mg/kg	4	2030207	GM	02-Mar-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2030116	MS	02-Mar-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2030116	MS	02-Mar-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2030116	MS	02-Mar-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2030116	MS	02-Mar-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2030116	MS	02-Mar-22	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		104 %	69.9	-140	2030116	MS	02-Mar-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2030209	MS	02-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2030209	MS	02-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2030209	MS	02-Mar-22	8015B	
Surrogate: 1-Chlorooctane			116 %	66.9	-136	2030209	MS	02-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			114 %	59.5	-142	2030209	MS	02-Mar-22	8015B	

#### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100	Project:EVGSAU 3440-02 FLOWLINE RELE/Reported:Project Number:212C - MD - 0249902-Mar-22 16:15Project Manager:CHRISTIAN LLULLFax To:(432) 682-3946						15		
				- 08 ( 558-45 (Se	ŕ					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	1150		16.0	mg/kg	4	2030207	GM	02-Mar-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	2030116	MS	02-Mar-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2030116	MS	02-Mar-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2030116	MS	02-Mar-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2030116	MS	02-Mar-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2030116	MS	02-Mar-22	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		104 %	69.9	-140	2030116	MS	02-Mar-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2030209	MS	02-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2030209	MS	02-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2030209	MS	02-Mar-22	8015B	
Surrogate: 1-Chlorooctane			120 %	66.9	-136	2030209	MS	02-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			118 %	59.5	-142	2030209	MS	02-Mar-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	ber: 212 ager: CHR		INE RELE/	Reported: 02-Mar-22 16:15			
				2 - 08 ( )	,					
			H220	658-46 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	1010		16.0	mg/kg	4	2030207	GM	02-Mar-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2030116	MS	02-Mar-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2030116	MS	02-Mar-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2030116	MS	02-Mar-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2030116	MS	02-Mar-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2030116	MS	02-Mar-22	8021B	
Surrogate: 4-Bromofluorobenzene (PL	ID)		104 %	69.9	-140	2030116	MS	02-Mar-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2030209	MS	02-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2030209	MS	02-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2030209	MS	02-Mar-22	8015B	
Surrogate: 1-Chlorooctane			122 %	66.9	-136	2030209	MS	02-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			120 %	59.5	-142	2030209	MS	02-Mar-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project:         EVGSAU 3440-02 FLOWLINE RELE/         Reported:           Project Number:         212C - MD - 02499         02-Mar-22 16:15           Project Manager:         CHRISTIAN LLULL         02-Mar-22 16:15           Fax To:         (432) 682-3946         02-Mar-22 16:15						15	
				- 08 ( 9 558-47 (Se	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	768		16.0	mg/kg	4	2030207	GM	02-Mar-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	2030116	MS	02-Mar-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2030116	MS	02-Mar-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2030116	MS	02-Mar-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2030116	MS	02-Mar-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2030116	MS	02-Mar-22	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		104 %	69.9	-140	2030116	MS	02-Mar-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2030209	MS	02-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2030209	MS	02-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2030209	MS	02-Mar-22	8015B	
Surrogate: 1-Chlorooctane			120 %	66.9	-136	2030209	MS	02-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			118 %	59.5	-142	2030209	MS	02-Mar-22	8015B	

#### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	Project:EVGSAU 3440-02 FLOWLINE RELE/Reported:tt Number:212C - MD - 0249902-Mar-22 16:15tt Manager:CHRISTIAN LLULLFax To:(432) 682-3946						15
				- 09 () 658-48 (Se	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	240		16.0	mg/kg	4	2022428	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		104 %	69.9	-140	2022402	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			70.9 %	66.9	-136	2022412	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			70.0 %	59.5	-142	2022412	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

٦



### Analytical Results For:

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	901 WEST WALL STREET , STE 100 P					Project: EVGSAU 3440-02 FLOWLINE RELE/ Project Number: 212C - MD - 02499 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946					
			BH - 22	- 10 ( 0	)-1)						
			H220	658-53 (So	oil)						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
Inorganic Compounds											
Chloride	<16.0		16.0	mg/kg	4	2022428	AC	24-Feb-22	4500-Cl-B		
Volatile Organic Compound	s by EPA Method	8021									
Benzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B		
Toluene*	0.064		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B		
Ethylbenzene*	0.215		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B		
Total Xylenes*	0.442		0.150	mg/kg	50	2022402	MS	25-Feb-22	8021B		
Total BTEX	0.720		0.300	mg/kg	50	2022402	MS	25-Feb-22	8021B		
Surrogate: 4-Bromofluorobenzene (Ph	D)		105 %	69.9	-140	2022402	MS	25-Feb-22	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	12.6		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B	_	
DRO >C10-C28*	16.7		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B		
Surrogate: 1-Chlorooctane			84.6 %	66.9	-136	2022412	MS	24-Feb-22	8015B		
Surrogate: 1-Chlorooctadecane			83.3 %	59.5	-142	2022412	MS	24-Feb-22	8015B		

#### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	ber: 212 ger: CHF		2499 ULL	INE RELE/	E RELE/ Reported: 02-Mar-22 16:15				
				- 11 () 658-54 (Se	<i>,</i>							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
			Cardina	l Laborat	tories							
Inorganic Compounds												
Chloride	48.0		16.0	mg/kg	4	2022301	AC	24-Feb-22	4500-Cl-B			
Volatile Organic Compounds	s by EPA Method 8	8021										
Benzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B			
Toluene*	0.085		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B			
Ethylbenzene*	0.198		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B			
Total Xylenes*	0.414		0.150	mg/kg	50	2022402	MS	25-Feb-22	8021B			
Total BTEX	0.697		0.300	mg/kg	50	2022402	MS	25-Feb-22	8021B			
Surrogate: 4-Bromofluorobenzene (Pl	'D)		107 %	69.9	-140	2022402	MS	25-Feb-22	8021B			
Petroleum Hydrocarbons by	GC FID											
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B			
DRO >C10-C28*	11.6		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B			
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B			
Surrogate: 1-Chlorooctane			85.5 %	66.9	-136	2022412	MS	24-Feb-22	8015B			
Surrogate: 1-Chlorooctadecane			87.5 %	59.5	-142	2022412	MS	24-Feb-22	8015B			

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	901 WEST WALL STREET , STE 100 Pro					Project: EVGSAU 3440-02 FLOWLINE RELE/ Project Number: 212C - MD - 02499 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946						
				2 - 12 (	,							
			H220	658-55 (So	oil)							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
			Cardina	ıl Laborat	ories							
Inorganic Compounds												
Chloride	80.0		16.0	mg/kg	4	2022301	AC	24-Feb-22	4500-Cl-B			
Volatile Organic Compound	s by EPA Method 8	8021										
Benzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B			
Toluene*	0.059		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B			
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B			
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022402	MS	25-Feb-22	8021B			
Total BTEX	< 0.300		0.300	mg/kg	50	2022402	MS	25-Feb-22	8021B			
Surrogate: 4-Bromofluorobenzene (Pl	ID)		105 %	69.9	-140	2022402	MS	25-Feb-22	8021B			
Petroleum Hydrocarbons by	GC FID											
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B			
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B			
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B			
Surrogate: 1-Chlorooctane			86.8 %	66.9	-136	2022412	MS	24-Feb-22	8015B			
Surrogate: 1-Chlorooctadecane			88.6 %	59.5	-142	2022412	MS	24-Feb-22	8015B			

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100	Project:EVGSAU 3440-02 FLOWLINE RELE/Reported:Project Number:212C - MD - 0249902-Mar-22 16:Project Manager:CHRISTIAN LLULLFax To:(432) 682-3946						15		
				- 13 () 658-56 (Se	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	48.0		16.0	mg/kg	4	2022301	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Toluene*	0.058		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		103 %	69.9	-140	2022402	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			84.6 %	66.9	-136	2022412	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			89.8 %	59.5	-142	2022412	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	ber: 212 ger: CHF		2499 ULL	INE RELE/	O	Reported: 2-Mar-22 16:	15
				- 14 () 658-57 (Se	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	64.0		16.0	mg/kg	4	2022301	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2022402	MS	25-Feb-22	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		104 %	69.9	-140	2022402	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctane			80.3 %	66.9	-136	2022412	MS	24-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			84.4 %	59.5	-142	2022412	MS	24-Feb-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project: EVGSAU 3440-02 FLOWLINE RELE/ Project Number: 212C - MD - 02499 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946						Reported: 02-Mar-22 16:15			
				2 - 15 ()	,							
			H220	658-58 (So	oil)							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
			Cardina	al Laborat	ories							
Inorganic Compounds												
Chloride	32.0		16.0	mg/kg	4	2022301	AC	24-Feb-22	4500-Cl-B			
Volatile Organic Compound	s by EPA Method 8	8021										
Benzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B			
Toluene*	0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B			
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B			
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022402	MS	25-Feb-22	8021B			
Total BTEX	< 0.300		0.300	mg/kg	50	2022402	MS	25-Feb-22	8021B			
Surrogate: 4-Bromofluorobenzene (PL	ID)		105 %	69.9	-140	2022402	MS	25-Feb-22	8021B			
Petroleum Hydrocarbons by	GC FID											
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B			
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B			
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B			
Surrogate: 1-Chlorooctane			76.3 %	66.9	-136	2022412	MS	24-Feb-22	8015B			
Surrogate: 1-Chlorooctadecane			79.4 %	59.5	-142	2022412	MS	24-Feb-22	8015B			

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

### Analytical Results For:

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100	Project: EVGSAU 3440-02 FLOWLINE RELE Project Number: 212C - MD - 02499 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946						Reported: 02-Mar-22 16:15			
				- 16 ( 658-59 (Se	<i>,</i>						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	tories						
Inorganic Compounds Chloride	320		16.0	mg/kg	4	2022301	AC	24-Feb-22	4500-Cl-B		
Volatile Organic Compounds	s by EPA Method 8	8021									
Benzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2022402	MS	25-Feb-22	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	2022402	MS	25-Feb-22	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	2022402	MS	25-Feb-22	8021B		
Surrogate: 4-Bromofluorobenzene (PL	D)		104 %	69.9	-140	2022402	MS	25-Feb-22	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022412	MS	24-Feb-22	8015B		
Surrogate: 1-Chlorooctane			75.2 %	66.9	-136	2022412	MS	24-Feb-22	8015B		
Surrogate: 1-Chlorooctadecane			78.2 %	59.5	-142	2022412	MS	24-Feb-22	8015B		

