

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 NAPP2129936218

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 32.789948°, -103.44811°. 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 October 12, 2021. The release occurred as the result of a flowline failure due to corrosion. A previous release had occurred in the area. The released fluids were partially contained within the existing remediation excavation for a prior 2020 release. Approximately 7 barrels (bbls) of crude oil and 128 bbls of produced water were released, of which approximately 0 bbls of crude oil and 0 bbls of produced water were recovered. The New Mexico Oil Conservation District (NMOCD) received and approved the C-141 report form for the release on October 26, 2021. The NMOCD Incident ID for the release is NAPP2129936218.

As mentioned, a portion of the release associated with incident ID NAPP2129936218 occurred within an excavated area related to an earlier release which occurred on January 2, 2020. The January 2020 release (incident ID NRH2003532478) footprint was excavated to depths ranging from 1 to 3 feet below ground surface (bgs). A separate Release Characterization and Remediation Work Plan addressing incident ID NRH2003532478 will be submitted to the NMOCD via the fee application portal. With like correspondence from NMOCD, COP proposes to remediate both releases concurrently.

#### 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.

ConocoPhillips

Release Characterization and Remediation Work Plan April 12, 2022

According to the New Mexico Office of the State Engineer (NMOSE) reporting system, there are eight water well within ½ mile (800 meters) of the Site. The wells have an average depth to groundwater of 60 feet bgs. The site characterization data is included in Appendix B.

#### **REGULATORY FRAMEWORK**

Based upon the release footprint 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 levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chloride 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 RRALs for surface soils (0-4 ft 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**

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 2021. Under the guidance of COP, McNabb Partners removed approximately 6 inches of visually impacted material from the entire release footprint, where accessible. Approximately 218 cubic yards of material was removed and properly disposed. Waste manifests are included in Appendix C.

In response to the January 2020 release, the western portion of the 2020 release footprint was excavated to a depth of 3 feet bgs, and the eastern portion was excavated to 1-foot bgs. Approximately 256 cubic yards of material was removed and properly disposed. Approximate release extent and initial response extents are shown in Figure 3.

#### SITE ASSESSMENT ACTIVITIES

Tetra Tech personnel were onsite to delineate and sample the release area footprint on February 16 and 17, 2022, returning on 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 4.

A total of fifty-five (55) soil samples were collected from the 17 boring locations. These samples were submitted Cardinal Laboratories (Cardinal) to be analyzed for Total Petroleum Hydrocarbons (TPH) via Method 8015 Modified, chloride via Method SM4500Cl-B, and benzene, toluene, ethylbenzene and xylenes

Release Characterization and Remediation Work Plan April 12, 2022

(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 5. 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 bottom and sidewall samples will be collected for verification of remedial activities, and analyzed for TPH, BTEX, and chloride. 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 2,400 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 6. Twenty-five (25) confirmation floor samples and thirty-four (34) confirmation sidewall samples are proposed for verification of remedial activities. The proposed excavation encompasses a surface area of approximately 18,500 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). Once results are received, NMOCD will be notified and the excavation will then be backfilled with clean material to surface grade.

#### **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 contacted to determine an effective method for eradication. If the site does not show revegetation after one

Release Characterization and Remediation Work Plan April 12, 2022

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 NRH2003532478 will be submitted simultaneously with this Remediation Work Plan for incident ID NAPP2129936218. 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, 2022

#### List of Attachments

#### Figures:

- Figure 1 Site Location Map
- Figure 2 Topographic Map
- Figure 3 Approximate Release Extent and Initial Response
- Figure 4 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

ConocoPhillips

# FIGURES





**Released to Imaging: 5/17/2022 4:26:32 PM** 



Received by OCD: 4/12/2022 2:52:30 PM







Released to Imaging: 5/17/2022 4:26:32 PM

# TABLES

#### TABLE 1 SUMMARY OF ANALYTICAL RESULTS SOIL ASSESSMENT -2021 RELEASE - NAPP2129936218 CONOCOPHILLIPS EVGSAU 3440-002 FLOWLINE RELEASES

Released to Imaging: 5/17/2022 4:26:32 PM

							LVUJA	0 544	0-002 F			EASE	3						'PH <sup>3</sup>		
		Sample Depth	Chlorid	de <sup>1</sup>					BIEA						GRO		DRO		EXT DI	RO	Total TPH
Sample ID	Sample Date				Benzei	ne	Toluer	ne	Ethylben	zene	Total Xyle	enes	Total B	TEX	C <sub>6</sub> - C <sub>1</sub>		> C <sub>10</sub> -		> C <sub>28</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/ 1// 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
		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		153
		4-5	352		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
BH-22-03	2/17/2022	6-7	1,480		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
		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		-
BH-22-04	2/17/2022	4-5	192		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
		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		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		< 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 19-20	48.0 < 16.0		< 0.050		< 0.050 < 0.050		< 0.050 < 0.050		< 0.150		< 0.300		< 10.0 < 10.0		93.7 < 10.0		< 10.0 < 10.0		93.7
		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
BH 22.00	2/16/2022	4-5	3,360		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0	<u> </u>	< 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 14-15	240 112		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0 < 10.0		< 10.0 < 10.0		< 10.0		-
		14-15	32.0	+	< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0	<u> </u>	< 10.0		-
				1	I	I	1	I		I	l					I	1	<u> </u>	1. T		-
DU 22.07	2/46/2022	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	<u> </u>	< 10.0		-
		4-5	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-

#### TABLE 1 SUMMARY OF ANALYTICAL RESULTS SOIL ASSESSMENT -2021 RELEASE - NAPP2129936218 CONOCOPHILLIPS EVGSAU 3440-002 FLOWLINE RELEASES

									BTEX			-	-					т	PH <sup>3</sup>		
Sample ID	Sample Date	Sample Depth	Chlorid	e1	Benzer		Toluer		Ethylben	1000	Total Xyl	0005	Total BT	τ	GRO		DRO		EXT D	RO	Total TPH
Sample ID	Sample Date				Delizer		Tolder		Luiyiben	lene	TOtal Ayl	enes	Total Di		C <sub>6</sub> - C <sub>1</sub>	.0	> C <sub>10</sub> - 0	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

- Diesel range organics DRO
- Method SM4500CI-B 1
- 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.

Page 15 of 214

Received by OCD: 4/12/2022 2:52:30 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	
District RP	
Facility ID	
Application ID	

## **Release Notification**

## **Responsible Party**

Responsible Party	ConocoPhillips	OGRID	
Contact Name	Kelsy Waggaman	Contact Telephone	(432) 688 - 9057
Contact email	Kelsy.Waggaman@ConocoPhillips.com	Incident # (assigned by OCD)	NAPP2129936218
Contact mailing address	600 West Illinois Avenue, Midlar	nd, Texas 79701	

### **Location of Release Source**

Latitude

32.789948

Longitude \_\_\_ -103.44811

Volume/Weight Recovered (provide units)

(NAD 83 in decimal degrees to 5 decimal places)

Site Name		EVGSAU 3		Site Type F	lowline	
Date Release	Discovered	October 12	, 2021		API# (if applicable)	
Unit Letter	Section	Township	Range		County	
K	34	17S	35E		Lea	

Surface Owner: State Federal Tribal Private (*Name:* 

## **Nature and Volume of Release**

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below) Crude Oil Volume Released (bbls) Volume Recovered (bbls) 7 0 Produced Water Volume Released (bbls) Volume Recovered (bbls) 128 0 Is the concentration of dissolved chloride in the Yes No produced water >10,000 mg/l? Condensate Volume Released (bbls) Volume Recovered (bbls) Natural Gas Volume Released (Mcf) Volume Recovered (Mcf)

Cause of Release

Other (describe)

The release was caused by a flowline failure due to corrosion.

Volume/Weight Released (provide units)

The release was in the pasture. A vacuum truck was dispatched to remove all freestanding fluids. Concho will evaluate the site to determine if we may commence remediation immediately or delineate any possible impact from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation activities.

Page dgeof 214

Page	2
1 age	4

Oil Conservation Division

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? The volume released was greater than 25 barrels.								
🗌 Yes 🗌 No									
If YES, was immediate n	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?								
	Immediate notice was given by Kelsy Waggaman via e-mail October 13, 2021 at 7:48 am to ocd.enviro@state.nm.us.								

## **Initial Response**

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

The source of the release has been stopped.