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

## Analytical Results For:

TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: EVGSAU 3440-02 FLOWLINE F Project Number: 212C - MD - 02499 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946	RELE/ Reported: 02-Mar-22 16:15
---	---	------------------------------------

### **Inorganic Compounds - Quality Control**

Cardinal Laboratories													
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes			
Batch 2022301 - 1:4 DI Water													
Blank (2022301-BLK1)				Prepared &	Analyzed:	23-Feb-22							
Chloride	ND	16.0	mg/kg										
LCS (2022301-BS1)				Prepared &	Analyzed:	23-Feb-22							
Chloride	432	16.0	mg/kg	400		108	80-120						
LCS Dup (2022301-BSD1)				Prepared &	Analyzed:	23-Feb-22							
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20				
Batch 2022327 - 1:4 DI Water													
Blank (2022327-BLK1)				Prepared & Analyzed: 23-Feb-22									
Chloride	ND	16.0	mg/kg										
LCS (2022327-BS1)				Prepared &	Analyzed:	23-Feb-22							
Chloride	416	16.0	mg/kg	400		104	80-120						
LCS Dup (2022327-BSD1)				Prepared &	Analyzed:	23-Feb-22							
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20				
Batch 2022427 - 1:4 DI Water													
Blank (2022427-BLK1)				Prepared &	Analyzed:	24-Feb-22							
		16.0	mg/kg		-								
Chloride	ND	10.0	mg/kg										
Chloride LCS (2022427-BS1)	ND	10.0	mg/kg	Prepared &	Analyzed:	24-Feb-22							

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: EVGSAU 3440-02 FLOWLINE RELE/ Project Number: 212C - MD - 02499 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946 Inorganic Compounds - Quality Control								Reported: 02-Mar-22 16:15			
	Inoi	0	-	- Quality oratories	Control							
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes		
Batch 2022427 - 1:4 DI Water												
LCS Dup (2022427-BSD1)	Prepared & Analyzed: 24-Feb-22											
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20			
Batch 2022428 - 1:4 DI Water												
Blank (2022428-BLK1)				Prepared & Analyzed: 24-Feb-22								
Chloride	ND	16.0	mg/kg									
LCS (2022428-BS1)				Prepared &	Analyzed:	24-Feb-22						
Chloride	400	16.0	mg/kg	400		100	80-120					
LCS Dup (2022428-BSD1)				Prepared &	Analyzed:	24-Feb-22						
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20			
Batch 2030207 - 1:4 DI Water												
Blank (2030207-BLK1)				Prepared &	Analyzed:	02-Mar-22						
Chloride	ND	16.0	mg/kg	-	•							
LCS (2030207-BS1)				Prepared &	Analyzed:	02-Mar-22						
Chloride	432	16.0	mg/kg	400	2	108	80-120					
LCS Dup (2030207-BSD1)				Prepared &	Analyzed:	02-Mar-22						
Chloride	416	16.0	mg/kg	400		104	80-120	3.77	20			

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal	Laboratories

Amolerto	n 14	Reporting	11-2	Spike	Source	0/050	%REC	סחת	RPD Limit	NT -
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2022323 - Volatiles										
Blank (2022323-BLK1)				Prepared: 2	3-Feb-22 A	nalyzed: 2	5-Feb-22			
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0516		mg/kg	0.0500		103	69.9-140			
LCS (2022323-BS1)				Prepared: 2	3-Feb-22 A	nalyzed: 2	5-Feb-22			
Benzene	2.06	0.050	mg/kg	2.00		103	83.4-122			
Toluene	2.05	0.050	mg/kg	2.00		102	84.2-126			
Ethylbenzene	1.98	0.050	mg/kg	2.00		99.1	84.2-121			
m,p-Xylene	4.15	0.100	mg/kg	4.00		104	89.9-126			
o-Xylene	2.01	0.050	mg/kg	2.00		101	84.3-123			
Total Xylenes	6.17	0.150	mg/kg	6.00		103	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0509		mg/kg	0.0500		102	69.9-140			
LCS Dup (2022323-BSD1)				Prepared: 2	3-Feb-22 A	nalyzed: 2	5-Feb-22			
Benzene	2.16	0.050	mg/kg	2.00		108	83.4-122	4.38	12.6	
Toluene	2.13	0.050	mg/kg	2.00		107	84.2-126	4.15	13.3	
Ethylbenzene	2.05	0.050	mg/kg	2.00		103	84.2-121	3.50	13.9	
m,p-Xylene	4.28	0.100	mg/kg	4.00		107	89.9-126	2.92	13.6	
o-Xylene	2.04	0.050	mg/kg	2.00		102	84.3-123	1.24	14.1	
Total Xylenes	6.31	0.150	mg/kg	6.00		105	89.1-124	2.38	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0500		mg/kg	0.0500		100	69.9-140			

## Batch 2022401 - Volatiles

Blank (2022401-BLK1)			Prepared: 24-Feb-22 Analyzed: 25-Feb-22
Benzene	ND	0.050	mg/kg
Toluene	ND	0.050	mg/kg
Ethylbenzene	ND	0.050	mg/kg
Total Xylenes	ND	0.150	mg/kg

### Cardinal Laboratories

#### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project Number: 2 Project Manager: (	EVGSAU 3440-02 FLOWLINE RELE/ 212C - MD - 02499 CHRISTIAN LLULL (432) 682-3946	Reported: 02-Mar-22 16:15
---	---	---	------------------------------

# Volatile Organic Compounds by EPA Method 8021 - Quality Control Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch 2022401 - Volatiles											
Blank (2022401-BLK1)				Prepared: 2	4-Feb-22 A	nalyzed: 2	5-Feb-22				
Total BTEX	ND	0.300	mg/kg								
Surrogate: 4-Bromofluorobenzene (PID)	0.0520		mg/kg	0.0500		104	69.9-140				
LCS (2022401-BS1)				Prepared: 2	4-Feb-22 A	nalyzed: 2	5-Feb-22				
Benzene	2.17	0.050	mg/kg	2.00		108	83.4-122				
Toluene	2.14	0.050	mg/kg	2.00		107	84.2-126				
Ethylbenzene	2.14	0.050	mg/kg	2.00		107	84.2-121				
m,p-Xylene	4.46	0.100	mg/kg	4.00		111	89.9-126				
o-Xylene	2.13	0.050	mg/kg	2.00		106	84.3-123				
Total Xylenes	6.58	0.150	mg/kg	6.00		110	89.1-124				
Surrogate: 4-Bromofluorobenzene (PID)	0.0507		mg/kg	0.0500		101	69.9-140				
LCS Dup (2022401-BSD1)				Prepared: 2	4-Feb-22 A	nalyzed: 2	5-Feb-22				
Benzene	2.13	0.050	mg/kg	2.00		107	83.4-122	1.65	12.6		
Toluene	2.10	0.050	mg/kg	2.00		105	84.2-126	1.65	13.3		
Ethylbenzene	2.10	0.050	mg/kg	2.00		105	84.2-121	1.90	13.9		
m,p-Xylene	4.38	0.100	mg/kg	4.00		110	89.9-126	1.78	13.6		
o-Xylene	2.08	0.050	mg/kg	2.00		104	84.3-123	2.16	14.1		
Total Xylenes	6.46	0.150	mg/kg	6.00		108	89.1-124	1.90	13.4		
Surrogate: 4-Bromofluorobenzene (PID)	0.0508		mg/kg	0.0500		102	69.9-140				

# Batch 2022402 - Volatiles

Blank (2022402-BLK1)				Prepared: 24-Feb-	-22 Analyzed: 2	5-Feb-22	
Benzene	ND	0.050	mg/kg				
Toluene	ND	0.050	mg/kg				
Ethylbenzene	ND	0.050	mg/kg				
Total Xylenes	ND	0.150	mg/kg				
Total BTEX	ND	0.300	mg/kg				
Surrogate: 4-Bromofluorobenzene (PID)	0.0518		mg/kg	0.0500	104	69.9-140	

### Cardinal Laboratories

\*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project Number: Project Manager:	EVGSAU 3440-02 FLOWLINE RELE/ 212C - MD - 02499 CHRISTIAN LLULL (432) 682-3946	Reported: 02-Mar-22 16:15	
---	-------------------------------------	---	------------------------------	--

# Volatile Organic Compounds by EPA Method 8021 - Quality Control Cardinal Laboratories

			Reporting		Spike	Source		%REC		RPD	
LCS (2022402-BS1)         Prepared: 24-Feb-22 Analyzed: 25-Feb-22           Benzene         2.10         0.050         mg/kg         2.00         105         83.4-122           Toluene         2.07         0.050         mg/kg         2.00         104         84.2-126           Ethylbenzene         2.04         0.050         mg/kg         2.00         102         84.2-121           mp-Xylene         4.27         0.100         mg/kg         2.00         101         84.3-123           Total Xylenes         6.29         0.150         mg/kg         6.00         105         89.1-124           Surrogate: 4-Bromofluorobenzene (PID)         0.0512         mg/kg         0.0500         102         69.9-140           LCS Dup (2022402-BSD1)         Prepared: 24-Feb-22 Analyzed: 25-Feb-22         1.92         12.6           Benzene         2.14         0.050         mg/kg         2.00         105         84.2-121         1.92         12.6           Toluene         2.11         0.050         mg/kg         2.00         105         84.2-121         2.76         13.9           mp-Xylene         4.38         0.100         mg/kg         4.00         110         89.9-126         2.58         13.6 </th <th>Analyte</th> <th>Result</th> <th></th> <th>Units</th> <th></th> <th>Result</th> <th>%REC</th> <th>Limits</th> <th>RPD</th> <th>Limit</th> <th>Notes</th>	Analyte	Result		Units		Result	%REC	Limits	RPD	Limit	Notes
Benzene         2.10         0.050         mg/kg         2.00         105         83.4-122           Toluene         2.07         0.050         mg/kg         2.00         104         84.2-126           Ethylbenzene         2.04         0.050         mg/kg         2.00         102         84.2-126           Ethylbenzene         2.04         0.050         mg/kg         2.00         102         84.2-121           m,p-Xylene         2.03         0.050         mg/kg         2.00         101         84.3-123           Total Xylenes         6.29         0.150         mg/kg         6.00         105         89.1-124           LCS Dup (2022402-BSD1)         Prepared: 24-Feb-22 Analyzed: 25-Feb-22         Enzene         2.14         0.050         mg/kg         2.00         107         83.4-122         1.92         12.6           Toluene         2.11         0.050         mg/kg         2.00         106         84.2-121         1.92         12.6           Toluene         2.10         0.050         mg/kg         2.00         105         84.3-123         3.62         14.1           Toluene         2.10         0.050         mg/kg         2.00         105         84.3-123 <td>Batch 2022402 - Volatiles</td> <td></td>	Batch 2022402 - Volatiles										
Toluene       2.07       0.050       mg/kg       2.00       104       84.2-126         Ethylbenzene       2.04       0.050       mg/kg       2.00       102       84.2-121         mp-Xylene       4.27       0.100       mg/kg       4.00       107       89.9-126         o-Xylene       2.03       0.050       mg/kg       2.00       101       84.3-123         Total Xylenes       6.29       0.150       mg/kg       6.00       105       89.1-124         Surrogate: 4-Bromofluorobenzene (PID)       0.0512       mg/kg       0.0500       102       69.9-140         LCS Dup (2022402-BSD1)       Prepared: 24-Feb-22 Analyzed: 25-Feb-22       Inservent       1.92       12.6         Toluene       2.14       0.050       mg/kg       2.00       107       83.4-122       1.92       12.6         Toluene       2.10       0.050       mg/kg       2.00       105       84.2-126       1.97       13.3         Ethylbenzene       2.10       0.050       mg/kg       2.00       105       84.2-121       2.76       13.9         mp-Xylene       4.38       0.100       mg/kg       2.00       105       84.3-123       3.62       14.1	LCS (2022402-BS1)				Prepared: 2	24-Feb-22 A	analyzed: 2	5-Feb-22			
Ethylbenzene       2.04       0.050       mg/kg       2.00       102       84.2-121         mp-Xylene       4.27       0.100       mg/kg       4.00       107       89.9-126         o-Xylene       2.03       0.050       mg/kg       2.00       101       84.3-123         Total Xylenes       6.29       0.150       mg/kg       6.00       105       89.1-124         Surrogate: 4-Bromofluorobenzene (PID)       0.0512       mg/kg       0.0500       102       6.9.9-140         LCS Dup (2022402-BSD1)       Prepared: 24-Feb-22 Analyzed: 25-Feb-22       1.92       1.2.6         Benzene       2.14       0.050       mg/kg       2.00       107       83.4-122       1.92       12.6         Toluene       2.11       0.050       mg/kg       2.00       106       84.2-121       1.92       12.6         np-Xylene       2.10       0.050       mg/kg       2.00       105       84.2-121       2.96       13.9         mp-Xylene       2.10       0.050       mg/kg       4.00       110       89.9-16       2.88       13.6         o-Xylene       2.10       0.050       mg/kg       6.00       108       89.1-124       2.91 <td< td=""><td>Benzene</td><td>2.10</td><td>0.050</td><td>mg/kg</td><td>2.00</td><td></td><td>105</td><td>83.4-122</td><td></td><td></td><td></td></td<>	Benzene	2.10	0.050	mg/kg	2.00		105	83.4-122			
mp-Xylene       4.27       0.100       mg/kg       4.00       107       89.9-126         o-Xylene       2.03       0.050       mg/kg       2.00       101       84.3-123         Total Xylenes       6.29       0.150       mg/kg       6.00       105       89.1-124         Surrogate:       4.Bromofluorobenzene (PID)       0.0512       mg/kg       0.0500       102       69.9-140         Prepared:       24-Feb-22 Analyzed:       25-Feb-22         Benzene       2.14       0.050       mg/kg       2.00       107       83.4-122       1.92       12.6         Toluene       2.11       0.050       mg/kg       2.00       105       84.2-126       1.97       13.3         Ethylbenzene       2.10       0.050       mg/kg       2.00       105       84.2-126       1.97       13.3         Ethylbenzene       2.10       0.050       mg/kg       2.00       105       84.2-126       1.97       13.3         Ethylbenzene       2.10       0.050       mg/kg       2.00       105       84.3-123       3.62       14.1         Total Xylenes       6.48       0.150       mg/kg       0.050       102       69.9-140	Toluene	2.07	0.050	mg/kg	2.00		104	84.2-126			
0-Xylene       2.03       0.050       mg/kg       2.00       101       84.3-123         Total Xylenes       6.29       0.150       mg/kg       6.00       105       89.1-124         Surrogate: 4-Bromofluorobenzene (PID)       0.0512       mg/kg       0.0500       102       69.9-140         LCS Dup (2022402-BSD1)       Prepared: 24-Feb-22 Analyzed: 25-Feb-22       1.92       1.26         Benzene       2.14       0.050       mg/kg       2.00       107       83.4-122       1.92       1.26         Total xylene       2.11       0.050       mg/kg       2.00       106       84.2-126       1.97       13.3         Ethylbenzene       2.10       0.050       mg/kg       2.00       105       84.3-123       3.62       14.1         Total Xylenes       4.38       0.100       mg/kg       6.00       108       89.1-124       2.91       13.4         Surrogate: 4-Bromofluorobenzene (PID)       0.0511       mg/kg       0.0500       102       69.9-140       14.1         Surrogate: 4-Bromofluorobenzene (PID)       0.0511       mg/kg       0.050       102       69.9-140       13.4         Bank (2030116 - BLK1)       Prepared: 01-Mar-22 Analyzed: 02-Mar-22       13.4 <td>Ethylbenzene</td> <td>2.04</td> <td>0.050</td> <td>mg/kg</td> <td>2.00</td> <td></td> <td>102</td> <td>84.2-121</td> <td></td> <td></td> <td></td>	Ethylbenzene	2.04	0.050	mg/kg	2.00		102	84.2-121			
Total Xylenes         6.29         0.150         mg/kg         6.00         105         89.1-124           Sturrogate: 4-Bromofluorobenzene (PID)         0.0512         mg/kg         0.0500         102         69.9-140           LCS Dup (2022402-BSD1)         Prepared: 24-Feb-22 Analyzed: 25-Feb-22         1.92         1.26           Benzene         2.14         0.050         mg/kg         2.00         107         83.4-122         1.92         1.26           Toluene         2.11         0.050         mg/kg         2.00         105         84.2-126         1.97         1.3.3           Ethylbenzene         2.10         0.050         mg/kg         2.00         105         84.2-126         1.97         1.3.4           o-Xylene         2.10         0.050         mg/kg         2.00         105         84.3-123         3.62         1.4.1           Total Xylenes         6.48         0.150         mg/kg         6.00         108         89.1-124         2.91         1.3.4           Surrogate: 4-Bromofluorobenzene (PID)         0.0511         mg/kg         6.00         108         89.1-124         2.91         1.3.4           Barke 2030116 - Volatiles         Barcena         ND         0.050	m,p-Xylene	4.27	0.100	mg/kg	4.00		107	89.9-126			
Surrogate: 4-Bromofluorobenzene (PID)         0.0512         mg/kg         0.0500         102         69.9-140           LCS Dup (2022402-BSD1)         Prepared: 24-Feb-22 Analyzed: 25-Feb-22         1.26         1.26         1.26         1.27         1.26         1.26         1.26         1.26         1.26         1.27         1.26         1.26         1.26         1.27         1.26         1.26         1.27         1.26         1.27         1.26         1.27         1.26         1.27         1.26         1.27         1.26         1.27         1.26         1.27         1.26         1.27         1.26         1.27         1.23         1.26         1.27         1.26	o-Xylene	2.03	0.050	mg/kg	2.00		101	84.3-123			
LCS Dup (2022402-BSD1)         Prepared: 24-Feb-22 Analyzed: 25-Feb-22           Benzene         2.14         0.050         mg/kg         2.00         107         83.4-122         1.92         12.6           Toluene         2.11         0.050         mg/kg         2.00         106         84.2-126         1.97         13.3           Ethylbenzene         2.10         0.050         mg/kg         2.00         105         84.2-121         2.76         13.9           m,p-Xylene         4.38         0.100         mg/kg         4.00         110         8.9-124         2.91         13.6           o-Xylene         2.10         0.050         mg/kg         6.00         108         89.1-124         2.91         13.4           Total Xylenes         6.48         0.150         mg/kg         6.00         108         89.1-124         2.91         13.4           Surrogate: 4-Bromofluorobenzene (PID)         0.0511         mg/kg         0.0500         102         69.9-140         14.1           Bank (2030116 - LValatiles         Prepared: 01-Mar-22 Analyzed: 02-Mar-22         13.4         14.1         14.1         14.1         14.1         14.1         14.1         14.1         14.1         14.1         14.1 <td>Total Xylenes</td> <td>6.29</td> <td>0.150</td> <td>mg/kg</td> <td>6.00</td> <td></td> <td>105</td> <td>89.1-124</td> <td></td> <td></td> <td></td>	Total Xylenes	6.29	0.150	mg/kg	6.00		105	89.1-124			
Benzene       2.14       0.050       mg/kg       2.00       107       83.4-122       1.92       12.6         Toluene       2.11       0.050       mg/kg       2.00       106       84.2-126       1.97       13.3         Ethylbenzene       2.10       0.050       mg/kg       2.00       105       84.2-121       2.76       13.9         m,p-Xylene       4.38       0.100       mg/kg       4.00       110       89.9-126       2.58       13.6         o-Xylene       2.10       0.050       mg/kg       2.00       105       84.3-123       3.62       14.1         Total Xylenes       6.48       0.150       mg/kg       6.00       108       89.1-124       2.91       13.4         Surrogate: 4-Bromofluorobenzene (PID)       0.0511       mg/kg       0.0500       102       69.9-140         Batch 2030116 - Volatiles       Prepared: 01-Mar-22 Analyzed: 02-Mar-22         Benzene       ND       0.050       mg/kg       102       69.9-140         Benzene       ND       0.050       mg/kg       102       69.9-140         Total Xylenes       ND       0.050       mg/kg       102       69.9-140         Batch 2030	Surrogate: 4-Bromofluorobenzene (PID)	0.0512		mg/kg	0.0500		102	69.9-140			
Toluene       2.11       0.050       mg/kg       2.00       106       84.2-126       1.97       13.3         Ethylbenzene       2.10       0.050       mg/kg       2.00       105       84.2-121       2.76       13.9         m,p-Xylene       4.38       0.100       mg/kg       4.00       110       89.9-126       2.58       13.6         >-Xylene       2.10       0.050       mg/kg       2.00       105       84.3-123       3.62       14.1         Total Xylenes       6.48       0.150       mg/kg       6.00       108       89.1-124       2.91       13.4         Surrogate: 4-Bromofluorobenzene (PID)       0.0511       mg/kg       0.0500       102       69.9-140       59.9-140         Batch 2030116 - Volatiles         Prepared: 01-Mar-22 Analyzed: 02-Mar-22         Bank (2030116-BLK1)         Benzene       ND       0.050       mg/kg         Toluene       ND       0.050       mg/kg         Toluene       ND       0.050       mg/kg       1.14       1.14         Toluene       ND       0.050       mg/kg       1.14       1.14         Tolal Xylenes	LCS Dup (2022402-BSD1)				Prepared: 2	24-Feb-22 A	analyzed: 2	5-Feb-22			
Ethylbenzene       2.10       0.050       mg/kg       2.00       105       84.2-121       2.76       13.9         m,p-Xylene       4.38       0.100       mg/kg       4.00       110       89.9-126       2.58       13.6         o-Xylene       2.10       0.050       mg/kg       2.00       105       84.3-123       3.62       14.1         Total Xylenes       6.48       0.150       mg/kg       6.00       108       89.1-124       2.91       13.4         Sturogate: 4-Bromofluorobenzene (PID)       0.0511       mg/kg       0.0500       102       69.9-140	Benzene	2.14	0.050	mg/kg	2.00		107	83.4-122	1.92	12.6	
np-Xylene       4.38       0.100       mg/kg       4.00       110       89.9-126       2.58       13.6         o-Xylene       2.10       0.050       mg/kg       2.00       105       84.3-123       3.62       14.1         Total Xylenes       6.48       0.150       mg/kg       6.00       108       89.1-124       2.91       13.4         Surrogate: 4-Bromofluorobenzene (PID)       0.0511       mg/kg       0.0500       102       69.9-140       -         Batch 2030116 - Volatiles        mg/kg       0.0500       102       69.9-140       -         Benzene       ND       0.050       mg/kg       0.0500       102       69.9-140       -         Foluene       ND       0.050       mg/kg       0.0500       102       69.9-140       -         Benzene       ND       0.050       mg/kg       0.050       102       69.9-140       -         Foluene       ND       0.050       mg/kg       0.90       102       02-Mar-22       -         Foluene       ND       0.050       mg/kg       -       -       -       -       -         Foluene       ND       0.050       mg/kg       - <td>Toluene</td> <td>2.11</td> <td>0.050</td> <td>mg/kg</td> <td>2.00</td> <td></td> <td>106</td> <td>84.2-126</td> <td>1.97</td> <td>13.3</td> <td></td>	Toluene	2.11	0.050	mg/kg	2.00		106	84.2-126	1.97	13.3	
2.10       0.050       mg/kg       2.00       105       84.3-123       3.62       14.1         Total Xylenes       6.48       0.150       mg/kg       6.00       108       89.1-124       2.91       13.4         Surrogate: 4-Bromofluorobenzene (PID)       0.0511       mg/kg       0.0500       102       69.9-140         Batch 2030116 - Volatiles       Prepared: 01-Mar-22 Analyzed: 02-Mar-22         Benzene       ND       0.050       mg/kg       0.050       mg/kg         Total Xylenes       ND       0.050       mg/kg	Ethylbenzene	2.10	0.050	mg/kg	2.00		105	84.2-121	2.76	13.9	
Total Xylenes         6.48         0.150         mg/kg         6.00         108         89.1-124         2.91         13.4           Surrogate: 4-Bromofluorobenzene (PID)         0.0511         mg/kg         0.0500         102         69.9-140           Batch 2030116 - Volatiles           Prepared: 01-Mar-22 Analyzed: 02-Mar-22             Benzene         ND         0.050         mg/kg              Toluene         ND         0.050         mg/kg              Ethylbenzene         ND         0.050         mg/kg               Total Xylenes         ND         0.050         mg/kg	m,p-Xylene	4.38	0.100	mg/kg	4.00		110	89.9-126	2.58	13.6	
Surrogate: 4-Bromofluorobenzene (PID)         0.0511         mg/kg         0.0500         102         69.9-140           Batch 2030116 - Volatiles         Prepared: 01-Mar-22 Analyzed: 02-Mar-22           Blank (2030116-BLK1)         Prepared: 01-Mar-22 Analyzed: 02-Mar-22           Benzene         ND         0.050         mg/kg           Toluene         ND         0.050         mg/kg           Ethylbenzene         ND         0.050         mg/kg           Total Xylenes         ND         0.150         mg/kg           MD         0.300         mg/kg         Units         Units	o-Xylene	2.10	0.050	mg/kg	2.00		105	84.3-123	3.62	14.1	
Batch 2030116 - Volatiles     Prepared: 01-Mar-22 Analyzed: 02-Mar-22       Blank (2030116-BLK1)     Prepared: 01-Mar-22 Analyzed: 02-Mar-22       Benzene     ND     0.050     mg/kg       Toluene     ND     0.050     mg/kg       Ethylbenzene     ND     0.050     mg/kg       Total Xylenes     ND     0.150     mg/kg       Total BTEX     ND     0.300     mg/kg	Total Xylenes	6.48	0.150	mg/kg	6.00		108	89.1-124	2.91	13.4	
Blank (2030116-BLK1)     Prepared: 01-Mar-22 Analyzed: 02-Mar-22       Benzene     ND     0.050     mg/kg       Toluene     ND     0.050     mg/kg       Ethylbenzene     ND     0.050     mg/kg       Total Xylenes     ND     0.150     mg/kg       Total BTEX     ND     0.300     mg/kg	Surrogate: 4-Bromofluorobenzene (PID)	0.0511		mg/kg	0.0500		102	69.9-140			
ND     0.050     mg/kg       Toluene     ND     0.050     mg/kg       Ethylbenzene     ND     0.050     mg/kg       Total Xylenes     ND     0.150     mg/kg       Total BTEX     ND     0.300     mg/kg	Batch 2030116 - Volatiles										
TolueneND0.050mg/kgEthylbenzeneND0.050mg/kgTotal XylenesND0.150mg/kgTotal BTEXND0.300mg/kg	Blank (2030116-BLK1)				Prepared: (	)1-Mar-22 A	Analyzed: (	)2-Mar-22			
EthylbenzeneND0.050mg/kgTotal XylenesND0.150mg/kgTotal BTEXND0.300mg/kg	Benzene	ND	0.050	mg/kg							
Total Xylenes     ND     0.150     mg/kg       Total BTEX     ND     0.300     mg/kg	Toluene	ND	0.050	mg/kg							
Total BTEX ND 0.300 mg/kg	Ethylbenzene	ND	0.050	mg/kg							
	Total Xylenes	ND	0.150	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID) 0.0518 mg/kg 0.0500 104 69.9-140	Total BTEX	ND	0.300	mg/kg							
	Surrogate: 4-Bromofluorobenzene (PID)	0.0518		mg/kg	0.0500		104	69.9-140			