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

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

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

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

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

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

Printed Name. Brittany N. Esparza	Title: Environmental Technician
Signature:	Date: <u>10/26/2021</u> Telephone: <u>(432) 221-0398</u>
OCD Only Received by: Ramona Marcus	Date: 11/1/2021

— Received by OCD: 4/12/202272	Release Disco	very Date & Time:	7:00 A.M. 10/12/21						Page 19 of 214
Received by OCD. HALMADAADA		Release Type:	Oil Mixture					NAPP2129936218	I uge uge of all
Provide	any known detail	s about the event:	2 in flowline leak ca	ausing a leak of produced water and	produced oil to spill off pad. MSO isolate	d leak by closing flow	vline valve at wellhead a	and at header. Vac. True	k 70 bbls recovered.
				Spill Calculation -	Subsurface Spill - Rectangle				
N	Was the release of	on pad or off-pad?			On Pad - 10.5%; Off Pad - 15.12%	soil spilled-fluid satur	ration factor		
Has it rained at lea	ast a half inch in	the last 24 hours?		Yes, On	Pad - 8%; Off Pad - 13.57% soil spilled-f	luid saturation factor	; if No, use factors abov	ve.	
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	165.0	48.0	1.00	15.12%	117.480	17.763	5.00%	0.888	16.875
Rectangle B	219.0	23.0	1.00	15.12%	74.716	11.297	5.00%	0.565	10.732
Rectangle C	303.0	12.0	3.00	15.12%	161.802	24.464	5.00%	1.223	23.241
Rectangle D					0.000	0.000	0.00%	0.000	0.000
Rectangle E			j.		0.000	0.000	0.00%	0.000	0.000
Rectangle F	(i)				0.000	0.000		0.000	0.000
Rectangle G					0.000	0.000		0.000	0.000
Rectangle H					0.000	0.000		0.000	0.000
Rectangle I			1		0.000	0.000		0.000	0.000
Rectangle 1 — Released to Imaging: 5/17/202	2 4.26.22 DM				0.000	0.000		0.000	0.000
- Receased to Imaging. 3/11/202	14 7.40.34 I WI			2	Total Volume Release:	53.524		2.676	50.848

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

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

District III

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

District IV

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

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

CONDITIONS
------------

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	57922
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
rmarcus	None	11/1/2021

CONDITIONS

Page 2@cof 214

Action 57922

Received by OCD: 4/12/2022 2:52:30 PM Form C-141 State of New Mexico

Oil Conservation Division

	Page 21 of 21
Incident ID	NAPP2129936218
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.

<b>Received by OCD: 4/12/2022 2:5</b> Form C-141	2:30 PM			Page 22 of 214
			Incident ID	NAPP2129936218
Page 4	Oil Conservation Division		District RP	
			Facility ID	
			Application ID	
regulations all operators are require public health or the environment. T failed to adequately investigate and addition, OCD acceptance of a C-14 and/or regulations. Printed Name:Sam Widm Signature:Sam Widm Signature:Sam Widmer@conoc	a given above is true and complete to the d to report and/or file certain release not The acceptance of a C-141 report by the G remediate contamination that pose a thre 41 report does not relieve the operator of ther cophillips.com	ifications and perform co OCD does not relieve the eat to groundwater, surfa	rrective actions for rele operator of liability sh ce water, human health iance with any other fe pal Program Mana 22	eases which may endanger ould their operations have or the environment. In deral, state, or local laws
OCD Only Received by:		Date:		

Received by OCD: 4/12/2022 2:52:30 PM Form C-141 State of New Mexico

Incident ID	NAPP2129936218
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

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

<b><u>Deferral Requests Only</u></b> : 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.	oduction 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 co- which may endanger public health or the environment. The acceptar 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	ertain release notifications and perform corrective actions for releases nee of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, neceptance of a C-141 report does not relieve the operator of
Printed Name: Sam Widmer	Title:Principal Program Manager
Signature:	Telephone:281-206-5298
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 water right file.)	(R=POD been rep) O=orpha C=the fil closed)	laced, ned,		· •				V 2=NE	3=SW 4=SI	E) JAD83 UTM in m	eters)	(In fe	eet)	
6 )	closed)	POD		(qu	14110		Sinan	251 10 141	gest) (I		eters)	(III K		
		Sub-		Q	2 0	2							W	Vater
POD Number	Code	basin	County	64 1	64			Rng	Х	Y	DistanceDep	-		olumn
<u>L 04775</u>		L	LE	4	4 1	34	17S	35E	645365	3629421* 🌍	422	133	68	65
<u>L 04727</u>		L	LE			34	17S	35E	645576	3629214* 🌍	434	120	45	75
<u>L 04793</u>		L	LE			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
L 05834 POD6		L	LE	1 1	14	34	17S	35E	645673	3629122* 🌍	501	234	65	169
<u>L 05834</u>	R	L	LE	2 2	2 4	33	17S	35E	644663	3629109* 🌍	518	160	70	90
L 05834 POD5		L	LE	2 2	2 4	33	17S	35E	644663	3629109* 🌍	518	234	65	169
<u>L 04633</u>		L	LE	2	2 4	33	17S	35E	644564	3629010* 🌍	614	130	65	65
										Averag	ge Depth to Wate	er:	60 fee	et
											Minimum De	pth:	45 fee	et
											Maximum Dep	oth:	70 fee	et
Record Count: 8														
UTMNAD83 Radius	s Search (ii	n meters	) <u>:</u>											
<b>Easting (X):</b> 645	5177.447		North	ning (	Y):	3629	042.15	52		<b>Radius:</b> 800				
*UTM location was derived	from PLSS	- see Helj	)											
The data is furnished by the N	MOSE/ISC	and is ac	cepted by th	ne recij	oient	t with t	he expi	essed un	derstanding tl	hat the OSE/ISC ma	ke no warranties,	expressed or im	plied, concerr	ning the
accuracy, completeness, reliab	ility, usabilit	y, or suita	bility for an	ıy parti	cula	r purpo	ose of th	e data.						

3/3/22 9:54 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



## **OCD Water Bodies**



OCD District Offices PLJV Probable Playas



OSE Streams



New Mexico Oil Conservation Division



Released to Imaging: 5/17/2022 4:26:32 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 OCD: 4/12/2022 2:52:30 PM



### R360 Environmental Solutions, LLC Permian Basin Region

P.O. Box 3452 Hobbs, NM 88241

> Bill To CONOCOPHILLIPS P.O. BOX 2200 BARTLESVILLE, OK 74005

Date: Invoice #:

10/28/2021 C229007

Terms: Generator: Lease: Well: Rig: PO: Memo: Due Upon Receipt CONOCOPHILLIPS NORTH VACUUM ABO 3 NON-DRILLING

ltem	Qty	Desc	Price	Amount	Ticket	Date	Manifest #	3rd Party # Co. Man	Trucking Co
Contaminated Soil (RCRA	18 00		\$17 00	\$306.00	1244354	10/19/2021	NA	BRENT	MCNABB
Exempt)								SWIMMER	PARTNERS
Contaminated Soil (RCRA	18.00		\$17.00	\$306.00	1244416	10/19/2021	N/A	BRENT	MCNABB
Exempt)								SWIMMER	PARTNERS
Contaminated Soil (RCRA	18.00		\$17.00	\$306.00	1244513	10/19/2021	NA	BRENT	MCNABB
Exempt)								SWIMMER	PARTNERS
Contaminated Soil (RCRA	18.00		\$17.00	\$306 00	1244710	10/20/2021	NA	BRENT	MCNABB
Exempt)								SWIMMER	PARTNERS
Contaminated Soil (RCRA	18.00		\$17.00	\$306.00	1244772	10/20/2021	NA	BRENT	MCNABB
Exempt)								SWIMMER	PARTNERS
Contaminated Soil (RCRA	18.00		\$17.00	\$306.00	1244865	10/20/2021	N/A	BRENT	MCNABB
Exempt)								SWIMMER	PARTNERS
Contaminated Soil (RCRA	18.00		\$17.00	\$306.00	1245086	10/21/2021	NA	BRENT	MCNABB
Exempt)								SWIMMER	PARTNERS
Contaminated Soil (RCRA	20.00		\$17.00	\$340.00	1245094	10/21/2021	N/A	BRENT	MCNABB
Exempt)								SWIMMER	PARTNERS
Contaminated Soil (RCRA	18.00		\$17.00	\$306_00	1245151	10/21/2021	NA	BRENT	MCNABB
Exempt)								SWIMMER	PARTNERS
Contaminated Soil (RCRA	18.00		\$17.00	\$306.00	1245176	10/21/2021	535810	BRENT	MCNABB
Exempt)								SWIMMER	PARTNERS
Contaminated Soil (RCRA	18.00		\$17.00	\$306.00	1245241	10/21/2021	NA	BRENT	MCNABB
Exempt)								SWIMMER	PARTNERS
Contaminated Soil (RCRA	18.00		\$17.00	\$306 00	1245335	10/21/2021	NA	BRENT	MCNABB
Exempt)								SWIMMER	PARTNERS

TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY For wire instructions, contact your Account Executive.



P.O. Box 3452 Hobbs, NM 88241

**Bill To** 

## Invoice

Terms:

Lease: Well:

Rig:

PO: Memo:

10/28/2021 Date: C229007 Invoice #:

Due Upon Receipt CONOCOPHILLIPS Generator: NORTH VACUUM ABO 3 NON-DRILLING

CONOCOPHILLIPS P.O. BOX 2200 BARTLESVILLE, OK 74005		
Please Remit To	Subtotal:	\$3,706.00
R360-Permian Basin Region P.O.Box 671798	NM Sales Tax:	\$203.83
Dallas, TX 75267-1798 575-393-1079 (O); 575-393-3615(F)	Total:	\$3,909.83

### **Summary of Products & Services**

Product	Price	Quantity	Unit	Extended Price
Contaminated Soil (RCRA Exempt)	\$17.00	218.00	yards	\$3,706.00
Sales Tax (NM)	\$203.83	1.00	each	\$203.83

<b>Received by OCD:</b> 4/12/2022 2:52:30	РМ			Page 31 of 214		
ENVIRONMENTAL SOLUTIONS Permian Basin	Customer #: CR Ordered by: BR AFE #: PO #: Manifest #: NA Manif. Date: 10/ Hauler: MC	RI2190 RENT SWIMMER /19/2021 CNABB PARTNERS JMER 32	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County			
Facility: CRI						
Product / Service		Quantity Ur	nits			
Contaminated Soil (RCRA Exemp	18.00 y	18.00 yards				
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						
Driver/Agent Signature		R360 Representative Sig				
Customer Approval						
THIS IS NOT AN INVOICE!						
Approved By:		Date:				

## 16UJ9A01KO2A

.