### **Cardinal Laboratories**

\*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project Number: Project Manager:	EVGSAU 3440-02 FLOWLINE RELE/ 212C - MD - 02499 CHRISTIAN LLULL (432) 682-3946	Reported: 02-Mar-22 16:15	
---	-------------------------------------	---	------------------------------	--

### Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal	Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2030116 - Volatiles										
LCS (2030116-BS1)				Prepared: 0	)1-Mar-22 A	Analyzed: (	)2-Mar-22			
Benzene	2.09	0.050	mg/kg	2.00		104	83.4-122			
Toluene	2.08	0.050	mg/kg	2.00		104	84.2-126			
Ethylbenzene	2.00	0.050	mg/kg	2.00		99.8	84.2-121			
m,p-Xylene	4.18	0.100	mg/kg	4.00		105	89.9-126			
o-Xylene	2.02	0.050	mg/kg	2.00		101	84.3-123			
Total Xylenes	6.20	0.150	mg/kg	6.00		103	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0508		mg/kg	0.0500		102	69.9-140			
LCS Dup (2030116-BSD1)				Prepared: 0	)1-Mar-22 A	Analyzed: (	)2-Mar-22			
Benzene	2.09	0.050	mg/kg	2.00		104	83.4-122	0.0321	12.6	
Toluene	2.08	0.050	mg/kg	2.00		104	84.2-126	0.0529	13.3	
Ethylbenzene	1.99	0.050	mg/kg	2.00		99.4	84.2-121	0.430	13.9	
m,p-Xylene	4.15	0.100	mg/kg	4.00		104	89.9-126	0.766	13.6	
o-Xylene	1.96	0.050	mg/kg	2.00		97.9	84.3-123	3.04	14.1	
Total Xylenes	6.11	0.150	mg/kg	6.00		102	89.1-124	1.50	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0503		mg/kg	0.0500		101	69.9-140			

#### **Cardinal Laboratories**

### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project Number: 21 Project Manager: CH		Reported: 02-Mar-22 16:15
---	---	--	------------------------------

### Petroleum Hydrocarbons by GC FID - Quality Control

**Cardinal Laboratories** 

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2022308 - General Prep - Organics										
Blank (2022308-BLK1)				Prepared &	Analyzed:	23-Feb-22				
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	49.9		mg/kg	50.0		99.8	66.9-136			
Surrogate: 1-Chlorooctadecane	52.9		mg/kg	50.0		106	59.5-142			
LCS (2022308-BS1)				Prepared &	Analyzed:	23-Feb-22				
GRO C6-C10	188	10.0	mg/kg	200		93.9	81.6-129			
DRO >C10-C28	186	10.0	mg/kg	200		93.1	83-129			
Total TPH C6-C28	374	10.0	mg/kg	400		93.5	84.5-127			
Surrogate: 1-Chlorooctane	56.0		mg/kg	50.0		112	66.9-136			
Surrogate: 1-Chlorooctadecane	59.4		mg/kg	50.0		119	59.5-142			
LCS Dup (2022308-BSD1)				Prepared &	Analyzed:	23-Feb-22				
GRO C6-C10	232	10.0	mg/kg	200		116	81.6-129	20.9	21.4	
DRO >C10-C28	194	10.0	mg/kg	200		96.8	83-129	3.95	17.9	
Total TPH C6-C28	426	10.0	mg/kg	400		106	84.5-127	12.9	17.6	
Surrogate: 1-Chlorooctane	61.3		mg/kg	50.0		123	66.9-136			
Surrogate: 1-Chlorooctadecane	59.9		mg/kg	50.0		120	59.5-142			
Batch 2022320 - General Prep - Organics										
Blank (2022320-BLK1)				Prepared &	z Analyzed:	23-Feb-22				

Blank (2022320-BLK1)				Prepared & Analyzed: 2.	3-Feb-22	
GRO C6-C10	ND	10.0	mg/kg			
DRO >C10-C28	ND	10.0	mg/kg			
EXT DRO >C28-C36	ND	10.0	mg/kg			
Surrogate: 1-Chlorooctane	56.3		mg/kg	50.0	113	66.9-136
Surrogate: 1-Chlorooctadecane	57.0		mg/kg	50.0	114	59.5-142

### Cardinal Laboratories

#### \*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager



### Petroleum Hydrocarbons by GC FID - Quality Control

**Cardinal Laboratories** 

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2022320 - General Prep - Organics										
LCS (2022320-BS1)				Prepared &	Analyzed:	23-Feb-22				
GRO C6-C10	210	10.0	mg/kg	200		105	81.6-129			
DRO >C10-C28	248	10.0	mg/kg	200		124	83-129			
Total TPH C6-C28	458	10.0	mg/kg	400		115	84.5-127			
Surrogate: 1-Chlorooctane	60.9		mg/kg	50.0		122	66.9-136			
Surrogate: 1-Chlorooctadecane	61.0		mg/kg	50.0		122	59.5-142			
LCS Dup (2022320-BSD1)				Prepared &	Analyzed:	23-Feb-22				
GRO C6-C10	212	10.0	mg/kg	200		106	81.6-129	0.703	21.4	
DRO >C10-C28	248	10.0	mg/kg	200		124	83-129	0.139	17.9	
Total TPH C6-C28	460	10.0	mg/kg	400		115	84.5-127	0.398	17.6	
Surrogate: 1-Chlorooctane	60.1		mg/kg	50.0		120	66.9-136			
Surrogate: 1-Chlorooctadecane	60.0		mg/kg	50.0		120	59.5-142			
Batch 2022324 - General Prep - Organics										
Blank (2022324-BLK1)				Prepared: 2	23-Feb-22 A	nalyzed: 2	4-Feb-22			
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	52.8		mg/kg	50.0		106	66.9-136			
Surrogate: 1-Chlorooctadecane	56.7		mg/kg	50.0		113	59.5-142			
LCS (2022324-BS1)				Prepared &	Analyzed:	23-Feb-22				
	166	10.0	mg/kg	200		83.2	81.6-129			
GRO C6-C10	100			200		110	83-129			
	220	10.0	mg/kg	200						
GRO C6-C10		10.0 10.0	mg/kg mg/kg	400		96.7	84.5-127			
GRO C6-C10 DRO >C10-C28	220					96.7 125	84.5-127 66.9-136			

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project Number: Project Manager:	EVGSAU 3440-02 FLOWLINE RELE/ 212C - MD - 02499 CHRISTIAN LLULL (432) 682-3946	Reported: 02-Mar-22 16:15	
---	-------------------------------------	---	------------------------------	--

### Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal	Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2022324 - General Prep - Organics										
LCS Dup (2022324-BSD1)	Prepared: 23-Feb-22 Analyzed: 24-Feb-22									
GRO C6-C10	164	10.0	mg/kg	200		82.2	81.6-129	1.22	21.4	
DRO >C10-C28	211	10.0	mg/kg	200		106	83-129	4.17	17.9	
Total TPH C6-C28	376	10.0	mg/kg	400		93.9	84.5-127	2.89	17.6	
Surrogate: 1-Chlorooctane	61.1		mg/kg	50.0		122	66.9-136			
Surrogate: 1-Chlorooctadecane	60.7		mg/kg	50.0		121	59.5-142			
Batch 2022412 - General Prep - Organics										
Blank (2022412-BLK1)	Prepared & Analyzed: 24-Feb-22									
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	54.2		mg/kg	50.0		108	66.9-136			
Surrogate: 1-Chlorooctadecane	59.0		mg/kg	50.0		118	59.5-142			
LCS (2022412-BS1)				Prepared &	Analyzed:	24-Feb-22				
GRO C6-C10	185	10.0	mg/kg	200		92.3	81.6-129			
DRO >C10-C28	224	10.0	mg/kg	200		112	83-129			
Total TPH C6-C28	409	10.0	mg/kg	400		102	84.5-127			
Surrogate: 1-Chlorooctane	63.7		mg/kg	50.0		127	66.9-136			
Surrogate: 1-Chlorooctadecane	65.9		mg/kg	50.0		132	59.5-142			
LCS Dup (2022412-BSD1)				Prepared &	Analyzed:	24-Feb-22				
GRO C6-C10	186	10.0	mg/kg	200		92.8	81.6-129	0.528	21.4	
DRO >C10-C28	228	10.0	mg/kg	200		114	83-129	1.95	17.9	
Total TPH C6-C28	414	10.0	mg/kg	400		104	84.5-127	1.31	17.6	
Surrogate: 1-Chlorooctane	58.1		mg/kg	50.0		116	66.9-136			
Surrogate: 1-Chlorooctadecane	63.7		mg/kg	50.0		127	59.5-142			

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project Number: Project Manager:	EVGSAU 3440-02 FLOWLINE RELE/ 212C - MD - 02499 CHRISTIAN LLULL (432) 682-3946	Reported: 02-Mar-22 16:15	
---	-------------------------------------	---	------------------------------	--

### Petroleum Hydrocarbons by GC FID - Quality Control

		Reporting		Spike	Source		%REC		RPD		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	
Batch 2030209 - General Prep - Organics											
Blank (2030209-BLK1)	Prepared & Analyzed: 02-Mar-22										
GRO C6-C10	ND	10.0	mg/kg								
DRO >C10-C28	ND	10.0	mg/kg								
EXT DRO >C28-C36	ND	10.0	mg/kg								
Surrogate: 1-Chlorooctane	62.4		mg/kg	50.0		125	66.9-136				
Surrogate: 1-Chlorooctadecane	61.3		mg/kg	50.0		123	59.5-142				
LCS (2030209-BS1)	Prepared & Analyzed: 02-Mar-22										
GRO C6-C10	210	10.0	mg/kg	200		105	81.6-129				
DRO >C10-C28	210	10.0	mg/kg	200		105	83-129				
Total TPH C6-C28	420	10.0	mg/kg	400		105	84.5-127				
Surrogate: 1-Chlorooctane	63.6		mg/kg	50.0		127	66.9-136				
Surrogate: 1-Chlorooctadecane	60.6		mg/kg	50.0		121	59.5-142				
LCS Dup (2030209-BSD1)	Prepared & Analyzed: 02-Mar-22										
GRO C6-C10	221	10.0	mg/kg	200		110	81.6-129	4.92	21.4		
DRO >C10-C28	245	10.0	mg/kg	200		123	83-129	15.6	17.9		
Total TPH C6-C28	466	10.0	mg/kg	400		117	84.5-127	10.4	17.6		
Surrogate: 1-Chlorooctane	64.0		mg/kg	50.0		128	66.9-136				
Surrogate: 1-Chlorooctadecane	61.8		mg/kg	50.0		124	59.5-142				

### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence ar any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether su claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Liboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page Ol of 07

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: ConocoPhillips Project Manager: Christian Llull Address: christian.llull@tetratech.com City: Phone #: (512) 338-1667 Project #: 212C-MD-02499 Project #: 212C-MD-02499	ps ch.com State: Zip: Fax #: NA Project Owner:		<b>BILL TO</b> P.O. #: Company: Tetra Tech Attn: Christian Llull Address: by email	Sch 6				ANALYSIS		REQUEST	JEST	$\left  \right $	
Project Manager: Christian Llui Address: christian.llull@tetratec City: Phone #: (512) 338-1667 Project #: 212C-MD-02499 Project Name: EVGSAU 3440-0	h.com State: Fax #: NA Project Owner:	5	s: hri	sch			_		_		-	-	
Address: christian.llull@tetratec City: Phone #: (512) 338-1667 Project #: 212C-MD-02499 Project Name: EVGSAU 3440-0	State: Fax #: NA Project Owner:	ō	Company: Tetra Te Attn: Christian Llull Address: by email	sch									
City: Phone #: (512) 338-1667 Project #: 212C-MD-02499 Project Name: EVGSALI 3440-0	NA t Owner:	, o	Attn: Christian Llull Address: by email				-						
Phone #: (512) 338-1667 Project #: 212C-MD-02499 Project Name: EVGSALI 3440-0	Fax #: NA Project Owner:		Address: by email		_	_							
Project #: 212C-MD-02499 Project Name: EVGSALI 3440-0	Project Owner:										_		
Project Name: EVGSAU 3440-0			City:								-		
	Project Name: EVGSAU 3440-02 Flowline Release		State: Zip:							-			
Project Location: Lea County, New Mexico	New Mexico		Phone #:										
Sampler Name: Joe Tyler			Fax #:										
FOR LAB USE ONLY		MATRIX	PRESERV. SAI	SAMPLING									
Lab I.D. San	(G)RAB OR (C)OMP.	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER : DATE	TIME	TPH	BTEX		Hold					
1 · BH-22	22-01 (2-3) G	×	×	te-	××	X				$\left  \right $	+	+	
	(4-5)				-	_			_	_	+	-	
4	(9-10)												
5	(14-15)												
6	(19-20)								-				
5-1	(24-25)									-	-	-	
9 BH-22-02	(J-3)		2-16-1	ft-									
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for neolecine and any other cause whatsoever shall be deemed waived unless made in writing and received the Cardinal within 30 days after companion of the analyses is a solicitable.	(4 - S) $Viability and client's exclusive remedy for any claimand any other cause whatsoever shall be deemed to$	n arising whether based in contract waived unless made in writing an	t or tort, shall be limited to the amound of received by Cardinal within 30 dates to the second diversity of the cardinal within 30 dates to the cardinal within 30 da	unt paid by the client for the		V							
service. In no event shall Cardinal be faible for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries affitiates or successors arising out of or related to the performance of services thereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or of therwise.  Relinouished By: Date: Dat	ental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiari performance of services hereunder by Cardinal, regardless of Mwether such daim is based upon any of the above stated reasons or otherwise performance of services hereunder by Cardinal, regardless of Mwether such daim is based upon any of the above stated reasons or otherwise performance of services hereunder by Cardinal, regardless of Mwether such daim is based upon any other above stated reasons or otherwise performance of services hereunder by Cardinal, regardless of Mwether such daim is based upon any other above stated reasons or otherwise performance of services hereunder by Cardinal, regardless of Mwether such daim is based upon any other above stated reasons or otherwise performance of services hereunder by Cardinal, regardless of Mwether such daim is based upon any otherwise the services here performance of the services hereunder by Cardinal, regardless of the services of the services here and the services here the service here the services here t	thout limitation, business interruptions, dinal, regardless of whether such claim Received Rv.	loss of use, or loss of profits incurre is based upon any of the above sta	ed by client, its subsidiaries, ated reasons or otherwise.		Yee	No.	Add'l Phone #	none #·				
lo The	12	buint	1111111	Fax Results:			□ No	Add'l Fax #:	1X #:				
Relinquished By:	Date: Rec	Received By:	& Chindry	Christian Christian	02	lian (PM)	PM)						
	Time:												
Delivered By: (Circle One)	1.6° ) C.O.Se	Sample Condition	ion CHECKED BY:										
Sampler - UPS - Bus - Other:	1.1		1										