#### *Received by OCD: 4/12/2022 2:52:30 PM*



Permian Basin

Customer: -CONOCOPHILLIPS Customer #: CRI2190 Ordered by: ZACK LUIKENS AFE #: PO #: Manifest #: N/A Manif, Date: 10/19/2021 MCNABB PARTNERS Hauler: Driver GUMER Truck # M32 Card # Job Ref#

Ticket #:	700-1244416
Bid #:	O6UJ9A000HH0
Date:	10/19/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	999908
Well Name:	NORTH VACUUM ABO
Well #:	3
Field:	
Field #:	
Rig:	NON-DRILLING
County	

Facility: CRI

**Product / Service** 

Contaminated Soil (RCRA Exempt)

#### **Quantity Units**

18.00 yards

#### **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 10

**Customer** Approval

R860 Representative Signature

## THIS IS NOT AN INVOICE!

Approved By:

Date:

46UJ9A01KQ9S

.

<b>Received by OCD: 4/12/2022 2:52:30</b>	РМ			Page 33 of 214
ENVIRONMENTAL SOLUTIONS	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	BRENT SWIMMER	Ticket #: Bid #: Date: Generator: Well Ser, #: Well Name: Well Name: Well #: Field: Field #: Rig: County	30
Facility: CRI				
Product / Service		Quantity	Units	
Contaminated Soil (RCRA Exemp	ot)	18.0	0 yards	

#### **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	<u> </u>
	THIS IS NOT AN INVOICE!
Approved By:	Date:
t6UJ9A01KQGE	10/19/2021 1:53:58PM

#### Received by OCD: 4/12/2022 2:52:30 PM

ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	CONOCOPHILLIPS CRI2190 BRENT SWIMMER NA 10/20/2021 MCNABB PARTNERS GUMER M32	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County	700-1244710 OGUJ9A000HH0 10/20/2021 CONOCOPHILLIPS 999908 NORTH VACUUM ABO 3
Facility: CRI				
Product / Service		Quantity U	nits	
Contaminated Soil (RCRA Exemp	t)	18.00	yards	X
Generator Certification Statement I hereby certify that according to the Re 1988 regulatory determination, the abov X RCRA Exempt: Oil Field wastes ge RCRA Non-Exempt: Oil field waste	source Conserv e described wa nerated from oi	ration and Recovery Act (RCRA) and ste is:	operations and	are not mixed with non-exempt was

\_\_\_ 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	
Geenry Rdy		
Customer Approval	Y	
	THIS IS NOT AN INVOICE!	ſ

Approved By:	Ap	pro	ved	By:
--------------	----	-----	-----	-----

Date:

#### Released to Imaging: 5/17/2022 4:26:32 PM

Received by OCD: 4/12/2022 2:52:30	PM		Page 35 of 214
FR360 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: CONOCOPHI Customer #: CRI2190 Ordered by: BRENT SWIW AFE #: PO #: Manifest #: NA Manif. Date: 10/20/2021 Hauler: MCNABB PAR Driver GUMER Truck # M32 Card # Job Ref #	Bid #: Bid #: Date: Generator: Generator # Well Ser. #: Well Name:	999908
Facility: CRI			
Product / Service		Quantity Units	
Contaminated Soil (RCRA Exemp	ot)	18.00 yards	
I hereby certify that according to the R 1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes ge RCRA Non-Exempt: Oil field wast characteristics established in RCRA reg amended. The following documentatio MSDS Information RCRA H Driver/ Agent Signature	ve described waste is: enerated from oil and gas explora te which is non-hazardous that de gulations, 40 CFR 261.21-261.24 on is attached to demonstrate the a azardous Waste AnalysisP	ation and production operations and bes not exceed the minimum standa or listed hazardous waste as defined above-described waste is non-hazar	l are not mixed with non-exempt wast rds for waste hazardous by 1 in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items):
Customer Approval	THIS IS NOT	AN INVOICE	
16UJ9A01KQW0			10/20/2021 10:42:45AM

.

### Released to Imaging: 5/17/2022 4:26:32 PM

#### Received by OCD: 4/12/2022 2:52:30 PM

Permian Basin

Customer: Customer #: CRI2190 Ordered by: BRENT SWIMMER AFE #: PO #: Manifest #: N/A Manif. Date: 10/20/2021 Hauler: MCNABB PARTNERS Driver GUMER Truck # 32 Card # Job Ref#

CONOCOPHILLIPS

700-1244865 Ticket #: Bid #: O6UJ9A000HH0 Date: 10/20/2021 Generator: CONOCOPHILLIPS Generator #: Well Ser. #: 999908 Well Name: NORTH VACUUM ABO Well #: 3 Field: Field #: Rig: NON-DRILLING County

Facility: CRI

**Product / Service** 

Contaminated Soil (RCRA Exempt)

#### **Quantity Units**

18.00 yards

**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 wast \_\_ 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** 

360 Representative Signature

## THIS IS NOT AN INVOICE!

Approved By:

Date:

(6UJ9A01KR21

10/20/2021 1:46:46PM
ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	BRENT SWIMMER	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well Name: Well #: Field: Field #: Rig: County		l
Facility: CRI					
Product / Service		Quantity	y Units		
Contaminated Soil (RCRA Exem	pt)	18.	00 yards		
1988 regulatory determination, the abc X RCRA Exempt: Oil Field wastes g RCRA Non-Exempt: Oil field wastes characteristics established in RCRA re amended. The following documentation MSDS Information RCRA F Driver/ Agent Signature	enerated from o te which is non- gulations, 40 CF on is attached to	il and gas exploration and producti hazardous that does not exceed the R 261,21-261.24 or listed hazardou demonstrate the above-described v	e minimum standar us waste as defined waste is non-hazar e Other (Prov	ds for waste hazardous by I in 40 CFR, part 261, subpart dous. (Check the appropriate i	D, as
Juny Rdin					
Customer Approval			12		
Approved By:	THI	S IS NOT AN INVO	ICE!		
ă ,					
t6UJ9A01KRCQ				10/21/2021 8:38:20	MAC

### Released to Imaging: 5/17/2022 4:26:32 PM

Received by OCD: 4/12/2022 2:52:30 PM

Page 37 of 214



Permian Basin

Customer: CONOCOPHILLIPS Customer #: CRI2190 Ordered by: BRENT SWIMMER AFE #: PO #: Manifest #: N/A Manif. Date: 10/21/2021 MCNABB PARTNERS Hauler: Driver JOSE Truck # 82 Card # Job Ref #

Ticket #: 700-1245094 Bid #: O6UJ9A000HH0 10/21/2021 Date: Generator: CONOCOPHILLIPS Generator # 999908 Well Ser. #: Well Name: NORTH VACUUM ABO Well #: 3 Field: Field #: Rig: NON-DRILLING County

Facility: CRI

Product / Service

Contaminated Soil (RCRA Exempt)

#### **Quantity Units**

20.00 yards

**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 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:

協UJ9A01KRDA

	Customer:	CONOCOPHILLIPS		Ticket #:	700-1245	151	
	Customer #:	CRI2190		Bid #:	O6UJ9A0	00HH0	
	Ordered by:	BRENT SWIMMER		Date:	10/21/2021		
	AFE #:			Generator:	CONOCO	PHILLIPS	
	PO #:			Generator #:			
ENVIRONMENTAL	Manifest #:	NA		Well Ser. #:	999908		
SOLUTIONS	Manif. Date:	10/21/2021		Well Name:	NORTH V	ACUUM A	BO
Permian Basin	Hauler:	MCNABB PARTNEF	IS	Well #:	3		
i onnar busin	Driver	GUMER		Field:			
	Truck #	M32		Field #:			
	Card #			Rig:	NON-DRII	LLING	
	Job Ref #			County			
Facility: CRI							
Product / Service		and the second second	Quantity L	Jnits			
Contaminated Soil (RCRA Exemp	ot)		18.00	yards			
Cell pH	CI Con	d. %Solids TD	S PCI/GN	MR/HR	H2S	% Oil	Weight
Lab Analysis: 50/51 0.00	0.00 0.0	0 0		3.00			

#### **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:

Driver/ Agent Signature	R360 Representative Signature /	
Jumy Rdy		
Customer Approval	V.	
Т	HIS IS NOT AN INVOICE!	