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

# Page 69 of 74

**CARDINAL** Laboratories

Page 02 of 07

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(5	(575) 393-2326 FAX (575) 393-2476	393-2476																				ge	000	4	<
Company Name: ConocoPhillips	ConocoPhillips									81	BILL TO						ANALYSIS	LISI		EQU	REQUEST	[			
Project Manager: Christian Llull	Christian Llull						J.	P.O. #:	**																
Address: christian.llull@tetratech.com	llull@tetratech.com						0	omp	bany	: Te	Company: Tetra Tech														
City:	State:	: Zip:					A	ŧ.	Chri	stiar	Attn: Christian Llull														
Phone #: (512) 338-1667	3-1667 Fax #: NA	: NA					A	ddre	ess:	by e	Address: by email														
Project #: 212C-MD-02499		Project Owner:					Q	City:								7									
Project Name: EV(	Project Name: EVGSAU 3440-02 Flowline Release	ease					s	State:			Zip:														
Project Location:	Project Location: Lea County, New Mexico						P	Phone #:	e #:																
Sampler Name: Joe Tyler	e Tyler						T	Fax #:																	
FOR LAB USE ONLY					MATRIX	RX	ł	Ŗ	PRESERV.	RV.	SAMPLING	G													
		OMP.																							
Lab I.D. HZZOLISS	Sample I.D.	(G)RAB OR (C	# CONTAINER	GROUNDWAT WASTEWATEI	SOIL	OIL	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH	BTEX	Chlorides		Hold								
11	BH-22-02 (6-	7) (T	0					_	×	-	tt-91-6		*	×	×						-			$\neg$	
12	1 (9-10)	0	-		-		-						-	-	-										
61	-4I) (I4-	14-15)					_																		
14	1 (19-20)	36)									*				-										
15	BH-22-03 (2-3)	,			_	1					CC-LI-C														
16	(4-5)								_		-				-						-				
17	(6-7)					-				_															
21	(9-10)								-				-								-				
14	(14-15)	5				-									-										
PLEASE NOTE: Liability and Da	amages. Cardinal's liability and client's exclusive	remedy for any claim		whether	A A		nt or to	rt sha	4	nited to	the amount naid	hy the client for th	<	4	<			Γ			$\vdash$				
analyses. All claims including the service. In no event shall Cardin affiliates or successors arising ou	analyses. All claims including those for negligence and any other is exclusive reinvolvy or any valuer ansing whetere cases on contract or tort, shall be timited to the amount plad by the client for the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal repartees of whether such claim is based upon any of the above stated reasons or otherwise.	in a sculawar remery is any cann ansig whenter based in contract or tort, snait be immed to the anount paid by the client to tr asuse whatsoever shall be deemed waived unless anade in writing and received by Cardinal within 30 days after completion of the quental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiari of services hereunder by Cardinal resources of whether such claim is based unon any of the above stated reasons or otherwise	waived i waived i limitatio	whether unless m n, busine ss of wh	pased in ade in v ess inter	riting a ruptions	nd rece	eived b of use,	or loss	inal wi of pro	o the armount paid thin 30 days after fifts incurred by cli above stated reas	ory the client for the completion of the completion of the control	applicat s,	de											
Relinquished By:	JO Date:	1-22 Re	Received By:	dBy				2		-	11	Phone Results: Fax Results:		□ Yes		No	Add'l Phone #: Add'l Fax #:	Phone Fax #:	#						
Relinquished By:	Date:	25	Received By:	d By		2	R			R	X	Email Results to:	_ sto												
Sampler - UPS - Bus - Other	(Circle One) 1.60	6-0.52	N IAI	Cool	es e	Condi Intact	tion	1	CHE CHE	(Initials)	(Initials)														
		IC TH	Ç	F	No	No	°		4	t															

Received by OCD: 4/12/2022 2:04:57 PM

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

**CARDINAL** Laboratories

Page 70 of 74

Page 03 of 07

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

																						I
Company Name: ConocoPhillips	ConocoPhillips							81	BILL TO						ANALYSIS	-YSIS		REQUEST	ST			
Project Manager: Christian Llull	Christian Llull					P	P.O. #:													-		
Address: christian.llull@tetratech.com	llull@tetratech.cor	п				C	ompa	iny: T	Company: Tetra Tech													
City:		State:	Zip:			At	ttn: C	hristia	Attn: Christian Llull					,								
Phone #: (512) 338-1667	-1667	Fax #: NA				A	ddres	Address: by email	email													
Project #: 212C-MD-02499	0-02499	Project Owner:	a			<u>Ω</u>	City:															
Project Name: EVGSAU 3440-02 Flowline Release	3SAU 3440-02 Flo	wline Release				St	State:		Zip:													
Project Location: Lea County, New Mexico	_ea County, New I	Mexico				P	Phone #:	#	4											×		
Sampler Name: Joe Tyler	e Tyler					Fa	Fax #:															
FOR LAB USE ONLY					MATRIX		PRE	PRESERV.	SAMPLING	NG												
		i		/ATER									s									
Lab I.D. H220658	Sample I.D.	el.D.	(G)RAB OR	# CONTAIN GROUNDW WASTEWA	SOIL OIL	SLUDGE OTHER :	ACID/BASE	ICE / COOL OTHER :	DATE	TIME	TPH	BTEX	Chloride		Hold							
21	40 EE HB	(0-1)	-		×				C- CI E		×	×	*			N	80	Sau	202	e	-	00
ce		(2-5)		-				-					-						-			
S S		(4-5)				-							1								-	
he		(6-7)				-															-	
as	¥	(9-10)							<				•								-	1
96	BH-22-05	(6-1)							2-16-22				*								-	
27		(2-3)				+			_												-	
200		(4-5)			-	-		-													-	
8 g	<	(9-10)	<	<	<			4	4		4	4	4									
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be denned waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, the applicable service. In one event shall cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, the applicable afficiance as unconservations of the analyse how nodes to Cardinal second as or which we have the about the about conservation or subsidies afficiance as the cardinal for analyse in the applicable bounder to Cardinal second as or which active to the about or the about active or the about and the applicable afficiance as the cardinal for the applicable of the about the applicable of the about the	amages. Cardinal's liability an ose for negligence and any of al be liable for incidental or co	LEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising whether based in contract or tort, shall be limited to the amount paid by the client for the any set. All claims including those for negligence and any other cause whatsoever shall be deemed warden unless made in writing and received by Cardinal within 30 days after completion of the anyone. In one event shall Cardina be liable for incidential or consequents damages, including withination, business interruptions, loss of use, or loss of profits incurred by client, the deemed warden warden to the site in writing and received by Cardinal within 30 days after completion of the structure of the deemed warden unless interruptions, loss of use, or loss of profits incurred by client, the deemed warden warden to the structure of the deemed warden on the structure of the deemed warden unless interruptions, loss of use, or loss of profits incurred by client, the deemed warden of the deemed warden on the structure of the deemed warden unless interruptions, loss of use, or loss of profits incurred by client, the deemed warden of the deemed warden on the structure of the deemed warden on the deemed warden of the deemed warden on the deemed warden on the deemed warden of the deemed warden of the deemed warden on the deemed warden of the deemed warden of the deemed warden on the deemed warden of the deemed warden on the deemed warden of the dee	any claim a deemed w g without li	arising whethe waived unless limitation, busi	r based in cont made in writing ness interruptio	and rece ns, loss c	eived by of use, o	be limited Cardinal v r loss of p	to the amount pair within 30 days after rofits incurred by c	d by the client for t r completion of the lient, its subsidiari	the e applicables,	e										
Relinquished By:	111	Date: <i> よっ</i> る/ - るる	Rec	Received By:			2	1	.)	Phone Results: Fax Results:	ults: s:	□ Yes		No	Add'l Phone #: Add'l Fax #:	hone #	*					
Jou	Ger	2	P	Mall	afall	A	B	Ž	K	Email Results to:		her										
Relinquished By:		Date: Time:	Rec	Received By:							Na	1										
Delivered By: (Circle One)	Circle One)	1.60 C-0	20.50		Sample Condition Cool Intact	dition		(Init	CHECKED BY: (Initials)													
Sampler - UPS - Bus - Other:	Bus - Other:	lile #1	14	ж ла	TYes TYes	Nin Nin		f.	ġ.													