Date:

Approved By:	1)

tS	UJ	9A	01	KR	ΗZ

10/21/2021 10:41:31AM

Received by OCD: 4/12/2022 2:5.	2:30 PM			Page 40 d
ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	BRENT SWIMMER 535810	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-1245176 OGUJ9A000HH0 10/21/2021 CONOCOPHILLIPS 999908 NORTH VACUUM ABO 3
Facility: CRI				
Product / Service		Quan	tity Units	
Contaminated Soil (RCRA Ex	empt)		18.00 yards	
<ul> <li>RCRA Non-Exempt: Oil field characteristics established in RCR.</li> </ul>	the Resource Conser- above described was es generated from o waste which is non- A regulations, 40 CF tation is attached to	vation and Recovery Act (RCRA iste is: il and gas exploration and produ hazardous that does not exceed 'R 261.21-261.24 or listed hazard demonstrate the above-describe	iction operations and the minimum standar dous waste as defined ed waste is non-hazar	are not mixed with non-exempt wasted ds for waste hazardous by in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items):
Driver/ Agent Signature	ud	R360 Representati	ive Signature	_
	*T*L11	S IS NOT AN INV		
V	1 1 1 1			

#### nio SINULAN INVOICE!

Approved By:	
--------------	--

Date:

Released to Imaging: 5/17/2022 4:26:32 PM

t6UJ9A01KRJP

10/21/2021 11:40 44AM

1360				Pho	one No. (575)	54-0445
		GENERATOR		NO.	53581	Ω
etatos No		Perma//i LeaseAV				
ersters Name Conoc	o Phillips	Namo S		North	Vacuum	ABO 3
fresh		County		Lea	50 3008	>
Star Inc.	110-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	Al4 No.		30020	0 3008	
, State, Zup was Ale		Rig Hans AFU/90 I		NIK	9	
- Marchan	ADY CED Marta Convice Identifier				<b>J</b>	
Based Istan	APT L&P Waste/Service Identificat NON-INFECTABLE WATE	the second se		EVEN HI SHIFPS OF C	cubic yaros)	
Hawar Cuttings ter Based Midd-	Washout Water (Non-Ir Completion Fluid/Flow			isbout Water (Injectai inpletion Fluid/Flow b		
rer Rased Grathups	Produced Water (Non-b	njectable)	Pro	ndored Water (tojecta	ulute)	
doced Formation Solats & Bottony.	Gothering Line Water/M INTERNAL USE ONLY	Vaste (Non Injectable)		thening Line Water/W IEB EXEMPT WASTES	(aste (Injectable) (type and seneration pro	cess of the waster
P Contaminated scal	Truck Washout (exempt	t waste)	-1			
STE GENERATION PROCESS:	DRILLING		PRO	ODUCTION	GATHER	ING LINES
	NON-EXE	MPT F&P Waste/Service identification	and Amount		por unit design of the second	
	exempt E&P waste must be analysed an	nd be below the threshold limits for too	icity (TCLP), ig	mitability Conosivity	and Reactivity	in the sea
Exempt Other		*please	select from N	lon-Exempt Waste Lis	st on back	
NTITY	B - BA	RRELS L - LIQUI	18	CY - YAR	2015	E - EACH
BOACKLINET: lond BCRA NON-EXEMPT: Off t 261 Iniza	I basis only) ield waste which is non-hazardous that 21-261.24, or listed hazardous waste a ardous is attached. [Check the appropri	is defined by 40 CFR, part 261, subpart	rds for waste I D. as amender	hazardous by characti d, The following docu er (Provide Descriptio	mentation demonstrà	RCRA regulations, 40 ting the waste as no
	I basis only) ield waste which is non-hazardous that 21-261.24, or listed hazardous waste a ardous is attached. [Check the appropri	t does not exceed the minimum standa is defined by 40 CFR, part 261, subpart ate items as provided) Hazardous Waste Analysis ste that has been ordered by the Depa	rds for waste I D. as amended	d. The following docu er (Provide Descriptio	mentation demonstrà on Below)	ting the waste as not
CRANON-EXEMPT: Load RCRANON-EXEMPT: Oil 1 261 1626 Control Co	I basis only) ield waste which is non-hazardous that 21-261.24, or listed hazardous waste a ardous is attached. (Check the appropri DS Information RCRA Information RCRA regency non-hazradous, non-oilfeild waster where the appropriate the waster information and a description of the w	I does not exceed the minimum standa is defined by 40 CFR, part 261, subpart late items as provided) Hazardous Waste Analysis ste that has been ordered by the Depa te must accompany this form	rds for waste I D. as amended C Other C Other	d. The following docu er (Provide Descriptio	mentation demonstrà on Below) documentation of non	ting the waste as no
CALINY EXCHANT: Iond Content of the	I basis only) ield waste which is non-hazardous that 21-261.24, or listed hazardous waste a ardous is attached. [Check the appropri DS Information RCRA ingency non-hazradous, non-oilfeild wa ingency non-hazradous, non-hazrado	A does not exceed the minimum standa is defined by 40 CFR, part 261, subpart late items as provided) Hazardous Waste Analysis ste that has been ordered by the Depa te must accompany this form USA	rds for waste I D. as amended I Other Itment of Public Itment	d. The following docu er (Provide Descriptio lic Safety (the order, c	mentation demonstrà on Below) documentation of non signature	ting the waste as no
EMERGENCY NON-OILFEILD: EMERGENCY non-oilfeil	I basis only) ield waste which is non-hazardous that 21-261.24, or listed hazardous waste a ardous is attached. (Check the appropri DS Information RCRA regency non-hazradous, non-oilfeild waster regency non-hazradous, non-hazrado	t does not exceed the minimum standa is defined by 40 CFR, part 261, subpart late items as provided) Hazardous Waste Analysis ste that has been ordered by the Depa te must accompany this form TRANSPORTER Driver's P Print Man Phone M	rds for waste I D. as amended I Othe Itment of Public Iame	d. The following docu er (Provide Descriptio lic Safety (the order, c	Intentation demonstration Below) documentation of non signature	ting the waste as no
PREASENCY NON-OILFEILD: EMERGENCY non-oilfeil	I basis only) ield waste which is non-hazardous that 21-261.24, or listed hazardous waste a ardous is attached. (Check the appropri DS Information RCRA) regency non-hazradous, non-oilfeild waster where the second of the waster the second of the second of the waster the second of the second of the second the second of the second of the second the second of the second of the second of the second the second of the second of	t does not exceed the minimum standa is defined by 40 CFR, part 261, subpart late items as provided) Hazardous Waste Analysis ste that has been ordered by the Depa te must accompany this form TRANSPORTER Driver's f Print Man Phone Ne Truck No	rds for waste I D. as amended Other timent of Public timent of Public timent lame	d. The following docu er (Provide Descriptio lic Safety (the order, c Lesse M (575) M - 8	Intentation demonstration demonstration demonstration of non documentation of non signature local signature lo	ting the waste as no
EMERGENCY NON-OILFEILD: EMERGENCY NON-OILFEILD: EMERGENCY NON-OILFEILD: Emergency non-oilfeild: Boorter's ess 4005 A Hotos	I basis only) ield waste which is non-hazardous that 21-261.24, or listed hazardous waste a ardous is attached. (Check the appropri DS Information RCRA regency non-hazradous, non-oilfeild waster regency non-hazradous, non-hazrado	t does not exceed the minimum standa is defined by 40 CFR, part 261, subpart late items as provided) Hazardous Waste Analysis ste that has been ordered by the Depa te must accompany this form TRANSPORTER Driver's f Print Man Phone Ne Truck No	rds for waste I D. as amended Other timent of Public timent of Public timent lame	d. The following docu er (Provide Descriptio lic Safety (the order, o lic Safety (the order)) (the observation (t	Intentation demonstration demonstration demonstration of non documentation of non signature local signature lo	ting the waste as no hazardous waste
EMERGENCY NON-OILFEILD: EMERGENCY NON-OILFEILD: EMERGENCY NON-OILFEILD: Emer Eme	I basis only) ield waste which is non-hazardous that 21-261.24, or listed hazardous waste a ardous is attached, (Check the appropri DS Information RCRA) regency non-hazratlous, non-oilfeild was regency non-hazratlous, non-hazratlous,	t does not exceed the minimum standa is defined by 40 CFR, part 261, subpart late items as provided) Hazardous Waste Analysis ste that has been ordered by the Depa te must accompany this form TRANSPORTER Driver's f Print Man Phone Ne Truck No	rds for waste I D. as amended of the standard of Public rement of Public r	d. The following docu er (Provide Description lic Safety (the order, or lic Safety (the order, or lic Safety (the order, or lic Safety (the order, or lic Safety (the order, o	Intentation demonstration demonstration demonstration of non signature	ting the waste as no h-hazardous waste
EMERGENCY NON-OILFEILD: EMERGENCY non-oilfeil	I basis only) ield waste which is non-hazardous that 21-261.24, or listed hazardous waste a ardous is attached. (Check the appropri DS Information RCRA) regency non-hazardous, non-oilfeild was remediated a desciption of the wast construction and a desciption and desciption and a desciption and a desciption and a desciptio	t does not exceed the minimum standa is defined by 40 CFR, part 261, subpart iate items as provided) Hazardous Waste Analysis ste that has been ordered by the Depa te must accompany this form Uay TRANSPORTER Driver's M Print Nan Phone M Truck No	rds for waste I D. as amended Other timent of Public timent of Public timent and time time time time time time time time	d. The following docu er (Provide Descriptio lic Safety (the order, o lic Safety (the order, o l	Intentation demonstration demonstration demonstration of non signature	ting the waste as no h-hazardous waste DD Mozene
Content of the second of the	I basis only) ield waste which is non-hazardous that 21-261.24, or listed hazardous waste a ardous is attached. (Check the appropri DS Information RCRA) regency non-hazardous, non-oilfeild was remediated a desciption of the wast construction and a desciption and desciption and a desciption and a desciption and a desciptio	t does not exceed the minimum standa is defined by 40 CFR, part 261, subpart late items as provided) Hazardous Waste Analysis ste that has been ordered by the Depo te must accompany this form Univer's for TRANSPORTER Driver's for Print Nam Phone Ne Truck No interator's site fisted above and deliver IX DISPOSAL FACILITY	rds for waste I D. as amended Other timent of Public timent of Public timent and time time time time time time time time	d. The following docu er (Provide Description lic Safety (the order, or lic Safety (the order, or lic Safety (the order, or lic Safety (the order, or lic Safety (the order, o	Intentation demonstration demonstration demonstration of non signature	ting the waste as no h-hazardous waste DD Mozene
Content of the second of the	I basis only) ield waste which is non-hazardous that 21-261.24, or listed hazardous waste a ardous is attached, [Check the appropri DS Information RCRA Information RCRA Information and a desciption of the wast Information and a desciption of	A does not exceed the minimum standa is defined by 40 CFR, part 261, subpart interitems as provided) Hazardous Waste Analysis ste that has been ordered by the Depa te must accompany this form USA TRANSPORTER Driver's P Print Nan Phone Ne Truck No interator's site fisted above and delivers []] DISPOSAL FACILITY Phone Ne	Interest of Public Control of	d. The following docu er (Provide Descriptio lic Safety (the order, o lic Safety (the order, o l	Intentation demonstration demonstration demonstration of non signature	ting the waste as no h-hazardous waste
	I basis only) ield waste which is non-hazardous that 21-261.24, or listed hazardous waste a ardous is attached, (Check the appropri DS Information RCRA) regency non-hazardous, non-oilfeild was remediated a desciption of the wast remediated a desc	t does not exceed the minimum standa is defined by 40 CFR, part 261, subpart interitems as provided) Hazardous Waste Analysis ste that has been ordered by the Depa te must accompany this form United State TRANSPORTER Driver's M Print Nan Phone State Truck No interator's site fisted above and delivers UNIT DISPOSAL FACILITY Phone No Phone No 22 11 YES, w NO	Interest of Public Control of	d. The following docu er (Provide Description lic Safety (the order, or safety (the orde	Intentation demonstration demonstration demonstration of non signature	ting the waste as no h-hazardous waste
	I basis only) ield waste which is non-hazardous that 21-261.24, or listed hazardous waste a ardous is attached. (Check the appropri DS Information RCRA) regency non-hazadous, non-oilfeild wastement on and a desciption of the wast regency non-hazadous, non-oilfeild wastement on and a desciption of the wast regency non-hazadous, non-oilfeild wastement on and a desciption of the wast regency non-hazadous, non-oilfeild wastement on and a desciption of the wast regency non-hazadous, non-oilfeild wastement on and a desciption of the wast regency non-hazadous, non-oilfeild wastement on and a desciption of the wast regency non-hazadous, non-oilfeild wastement on and a desciption of the wast regency non-hazadous, non-oilfeild wastement on and a desciption of the wast regency non-hazadous, non-oilfeild wastement on and a desciption of the wastement on and a desciption of the wastement of the wastement on and a desciption of the wastement on and a desciption of the wastement of the wastem	A does not exceed the minimum standa is defined by 40 CFR, part 261, subpart interitems as provided) Hazardous Waste Analysis ste that has been ordered by the Depa termust accompany this form U.S. ( TRANSPORTER Driver's M Print Nan Phone No Truck No interator's site fisted above and delivers U.S. DISPOSAL FACILITY Phone No	rds for waste I D, as amended The of Public	d. The following docu er (Provide Description lic Safety (the order, or safety (the orde	Intentation demonstration demonstration demonstration of non signature	ting the waste as nor hazardous waste
	I basis only) ield waste which is non-hazardous that 21-261.24, or listed hazardous waste a ardous is attached, (Check the appropri DS Information RCRA) regency non-hazardous, non-oilfeild was remediated a desciption of the wast remediated a desc	t does not exceed the minimum standa is defined by 40 CFR, part 261, subpart interitems as provided) Hazardous Waste Analysis ste that has been ordered by the Depa te must accompany this form United State TRANSPORTER Driver's M Print Nan Phone State Truck No interator's site fisted above and delivers UNIT DISPOSAL FACILITY Phone No Phone No 22 11 YES, w NO	rds for waste I D. as amended Timent of Public Tame Tame To the	d. The following docu er (Provide Descriptio lic Safety (the order, o Safety (the order, o Sa	Intentation demonstration on Below) documentation of non sid-tatuate Sid-tatua	ting the waste as nor hazardous waste
	I basis only) ield waste which is non-hazardous that 21-261.24, or listed hazardous waste a ardous is attached. (Check the appropri DS Information RCRA) regency non-hazadous, non-oilfeild wastement on and a desciption of the wast regency non-hazadous, non-oilfeild wastement on and a desciption of the wast regency non-hazadous, non-oilfeild wastement on and a desciption of the wast regency non-hazadous, non-oilfeild wastement on and a desciption of the wast regency non-hazadous, non-oilfeild wastement on and a desciption of the wast regency non-hazadous, non-oilfeild wastement on and a desciption of the wast regency non-hazadous, non-oilfeild wastement on and a desciption of the wast regency non-hazadous, non-oilfeild wastement on and a desciption of the wast regency non-hazadous, non-oilfeild wastement on and a desciption of the wastement on and a desciption of the wastement of the wastement on and a desciption of the wastement on and a desciption of the wastement of the wastem	t does not exceed the minimum standa is defined by 40 CFR, part 261, subpart interitems as provided) Hazardous Waste Analysis ste that has been ordered by the Depa te must accompany this form United State TRANSPORTER Driver's M Print Nan Phone State Truck No interator's site fisted above and delivers UNIT DISPOSAL FACILITY Phone No Phone No 22 11 YES, w NO	rds for waste I D. as amended Timent of Public Tame Tame Tame Tame Tame Tame Tame Tame	d. The following docu er (Provide Description lic Safety (the order, or Safety (the orde	Intentation demonstration demonstration demonstration of non signature	ting the waste as nor hazardous waste
	I basis only) ield waste which is non-hazardous that 21-261.24, or listed hazardous waste a ardous is attached. (Check the appropri DS Information RCRA) regency non-hazadous, non-oilfeild wastement on and a desciption of the wast regency non-hazadous, non-oilfeild wastement on and a desciption of the wast regency non-hazadous, non-oilfeild wastement on and a desciption of the wast regency non-hazadous, non-oilfeild wastement on and a desciption of the wast regency non-hazadous, non-oilfeild wastement on and a desciption of the wast regency non-hazadous, non-oilfeild wastement on and a desciption of the wast regency non-hazadous, non-oilfeild wastement on and a desciption of the wast regency non-hazadous, non-oilfeild wastement on and a desciption of the wast regency non-hazadous, non-oilfeild wastement on and a desciption of the wastement on and a desciption of the wastement of the wastement on and a desciption of the wastement on and a desciption of the wastement of the wastem	t does not exceed the minimum standa is defined by 40 CFR, part 261, subpart interitems as provided) Hazardous Waste Analysis ste that has been ordered by the Depa te must accompany this form United State TRANSPORTER Driver's M Print Nan Phone State Truck No interator's site fisted above and delivers UNIT DISPOSAL FACILITY Phone No Phone No 22 11 YES, w NO	rds for waste I D. as amended Timent of Public Tame Tame Tame Tame Tame Tame Tame Tame	d. The following docu er (Provide Description lic Safety (the order, or ic Safety (the or ic Saf	Intentation demonstration on Below) documentation of non sid-tatuate Sid-tatua	ting the waste as nor hazardous waste
	I basis only) ield waste which is non-hazardous that 21-261.24, or listed hazardous waste a ardous is attached, (Check the appropri DS Information RCRA) regency non-hazardous, non-oilfeild was remediated a desciption of the wast remediated a desc		rds for waste I D. as amended Timent of Public Tame Tame Tame Tame Tame Tame Tame Tame	d. The following docu er (Provide Description lic Safety (the order, or Safety (the orde	Intentation demonstration on Below) documentation of non sid-tatuate Sid-tatua	ting the waste as nor hazardous waste
	I basis only) ield waste which is non-hazardous that 21-261.24, or listed hazardous waste a ardous is attached, (Check the appropri DS Information RCRA) regency non-hazardous, non-oilfeild was remediated a desciption of the wast remediated a desc		rds for waste I D. as amended Timent of Public Tame To Tame Tame Tame Tame Tame Tame Tame Tame	d. The following docu er (Provide Description lic Safety (the order, or Safety (the orde	Intentation demonstration on Below) documentation of non sid-tatuate Sid-tatua	ting the waste as no hazardous waste DD Motent A NO NO