21/2

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

# Page 184 of 210

**CARDINAL** Laboratories

# Received by OCD: 4/12/2022 2:04:57 PM

ic (cic)	919) 393-2326 FAX (919) 393-2416	10				
Company Name: ConocoPhillips Proiect Manager: Christian Llull	oPhillips an Llull		P.O. #:		ANALTSIS	
Address: christian.llull@tetratech.com	letratech.com		Company: Tetra Tech		_	
City:	State:	Zip:	Attn: Christian Llull			
Phone #: (512) 338-1667			Address: by email		_	
Project #: 212C-MD-02499	99 Project Owner:		City:		_	
roject Name: EVGSAU	Project Name: EVGSAU 3440-02 Flowline Release		State: Zip:			
Project Location: Lea County, New Mexico	ounty, New Mexico		Phone #:			
Sampler Name: Joe Tyler			Fax #:			
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE		TPH BTEX	Chlorides	
31 31	BH-27-65 (14-15)		XI	××	×.	
~			1			
HE 55	1-27 -06 (0-1)		2-16-37		•	
SE	(4-5)					
36	(6-2)					
10	(9-10)					
200	(14-15)					
40 BH	(1-0) to-ll-	* *	EE-91-00 V	4 4	<.	
PLEASE NOTE: Liability and Damages. C: analyses. All claims including those for neg service. In no event shall Cardinal be liable	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,	any claim arising whether based in contract deemed waived unless made in writing and g without limitation, business interruptions, Ic	or tort, shall be limited to the amount paid by received by Cardinal within 30 days after co oss of use, or loss of profits incurred by clien	amount paid by the client for the 10 days after completion of the applicable neurred by client, its subsidiaries,		
annates or successors arising out or relation of the relation	By: Dates Hennary Gates Hennary Gates Dates Hennary Gates Hennary Gates Timp: 525	Date: Date: A	s based upon any of the above stated reason	sons or otherwise.         Phone Results:       Yes         Fax Results:       Yes         Email Results to:	s INO Add'I Phone #: s NO Add'I Fax #:	none #: x #:
Relinquished By:	Date:	Received By:	Turney our	PM		
Delivered By: (Circle One) Sampler - UPS - Bus - Other	One) $l_i (be) (b-b)$ Other: $l_i (be) (b-b) (b-b)$	Sc Sample Condition	on CHECKED BY: (Initials)			

Page 185 of 210

aboratories

AI YSIS REQUEST

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 72 of 74

# Page 05 of 07

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

10	010 VUI 070-2020 LUV (010	0147-000 10	ľ																									
Company Name: ConocoPhillips	onocoPhillips												8	BILL TO					ANALYSIS	-YSIS		ğ	REQUEST					
Project Manager: Christian Llull	Christian Llull									P.O.	0. #:	177												_			_	
Address: christian.llull@tetratech.com	lull@tetratech.com									S	qm	any	T:	Company: Tetra Tech														
City:	St	State:	Zip:	<u> </u>						At	ä	Shr	istia	Attn: Christian Llull														
Phone #: (512) 338-1667		Fax #: NA								Ad	Idre	SS	by	Address: by email														
Project #: 212C-MD-02499		Project Owner:								City:	4																	
Project Name: EVG	Project Name: EVGSAU 3440-02 Flowline Release	lelease								Sta	State:			Zip:														
Project Location: L	Project Location: Lea County, New Mexico				-					Ph	Phone #:	#:																
Sampler Name: Joe	Tyler									Fa	Fax #:																	
FOR LAB USE ONLY							MATRIX	IR			PR	ESE	PRESERV	SAMPLING	G													
Lab I.D. HZZ0658	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH	BTEX	Chlorides	 Hold	×								
41	FO - + + + + + + + + + + + + + + + + + +	(2-3)	9	10			X					×		CC-91-C		×	×	×										
42	*	(4-5)	-	-										*		×	×	×							_			
64	BH-22-08	(0-1)										-		2-16-22		×	×	×						-				
t <del>t</del>		(2-3)					-							-			5	5	۲.	1			5	•				
ts.		(4-5)	-				-					-				2	5	5	×		Z	-			24	5	2	
46		(6-7)		-			-									5	5	5	×		8	8	8	0	10	10	1	
47	¢	(9-10)												Ł		5	5	5	×									
84	BH-22-09	(0-1)												2-16-22	~	×	×	X						-				
49		12-3)		-								-					-		×									
PLEASE NOTE: Liability and Dar	manes Cardinal's liability and client's evi	(4-5)		<		other	+	5	stract	or for	cha	4	nited	4	for the client for the	L	┝	$\vdash$	×				F	H			F	
analyses. All claims including tho service. In no event shall Cardina affiliates or successors arising out	Tre-CASE WOLE: Labolity and Lamages. Cardona's labolity and clients exclusive remedy for any dama raising whether based in contract or fort, shall be limited to the amount paid by the client for the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidential or consequentia damages, including without limitation, usiness interruptions, loss of use, or lo	clusive remedy tor any hatsoever shall be de damages, including w ces hereunder by Car	emed ithout dinal, r	arısır waive limita regare	d unle tion, b fless of	ether I ess m usine of who	ade in ss intr	writin errupt	g and ons, I laim i	recei oss of s base	t, sha ved b f use, ed up	y Carr or los	mited dinal v s of p s of th	to the amount paid within 30 days after rofits incurred by cli e above stated reas	I by the client for the completion of the ap lient, its subsidiaries, sons or otherwise.	pplicable												
Relinquished By:	Ver Time:	1-22	Received By:	eiv	ed	By:				~	$\mathcal{O}$		0	11,0	Phone Results: Fax Results: Fmail Results to	s fo:	□ Yes		Add'l Phone #: Add'l Fax #:	hone ax #:	#							
Relinquished By:	Date:	ne: 12351 te:	Received By:	iely.	ed	By:	3	R	4	R		De	N	Suc	Email Results to: PY	s to:												
ı	Time:	ne:		×																								
				,																								

Received by OCD: 4/12/2022 2:04:57 PM

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

1. We

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

C #1/2

Sample Condition Cool Inflact Pres Pres

CHECKED BY: (Initials)

# Page 186 of 210

**CARDINAL** Laboratories

Page 73 of 74

# 101 East Marland, Hobbs, NM 88240

# Page 06 of 07

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(575) 393-2326 FAX (575) 393-2476	176															-	agevo	2	0	
Company Name	Company Name: ConocoPhillips						8	BILL TO					AN	ANALYSIS		REQUEST	EST				
Project Manager: Christian Llull	r: Christian Llull				P.O. #:	#							_	$\neg$		$\neg$	-	$\neg$	$\neg$	$\neg$	
Address: christi	Address: christian.llull@tetratech.com				Con	npai	ıy:	Company: Tetra Tech													
City:	State:	Zip:	•		Attn	1: 0	Iristi	Attn: Christian Llull													
Phone #: (512) 338-1667	338-1667 Fax #: NA				Add	res	s: by	Address: by email						_							
Project #: 212C-MD-02499	-MD-02499 Project Owner:	er:			City:																
Project Name: E	Project Name: EVGSAU 3440-02 Flowline Release				State:	e		Zip:													
Project Locatio	Project Location: Lea County, New Mexico				Phone #:	ne #	π														
Sampler Name: Joe Tyler	Joe Tyler				Fax #	#													-		
FOR LAB USE ONLY				MATRIX	-	RES	PRESERV.	1. SAMPLING					_								
Lab I.D.	Sample I.D.	B OR (C)OMP.	TAINERS			BASE: COOL				1	X	orides	4								
RSAGZZH		) (G)R	# CC	WAS SOIL OIL SLUI	OTH	-	OTH	DATE	TIME	TP	вт	Ch	Но		$\vdash$	+	$\vdash$	$\vdash$	$\vdash$	$\vdash$	
Y	(2-9) bo-CC-HS	¢	9	×	+	t	f	2 16 22			Ц	Ц	×	1	-	5	-		1	1	-
52	(01-6)	+						4					*	+	1 V C	0	LUN	101	8	2/2	त
SZ	BH-22-10 (0-1)	1	_					8-17-22		×	×	x						-			1
hS	(1-0) 11-CE-HB	-								×	~	×.									
SS	(1-0) E1-EE-HB		-							×	×	×								_	
SL	BH-22-13 (0-1)									×	×	×				_		_			
57	BH-22-14 (0-1)	-								×	×	X		-						-	
25	BH-22-15 (0-1)							<		×	5	K		-						_	
65	BH-22-16 (0-1)						-	CC-91-C		×	×	×									
60	* (2-3)	4	4	4	-	2		¥					×								
PLEASE NOTE: Liability an analyses. All claims includin service. In no event shall Ci	PILEASE MOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the paralyses. All claims including those for negligence and any other cause whatsover risk and be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal writing and receive and the service in the s	e deemed	n arising waived	g whether based in contract o 1 unless made in writing and r	r tort, s	hall be d by C	limited	I to the amount paid by the within 30 days after comple	client for the a	applicable											
affiliates or successors arisin	affiates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise	Cardinal,	regard	less of whether such claim is	based	upon a	ny of t	he above stated reasons or	otherwise.												