Released to Imaging: 5/17/2022 4:26:32 PM

Received	by	OCD:	4/12/2	2022 2	2:52:30	PM
----------	----	------	--------	--------	---------	----

<b>Received by OCD: 4/12/2022 2:52:30</b>	PM			Page 42 of
PB360 ENVIRONMENTAL SOLUTIONS Permian Basin	AFE #: PO #: Manifest #:	BRENT SWIMMER	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	999908
Facility: CRI				
Product / Service		QL	antity Units	
Contaminated Soil (RCRA Exemp	et)		18.00 yards	
1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes ge RCRA Non-Exempt: Oil field waste characteristics established in RCRA reg amended. The following documentatio MSDS Information _ RCRA H Driver/ Agent Signature	enerated from o e which is non- gulations, 40 CF n is attached to	il and gas exploration and pu hazardous that does not exec FR 261.21-261.24 or listed ha demonstrate the above-dese e Analysis Process Kno	eed the minimum standar izardous waste as defined ribed waste is non-hazar	rds for waste hazardous by I in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items):
Customer Approval 🦯	тні	S IS NOT AN IN	IVOICE!	
Approved By:		Da	ate:	

10/21/2021 1:43 19PM

•

Received by OCD: 4/12/2022 2:52:30	PM			Page 43 of 214
ENVIRONMENTAL SOLUTIONS	Customer # CRI21 Ordered by: BREN AFE #: PO #: Manifest #: NA Manif. Date: 10/21/	T SWIMMER 2021 BB PARTNERS		700-1245335 OGUJ9A000HH0 10/21/2021 CONOCOPHILLIPS 999908 NORTH VACUUM ABO 3
Facility: CRI				
Product / Service	and the second	Quanti	ty Units	
Contaminated Soil (RCRA Exemp	ot)		3.00 yards	
RCRA Non-Exempt: Oil field wast characteristics established in RCRA reg amended. The following documentatio MSDS Information	gulations, 40 CFR 261.2 n is attached to demonst	1-261.24 or listed hazardo trate the above-described	us waste as defined waste is non-hazard ge Other (Prov	in 40 CFR, part 261, subpart D, as lous. (Check the appropriate items):
	THIS IS	NOT AN INVC		
Approved By:		Date: _		<u></u>
				2
t6UJ9A01KRS9				10/21/2021 4 43:58PM

.

# APPENDIX D Soil Boring Logs

212C-N	MD-02499	Tł	TET	RATE	сн				LO	G OF BORING BH-22-1		Page 1 of 2
Project N	Name: EV0	GSAU 34	40-00	02 Flov	vline	Rele	ase					
Borehole	Borehole Location:     GPS: 32.789856°, -103.449641°     Surface Elevation:     3931 ft											
Borehole	Borehole Number:         BH-22-1         Borehole Diameter (in.):         8         Date Started:         2/17/2022         Date Finished:         2/17/2022									2/17/2022		
Н	(bpm)	(mqq)	/ERY (%)	ITENT (%) ocf)		NDEX	(%)			ATER LEVEL OBSERVATION		<u>RY_</u> ft
DEPTH (ft) OPERATION TYPE	SAMPLE EXECTIONIDE FIELD SCREENING (ppm)	UNC FIELD	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%) DRY DENSITY (pcf)		D PLASTICITY INDEX	MINUS NO. 200 (%)	<b>GRAPHIC LOG</b>	MATE	RIAL DESCRIPTION	DEPTH (ft)	REMARKS
									activities.	cavated during initial response ND: Brown, loose, with clay, dry	2	
	SIXI									ND: Tan, moderately cemented,	3	BH-22-1 (2'-3')
5									moderate grave	l.	-	BH-22-1 (4'-5')
									-SM- CALICHE with gravel.	: Tan, dense, heavily cemented,	1	BH-22-1 (6'-7')
							a a a				-	BH-22-1 (9'-10')
							2 2 2 2				-	
							a a		-SM- SILTY SA cemented, dry.	ND: Tan, dense, moderately	16	BH-22-1 (14'-15')
											-	BH-22-1 (19'-20')
											-	. ,
												BH-22-1 (24'-25')
Sampler Types:	Split Spoon Shelby Bulk Sampl Grab Sampl	v 🚺 Va e 🗙 Dis Sa	etate L ane She screte ample est Pit			Muc Rota	ary itinuous ht Auger sh	r		: ytical samples are shown in the ' ation is an estimated value.		
Logaer:	Joe Tyler				Drillin	a Eau	ipment:	Air	Rotary Driller	: Scarborough Drilling		

	<u>Page 46 of 21</u>	4
LOG OF BORING BH-22-1	Page	

•

212C-N	ИD-02	2499	T	Ŀ	ETR	ATEC	CH				LOG OF BORING BH-22-1	Page 2 of 2
Project N	lame	EVG	SAU 3	440	-002	Flov	vline	Rele	ase			
Borehole	e Loca	ation:	GPS: 32	2.789	9856°	, -103	3.4496	641°			Surface Elevation: 3931 ft	
Borehole	e Num	iber: E	3H-22-1	1					Bo	orehc iamet	ble Date Started: 2/17/2022 Date Finished:	2/17/2022
		D (m)	(mo	۲ (%)	ENT (%)			DEX			WATER LEVEL OBSERVATIONS While Drilling <u>V DRY</u> ft Upon Completion of Drilling <u>V DR</u> Remarks:	<u>₹Y_</u> ft
DEPTH (ft) OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm)	UNC FIELD	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)		D PLASTICITY INDEX	MINUS NO. 200 (%)	<b>GRAPHIC LOG</b>	MATERIAL DESCRIPTION	REMARKS
												3H-22-1 (29'-3(
30_\(											Bottom of borehole at 30.0 feet.	
Sampler Types:		Split Spoon Shelby Bulk Sample Grab Sample			le			Muc Rota	ary tinuous ht Auge sh		Hand Auger       Notes:         Air Rotary       Analytical samples are shown in the "Remarks" colu elevation is an estimated value.         Direct Push       Core Barrel	mn. Surface
Sampler Types:		Shelby Bulk Sample Grab Sample		/ane \$ )iscre Sampl	Shear ete le			Muc Rota Flig Was Rota	ary Itinuous ht Auge sh ary ioment	- Air	Air Rotary Air Rotary Direct Push Core Barrel	mn. Surface

<b>Page 47</b>	0

(			Page 47 of				
212C-MD-02499	TE TETRA TECH	LOG OF BORING BH-22-2	Page 1 of 1				
Project Name: EVGSAU	J 3440-002 Flowline Release						
Borehole Location: GPS:	32.790023°, -103.449434°	Surface Elevation: 3929 ft					
Borehole Number: BH-22	2-2 Borel	nole 8 Date Started: 2/16/2022 Date Finished:	2/16/2022				
PE (ppm)	m) KY (%) NT (%) EX	WATER LEVEL OBSERVATIONS	<u>RY</u> ft				
DEPTH (ft) OPERATION TYPE SAMPLE CHLORIDE FIELD SCREENING (ppm) SCREENING (ppm)		MATERIAL DESCRIPTION	REMARKS				
		Previously excavated during initial response					
		2					
		-SM- SILTY SAND: Brown, loose, with clay, dry.	BH-22-2 (2'-3')				
		-SM- SILTY SAND: Tan, moderately cemented, moderate gravel.					
5			BH-22-2 (4'-5')				
			BH-22-2 (6'-7')				
		SM- CALICHE: Tan, dense, heavily cemented,					
		with gravel.					
			BH-22-2 (9'-10')				
			511222(0.10)				
$ \rangle\rangle $	a						
$-\rangle\rangle$		·					
	a						
15	a		BH-22-2 (14'-15')				
		cemented, dry.					
20		Bottom of borehole at 20.0 feet.	BH-22-2 (19'-20')				
Sampler ypes: Split Spoon Shelby Bulk Sample Grab Sample	Acetate Liner       Operation Types:         Vane Shear       Mud Rotary         Discrete Sample       Continuous Flight Auger         Test Pit       Wash Rotary	Hand Auger       Notes:         Air Rotary       Analytical samples are shown in the "Remarks" col elevation is an estimated value.         Direct Push       Core Barrel	umn. Surface				
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 ''     Revised 5-16-12 (RHM)							

	Page 48 of 214	
SH-22-3	Page	

212C-MD-02499							L	OG OF BORING BH-22-3		Page 1 of 1
Project Name:	EVGSAU 3	440-002	Flowli	ne Re	ease					
Borehole Locat	ion: GPS: 3	2.789962°	-103.4	149290	5		Surface Elevation	n: 3928 ft		
Borehole Numb	er: BH-22-	3				Boreho Diame	ble 8 ter (in.):	Date Started: 2/17/2022	Date Finished:	2/17/2022
щ	(ppm) (ppm)	/ERY (%) ITENT (%)	ocf)	NDFX			While Drilling Remarks:	WATER LEVEL OBSERVATIO		<u>RY_</u> ft
	Ait CHLORIDE FIELD YIJS SCREENING (ppm)	SAMPLE RECOVERY (%) MOISTURE CONTENT (%)	Υ L	T LIQUID LIMIT		GRAPHIC LOG	MAT	FERIAL DESCRIPTION	DEPTH (ft)	REMARKS
							Previously activities.	excavated during initial response	_	
								SAND: Brown, loose, with clay, dry	3	BH-22-3 (2'-3')
						0 <u>0</u>	with gravel.	HE: Tan, dense, heavily cemented	_	BH-22-3 (4'-5')
5						a	-			DH-22-3 (4-3 <i>)</i>
							- - -		_	BH-22-3 (6'-7')
							- - -		-	
						a <u>a</u>	-			BH-22-3 (9'-10')
							-		-	
						a	- - -			
							- - -		_	BH-22-3 (14'-15')
						a <u>.</u>	-			
							-SM- SILTY cemented, di	SAND: Tan, dense, moderately ry.		
							- 		-	
							x x x		-	BH-22-3 (19'-20')
20 ))/ \						1999	B	ottom of borehole at 20.0 feet.	20	2 22 0 (10 20)
Sampler Types:	Types:       Spoon       I rectate Liner       Types:       Intervention       Notes:         Shelby       Vane Shear       Mud Rotary       Air Rotary       Air Rotary       Air Rotary         Bulk Sample       Discrete Sample       Continuous Flight Auger       Direct Push       Direct Push									
Logger: Joe Tyler Drilling Equipment: Air							Rotary Dr	iller: Scarborough Drilling		

Released to Imaging: 5/17/2022 4:26:32 PM

### Re

212C-MD-02499	12/2022 2:52:30 PM TETRA TECH		LOG OF BORING BH-22-4 Page
			1 of 1
Project Name: EN	GSAU 3440-002 Flowline Releas	se	Surface Elevation: 3928 ft
Borehole Number:	BH-22-4	Boreh	Surface Elevation:     3928 ft       shole meter (in.):     8     Date Started:     2/17/2022     Date Finished:     2/17/2022
C. (m	m) tY (%) NT (%) EX		meter (in.):       Date Stated.       Date Stated. <thdate stated.<="" th="">       Date Stated.       <thd< td=""></thd<></thdate>
DEPTH (ft) OPERATION TYPE SAMPLE CHLORIDE FIELD	UNCC FIELD       SCREENING (ppm)       SAMPLE RECOVERY (%)       MOISTURE CONTENT (%)       DRY DENSITY (pcf)       T       LIQUID LIMIT       U       PLASTICITY INDEX	MINUS NO. 200 (%) GRAPHIC LOG	MATERIAL DESCRIPTION
-			Previously excavated during initial response
			-SM- SILTY SAND: Brown, loose, with clay, dry. -SM- CALICHE: Tan, dense, heavily cemented, with gravel
5			$\frac{1}{\frac{1}{2}}$ with gravel. $\frac{1}{\frac{1}{2}}$ BH-22-4 (4'-5')
			• • • • • • • • • • • • • • • • • • •
Sampler Types: Split Shell Sam Wigger Sam Sam	by Uane Shear Mud Rotar Discrete Sample Track Dit	nuous Auger	Hand Auger       Notes:         Air Rotary       Analytical samples are shown in the "Remarks" column. Surface elevation is an estimated value.         Direct Push       Core Barrel
Logger: Joe Tyler	Drilling Equip	ment: A	Air Rotary Driller: Scarborough Drilling

Page	50	0

212C-MD-02499	TE TETRA	TECH		LOG OF BORING BH-22-5	Page 1 of 1
roject Name: E	VGSAU 3440-002	Flowline Releas	se		
orehole Location:	GPS: 32.789710°,	-103.448706°		Surface Elevation: 3925 ft	
orehole Number:	BH-22-5		Boreh	ole oter (in.): 8 Date Started: 2/16/2022 Date Finish	ed: 2/16/2022
G (iii	pm) RY (%) ≣NT (%)	) DEX		WATER LEVEL OBSERVATIONS	<u>DRY</u> ft
DEPTH (IT) OPERATION TYPE SAMPLE SAMPLE GHLORIDE FIELD SCREENING (ppm)		DRY DENSITY (pcf) F LIQUID LIMIT <u></u> PLASTICITY INDEX	MINUS NO. 200 (%) GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
22				-SM- SILTY SAND: Brown, loose, with clay, dry.	BH-22-5 (0-1')
					BH-22-5 (2'-3')
5					BH-22-5 (4'-5')
					BH-22-5 (6'-7')
					BH-22-5 (9'-10')
					BH-22-5 (14'-15')
				-SM- SILTY SAND: Tan, dense, moderately	
20				Bottom of borehole at 20.0 feet.	BH-22-5 (19'-20')
Sampler ypes: Spo She Bulk San M San San San	by Vane Shear Discrete Sample	r Operation Types: Mud Rotary Contin Flight Rotary	nuous Auger	Hand Auger       Notes:         Air Rotary       Analytical samples are shown in the "Remarks" of elevation is an estimated value.         Direct Push       Core Barrel	column. Surface
ogger: Joe Tyler		Drilling Equipr	ment: Ai	r Rotary Driller: Scarborough Drilling	

Released to Imaging: 5/17/2022 4:26:32 PM

212	C-M	D-02499	T	ŀ	ETR	ATEC	H				LOG OF BORING	BH-22-6		Page 1 of 1
roje	ct Na	ame: E\	/GSAU 3	440	-002	Flow	line	Rele	ase					
Borel	nole	Location:	GPS: 3	2.789	9858°	, -103	8.4482	276°			Surface Elevation: 3925 ft			
Borel	nole	Number:	BH-22-	6					E	orehc Diamet	e r (in.): 8 Date Started: 2/16/2	2022 Dat	e Finished	: 2/16/2022
	PE	(bpm)	(mqq)	VERY (%)	NTENT (%)	pcf)		INDEX			WATER LEVEL OBS While Drilling <u>V DRY</u> ft Upon Con Remarks:		<u> </u>	D <u>RY_</u> ft
DEPTH (ft)	OPERATION TYPE	SAMPLE THLORIDE FIELD	U SCREENING (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)		D PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTIC	DN	DEPTH (ft)	REMARKS
_	$\langle \rangle$										-SM- SILTY SAND: Brown, loose, w	ith clay, dry.	_	BH-22-6 (0-1')
5	$\left\{ \right\}$	X								a 'a a 'a a 'a	<b>-SM-</b> CALICHE: Tan, dense, heavily with gravel.	cemented,	3	BH-22-6 (2'-3') BH-22-6 (4'-5')
_	$\left< \right>$												_	BH-22-6 (6'-7')
0	$\langle \rangle \rangle$												_	BH-22-6 (9'-10')
		X											_	BH-22-6 (14'-15')
_	$\langle \rangle \langle \rangle$										-SM- SILTY SAND: Tan, dense, mo cemented, dry.	oderately	16 	
	$\langle \langle$	M											20	BH-22-6 (19'-20')
											Bottom of borehole at 20.	.0 feet.		
Samp	bler s:	Split Spool Shel Bulk Sam Grab Sam	ple			er T	Opera ypes:	: Muc Rota	ary itinuou ht Aug	s er	Hand Auger       Notes:         Air Rotary       Analytical samples are sh elevation is an estimated         Direct Push	own in the "Ren value.	narks" co	lumn. Surface

Logger: Joe Tyler Drilling Equipment: Air Rotary Driller: Scarb Released to Imaging: 5/17/2022 4:26:32 H M VELL3 ` 2015 TT TEMPLATE DECEMBER WELL.GDT `` Driller: Scarborough Drilling

# APPENDIX E Photographic Documentation











.

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TETRA TECH 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	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	4960	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	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	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	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	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	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	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

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 ( 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	Analyze	d 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	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	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 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 - 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 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	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 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	108 9	% 59.5-14	•						

#### 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

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 ( 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 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	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	% 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	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	% 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		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	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		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	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	Analyze	d 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	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	1480	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	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	d 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, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyzed 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	Analyzed 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

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 ( 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	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	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 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	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 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	1310	% 59.5-14	12						

#### 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	10						
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	12						

### 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	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	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*	<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 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	<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	d 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

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 - 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	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	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	Analyze	d 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	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	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

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 ( 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	Analyze	d 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	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	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

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 - 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	ed 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	12						

#### 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	% 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						
Surrogate: 1-Chlorooctadecane	87.5	% 59.5-14							

#### 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 - 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	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	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

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 - 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	Analyzed 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	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	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	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	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

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 - 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

Celez 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 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 whose 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 whose site to the services interruptors, loss of profits incurred by client, its subsidiaries, afflictes or successor arising out of or related to 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

### Received by OCD: 4/12/2022 2:52:30 PM

Project Manager: Christian Liul	Illips		BILL TO	0		ANALYSIS REQUEST
- of the manager. Of the later			P.O. #:			
Address: christian.llull@tetratech.com	Itech.com		Company: Tetra Tech	3		
city.	State:	Zip:	Attn: Christian Llull		_	
Phone #: (512) 338-1667	Fax #: NA		Address: by email			
Project #: 212C-MD-02499	Project Owner:	ner:	City:			
Project Name: EVGSAU 3440-02 Flowline Release	0-02 Flowline Release		State: Zin:			
Project Location: Lea County, New Mexico	y, New Mexico		#		_	
amples Name. In Tiles			Frione #:		_	
Sampler Name: Joe Tyler			Fax #:			
FOR LAB USE ONLY		MATRIX	PRESERV.	SAMPLING	_	
Lab I.D. Sa	Sample I.D.	B OR (C)OMP TAINERS NDWATER EWATER	R: ASE: OOL		īdes	
I BH-2	BH-22-01 (2-2)	2 # C	< ICE OTI	TIME	-	Ho
2		9	V 7-14-99	X X	X	
wn	(6-7)					
4	(9-10)					
5	(14-15)					
6	(19-30)					
22	(24-25)					
>~	(29-30)		4			
7 BH-22-02	(2-3)		cc-11-C	2		
PLEASE NOTE: Liability and Damages. Cardina's liability and d		V V V	V V	4	4	
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 lable for incidental or consequental damages, including whork inviting and received by Cardinal within 30 days after completion of the applicable affiaites or successors arising out of or related to the performance of services here moves by Cardinal writing and received by Cardinal within 30 days after completion of the applicable affiaites or successors arising out of or related to the performance of services here moves by Cardinal mitiation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,	and any other cause whatsoever shall be deemed dental or consequental damages, including without te performance of services becauseder to Covelerat	x any claim arising whether based in cor be deemed waived unless made in writin ing without limitation, business interruption of and an arrow of the second seco	arising whether based in contract or tort, shall be limited to the amount paid by the client for the waved unless made in writing and received by Cardinal within 30 days after completion of the a limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,	paid by the client for the ifter completion of the applicable y client, its subsidiaries,		
Relinquished By:	Date:	Received By:	aim is based upon any of the above stated			Add' Dhone #
Ske Tyler	Time: 235-	95	what he was		Yes I No	Add'I Phone #: Add'I Fax #:
Relinquished By:		Received By:	Kanner I	V2	tion (PM)	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	1.62 0.0	Sc Sample Condition	dition CHECKED BY:			