A PATRICI DI LA INITIA IN	are perioritiance of services nereniner by Calu	caruinal, regardless of whether such claim is based upon any of the above stated reasons of otherws	asons of otherwise.
telinquished By:	Date:	Received By:	Phone Results:  Yes No Add'I Phone #:
1 11	alder		Fax Results:  Ves No Add'I Fax #:
Ove yes	Time: 2	Mariaka 1/ 1/1/ alf all	Email Results to:
	1200	ALL MULLIN WINNIN	
Relinquished By:	Date:	Received By:	Ma
	1		111
Delivered By: (Circle One)	60) C.D.S	C Sample Condition CH	
Sampler - UPS - Bus - Other:	1 210	H/2 Pres Pres AP	
† Cardinal cannot accept verbal c	changes. Pleas	† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326	
	1		

**CARDINAL** Laboratories

Page 74 of 74



March 10, 2022

CHRISTIAN LLULL TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: EVGSAU 3440-02 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 03/08/22 9:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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 CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	03/08/2022	Sampling Date:	03/08/2022
Reported:	03/10/2022	Sampling Type:	Soil
Project Name:	EVGSAU 3440-02 FLOWLINE RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02499	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO NM		

#### Sample ID: BH - 22 - 17 ( 0-1' ) (H220900-01)

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	03/10/2022	ND	1.95	97.3	2.00	8.95	
Toluene*	<0.050	0.050	03/10/2022	ND	1.95	97.5	2.00	9.53	
Ethylbenzene*	<0.050	0.050	03/10/2022	ND	1.88	93.8	2.00	9.37	
Total Xylenes*	<0.150	0.150	03/10/2022	ND	5.84	97.3	6.00	8.69	
Total BTEX	<0.300	0.300	03/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/09/2022	ND	400	100	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	03/09/2022	ND	227	114	200	1.56	
DRO >C10-C28*	<10.0	10.0	03/09/2022	ND	218	109	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	03/09/2022	ND					
Surrogate: 1-Chlorooctane	80.2	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	84.0	% 59.5-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whother this subsidiaries, affiliates or successor arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, whother business interruptors, loss of use, or loss of profits incurred by client, its subsidiaries, afflicate or successor arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Released to Imaging: 5/17/2022 4:32:39 PM



# APPENDIX G NMSLO Seed Mixture Details



United States Department of Agriculture

Natural Resources Conservation Service A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

# Custom Soil Resource Report for Lea County, New Mexico



# Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/? cid=nrcs142p2\_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require

alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

•

# Contents

Preface	2
How Soil Surveys Are Made	
Soil Map	
Soil Map	
Legend	
Map Unit Legend	
Map Unit Descriptions	
Lea County, New Mexico	13
KU—Kimbrough-Lea complex, dry, 0 to 3 percent slopes	13
References	16

# **How Soil Surveys Are Made**

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

.

# Custom Soil Resource Report

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

# Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.







# Released to Imaging: 5/17/2022 4:32:39 PM

.

•

# Custom Soil Resource Report

MAP LE	GEND	MAP INFORMATION
Area of Interest (AOI)         Area of Interest (AOI)         Soils         Soil Map Unit Polygons         Area of Interest (AOI)         Soil Map Unit Polygons         Soil Map Unit Polygons         Soil Map Unit Points         Special Point Features         Image: Borrow Pit         Image: Clay Spot	Spoil Area   Spoil Area   Stony Spot   Very Stony Spot   Very Stony Spot   Very Stony Spot   Other   Other   Special Line Features   Vater Features   Streams and Canals   Transportation   Hert   Rails	<b>MAP INFORMATION</b> The soil surveys that comprise your AOI were mapped at 1:20,000.Warning: Soil Map may not be valid at this scale.Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.Please rely on the bar scale on each map sheet for map measurements.
<ul> <li>Closed Depression</li> <li>Gravel Pit</li> <li>Gravelly Spot</li> <li>Landfill</li> <li>Lava Flow</li> <li>Marsh or swamp</li> <li>Mine or Quarry</li> <li>Miscellaneous Water</li> </ul>	<ul> <li>Interstate Highways</li> <li>US Routes</li> <li>Major Roads</li> <li>Local Roads</li> </ul> Backgrout Marial Photography	Source of Map: Natural Resources Conservation Service Web Soil Survey URL: Coordinate System: Web Mercator (EPSG:3857) Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required. This product is generated from the USDA-NRCS certified data as
<ul> <li>Perennial Water</li> <li>Rock Outcrop</li> <li>Saline Spot</li> <li>Sandy Spot</li> <li>Severely Eroded Spot</li> <li>Sinkhole</li> <li>Slide or Slip</li> </ul>		of the version date(s) listed below. Soil Survey Area: Lea County, New Mexico Survey Area Data: Version 18, Sep 10, 2021 Soil map units are labeled (as space allows) for map scales 1:50,000 or larger. Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020
🧭 Sodic Spot		The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

# **Map Unit Legend**

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KU	Kimbrough-Lea complex, dry, 0 to 3 percent slopes	1.6	100.0%
Totals for Area of Interest		1.6	100.0%

# **Map Unit Descriptions**

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

# Lea County, New Mexico

# KU—Kimbrough-Lea complex, dry, 0 to 3 percent slopes

# Map Unit Setting

National map unit symbol: 2tw46 Elevation: 2,500 to 4,800 feet Mean annual precipitation: 14 to 16 inches Mean annual air temperature: 57 to 63 degrees F Frost-free period: 180 to 220 days Farmland classification: Not prime farmland

# **Map Unit Composition**

*Kimbrough and similar soils:* 45 percent *Lea and similar soils:* 25 percent *Minor components:* 30 percent *Estimates are based on observations, descriptions, and transects of the mapunit.* 

# **Description of Kimbrough**

# Setting

Landform: Playa rims, plains Down-slope shape: Convex, linear Across-slope shape: Concave, linear Parent material: Loamy eolian deposits derived from sedimentary rock

# **Typical profile**

A - 0 to 3 inches: gravelly loam Bw - 3 to 10 inches: loam Bkkm1 - 10 to 16 inches: cemented material Bkkm2 - 16 to 80 inches: cemented material

# **Properties and qualities**

Slope: 0 to 3 percent
Depth to restrictive feature: 4 to 18 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.01 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 95 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

# Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7s Hydrologic Soil Group: D Ecological site: R077DY049TX - Very Shallow 12-17" PZ Hydric soil rating: No

## **Description of Lea**

#### Setting

Landform: Plains Down-slope shape: Convex Across-slope shape: Linear Parent material: Calcareous, loamy eolian deposits from the blackwater draw formation of pleistocene age over indurated caliche of pliocene age

## **Typical profile**

A - 0 to 10 inches: loam Bk - 10 to 18 inches: loam Bkk - 18 to 26 inches: gravelly fine sandy loam Bkkm - 26 to 80 inches: cemented material

## **Properties and qualities**

Slope: 0 to 3 percent
Depth to restrictive feature: 22 to 30 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 90 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 3.0
Available water supply, 0 to 60 inches: Very low (about 2.9 inches)

#### Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7s Hydrologic Soil Group: D Ecological site: R077DY047TX - Sandy Loam 12-17" PZ Hydric soil rating: No

# **Minor Components**

#### Douro

Percent of map unit: 12 percent Landform: Plains Down-slope shape: Linear Across-slope shape: Linear Ecological site: R077DY047TX - Sandy Loam 12-17" PZ Other vegetative classification: Unnamed (G077DH000TX) Hydric soil rating: No

#### Kenhill

Percent of map unit: 12 percent Landform: Plains Down-slope shape: Linear Across-slope shape: Linear Ecological site: R077DY038TX - Clay Loam 12-17" PZ Hydric soil rating: No

.

# Custom Soil Resource Report

# Spraberry

Percent of map unit: 6 percent Landform: Playa rims, plains Down-slope shape: Convex, linear Across-slope shape: Linear Ecological site: R077DY049TX - Very Shallow 12-17" PZ Other vegetative classification: Unnamed (G077DH000TX) Hydric soil rating: No

# SLO Seed Mix

# 1 REVEGETATION PLANS

The following Revegetation Plans were developed for revegetation of sites in southeastern New Mexico. To determine which revegetation plan is appropriate follow procedures in the section titled Determining the Revegetation Plan.

Revegetation Plans contain seed mixtures, as well as seed bed preparation and planting requirements. The detailed instructions for seedbed preparation and planting can be found in the section Revegetation Techniques.

REVEGTATION PLANS	CODE	SOIL TEXTURES
Clay	С	Clay, Silty Clay, Stony Silty Clay, Clay Loam, Silty Clay Loam (including saline and sodic Clay soils)
Loam	L	Silty Loam, Cobbly Silt Loam, Stony Silt Loam, Silt, Loam, Sandy, Clay Loam
Sandy Loam	SL	Very Fine Sandy Loam, Fine Sandy Loam, Cobbly Fine Sandy Loam, Sandy Loam, Cobbly Sandy Loam, Gravelly Fine Sandy Loam, Very Gravelly Fine Sand Loam, Stony Fine Sandy Loam, Stony Sandy Loam
Shallow	SH	Rocky Loam, Cobbly Loam
Course	CS	Gravelly Loam, very Gravelly Loam, Gravelly Sandy Loam, Very Gravelly Sandy Loam, Stony Loam, Stony Sandy Loam
Sandy	S	Loamy Fine Sand, Loam Sand, Very Gravelly Loamy Fine Sand
Blow Sand	BS	Fine Sand, Sand, Coarse Sand
Mountain Meadow	MM	Clay, Loam
Mountain Upland	MU	Clay Loam, Loam

Table 3 - Revegetation Plans, Codes, and Soil Types for Southeastern New Mexico



Version 1 - 200808

New Mexico State Land Office Southeastern New Mexico Revegetation Handbook

# **NMSLO Seed Mix**

# Loamy (L)

# LOAMY (L) SITES SEED MIXTURE:

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX	
Grasses:				
Black grama	VNS, Southern	1.0	D	
Blue grama	Lovington	1.0	D	
Sideoats grama	Vaughn, El Reno	4.0	F	
Sand dropseed	VNS, Southern	2.0	S	
Alkali sacaton	VNS, Southern	1.0		
Little bluestem	Cimarron, Pastura	1.5	F	
<u>Forbs:</u> Firewheel ( <i>Gaillardia</i> )	VNS, Southern	1.0	D	
Shrubs:				
Fourwing saltbush	🔍 Marana, Santa Rita 🧹	1.0		
Common winterfat	VNS, Southern	0.5	F	
	Total PLS/acr	re 18.0	S B	

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box VNS = Variety Not Stated, PLS = Pure Live Seed

- Seed mixes should be provided in bags separating seed types into the three categories: small (S), standard (D) and fluffy (F).
- VNS, Southern Seed should be from a southern latitude collection of this species.
- Double seed application rate for broadcast or hydroseeding.
- If one species is not available, contact the SLO for an approved substitute; alternatively the SLO may require other species proportionately increased.
- Additional information on these seed species can be found on the USDA Plants Database website at <a href="http://plants.usda.gov">http://plants.usda.gov</a>.



District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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

District III

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

District IV

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

Released to Imaging: 5/17/2022 4:32:39 PM

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

CONDITIONS

Operator:	OGRID:
CONOCOPHILLIPS COMPANY	217817
600 W. Illinois Avenue	Action Number:
Midland, TX 79701	97930
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Create By	I Condition	Condition Date
jnobu	Remediation Plan Approved with Conditions. Composite confirmation samples will be collected from the bottom and sidewall of the excavation from areas representing no more than four hundred (400) square feet.	5/17/2022

Action 97930

.