### Page 111 of 214

-aboratories

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

## Page 02 of 07

Relinquished By: **Relinquished By** service. In no event shall Ca maryses. LEASE NOTE: Liability and Sampler Name: Joe Tyler Project Location: Lea County, New Mexico Project Name: EVGSAU 3440-02 Flowline Release Project #: 212C-MD-02499 Phone #: (512) 338-1667 City: Project Manager: Christian Llull Address: christian.llull@tetratech.com Company Name: ConocoPhillips FOR LAB USE ONLY 2206 Lab I.D. All claims including those 8 9 4 S 6 00 1 S N BH-22-03 BH-22-02 i Sample I.D and any Time: cause whatsoever Date: Date: Time: (14-15) (9-10) State: 6-7 (2-3) 19-20 (4-5) Project Owner: Fax #: NA (6-7) 19-20 (9-10) 14-10 15 in 1-22 shall be Ider by C Received By: Received By: 5 (G)RAB OR (C)OMP Zip **# CONTAINERS** GROUNDWATER WASTEWATER made in writing and received by Cardinal MATRIX SOIL × OIL SLUDGE OTHER City: Fax #: State: Phone #: Address: by email Attn: Christian Llull Company: Tetra Tech P.O. #: **S**S ACID/BASE PRESERV ICE / COOL loss  $\times$ of proms OTHER BILL TO within 30 days after con Zip: 2-16-22 ピーナー incurred by client, its subsidiaries DATE € SAMPLING Phone Results: Fax Results: Email Results to: by the client TIME client for the applicable pr × TPH × BTEX Yes Yes × Chlorides I No Add'l Phone #: Add'l Fax #: ANALYSIS Hold REQUEST

### Received by OCD: 4/12/2022 2:52:30 PM

Sampler - UPS - Bus - Other:

600

0 Ħ

69

CHECKED BY:

(Initials) Q

00

Cool Intact Sample Condition

+

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

Delivered By: (Circle One)

### Page 112 of 214

Laboratories

Page 54 of 59

### Received by OCD: 4/12/2022 2:52:30 PM

Company Name: ConocoPhillips	ConocoPhillips			BILL TO			ANALYSIS REQUEST	
Project Manager: Christian Llull	Christian Llull			P.O. #:	_	_		
Address: christian	Address: christian.llull@tetratech.com			Company: Tetra Tech				
City:		State:	Zip:	Attn: Christian Llull				
Phone #: (512) 338-1667	8-1667	Fax #: NA		Address: by email		_		
Project #: 212C-MD-02499	D-02499	Project Owner:	er	City:				
Project Name: EV	Project Name: EVGSAU 3440-02 Flowline Release	line Release		State: Zin:				
Project Location:	Project Location: Lea County, New Mexico	xico		#				
Sampler Name: Joe Tyler	no Tyler							_
Southpier Martie: JO	be i yier			Fax #:		_		
FOR LAB USE ONLY			P. MATRIX	PRESERV. SAMPLING	LING	_		
Lab I.D.	Sample I.D.	Ū.	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	TPH	BTEX	Hold	
21	-BH 38 04	(0-1)	X	XI	i		2/2	0
a		(2-6)	-		- 7		140 00000	1875.
25		(4-5)						
he		(F-3)						
Se	<	(9-10)		<				
26	BH-22-05	(6-1)		2-16-22				
201		(2-3)						
ses Ses		(4-5)						-
29		(6-7)						
EASE NOTE: I inhibits and Da	A state of the state of the		44 4	V V	<	<		
halyses. All claims including the rivice. In no event shall Cardinu filiates or successors arising out	analyses. All claims including those for negligence and any other service. In no event shall Cardinal be liable for incidental or conse affiliate or successors arising and of or related to the post-former affiliate or successors arising and of or related to the post-former of the sectors and the sectors are as the	onts exclusive remedy for cause whatsoever shall be quental damages, includin	sive remedy for any claim arising whether based in contract or tort, shall be limited to the tsoever shall be deemed waived unless made in writing and received by Cardinal within 3 images, including without limitation, business interruptions, loss of use, or loss of profits in	analyses. All chains 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 Cardinab the liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, atfiliates or successors arising and or valued to the over-	id by the client for the er completion of the applicable client, its subsidiaries.			
	11	Date:	Received By:	n is based upon any of the above stated n	ts:		Add'I Phone #:	
Joe	Gh	Time: 1335	Chungha ,	Malle		Yes No	Add'I Fax #:	
Relinquished By:			Received By:	Conner	MG			
Delivered By: (Circle One) Sampler - UPS - Bus - Other	. ~	60 C-0	HIN Gres Pres	tion CHECKED BY: (Initials)				

### Page 113 of 214

-aboratories

### Received by OCD: 4/12/2022 2:52:30 PM

Project Manager Character Lan		BILL TO			ANALYSIS REQUEST
Project Manager: Christian Llull		P.O. #:			
Address: christian.llull@tetratech.com		Company: Tetra Tech			
State:	Zip:	Attn: Christian Llull			
Fax #: NA		Address: by email			
Project Owne	a	City:			
Project Name: EVGSAU 3440-02 Flowline Release				_	
Project Location: Lea County, New Mexico		#			
				_	
		Fax #:		_	
	MATRIX	PRESERV. SAMP	ING	-	
Sample I.D.	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	ACID/BASE: ICE / COOL	ТРН	BTEX	Hold
23-65 (14-15)	X	×I	-		
(19-36)		- +	-	-	
BH-27-06 (0-1)		te-31-t			
(4-5)					
(6-7)					
(9-10)					
(14-15)					
h	444	1 1-11-22	1	*	
s liability and client's exclusive remedy for an and any other cause whatsoever shall be de idental or consecuental damanes inclusion of the second s	y claim arising whether based in contract or remed waived unless made in writing and r	r tort, shall be limited to the amount pa received by Cardinal within 30 days after	d by the client for the r completion of the applicable		
ed By: Date:	rdinal, regardless of whether such claim is i	es of use, or loss of profits incurred by based upon any of the above stated re	sient, its subsidiaries.		
1.2-31-23 Time: 235	Janata 1	Makan	0	Yes D	Add'I Phone #: Add'I Fax #:
Date: Time:	Received By:		PM		
Delivered By: (Circle One) 1.6 C.O.S	C Sample Condition	유			
	Project Manager: Christian Llull     Address: christian.llull@tetratech.com     City:   State:     Phone #: (512) 338-1667   Fax #: NA     Project Name: EVGSAU 3440-02 Flowline Release     Project Name: Ive County, New Mexico     Sampler Name: Joe Tyler     For UAB USE OWLY     Addimension of the second state of the second sta	Iuli   State:   Zip:     Fax #: NA   Project Owner:     -02 Flowline Release   Project Owner:     r. New Mexico   (14-15)     2-65   (14-15)     (15-36)   (14-15)     (15-36)   (14-15)     (15-36)   (14-15)     (15-36)   (14-15)     (15-36)   (14-15)     (15-36)   (14-15)     (15-36)   (14-15)     (15-36)   (14-15)     (15-36)   (14-15)     (15-36)   (14-15)     (15-36)   (14-15)     (15-36)   (14-15)     (15-36)   (14-15)     (15-36)   (14-15)     (15-36)   (14-15)     (15-36)   (14-15)     (15-36)   (14-16)     (15-36)   (14-16)     (16-37)   (14-16)     (16-37)   (14-16)     (16-37)   (14-16)     (16-37)   (14-16)     (16-37)   (14-16)     (16-37)   (14-16)     (16-37)   (14-16)     (16-37)	Initial PO.#:   Lult Fox #: NA Company: Tetra Tech   Fax #: NA Attra: Christian Llult   Fax #: Received   Project Owner: City:   Color Fone #:   Phone #: Fax #:   Fax #: New Mexico   Project Owner: Fax #:   Fax #: Fax	PILL TO   Zip: Company: Tetra Tech   Quarter Company: Tetra Tech   Address: by email Address: by email   Owner: State: Zip:   Phone #: Phone #:   Fax #: Phone #:   Image: Image: Presserv   Owner: MATRIX Presserv   State: Zip:   Phone #: Phone #:   Fax #: Phone #:   Image: Image: Image:   Owner: Presserv Sample Condition   Value Image: Image:   Presserve Solil Date   Image: Image: Image:   Presserve Solil Date   Image: Image: Image:   Image: Image: Image:	BILL TO   Company: Tetra Tech Company: Tetra Tech Attr: Christian Lluli Address: by email   Owner: City: Fax #   Phone #:   Phone #:   Fax #   GROUNDWATER   WASTEWATER   GROUNDWATER   WASTEWATER   OTHER:   OTHER:   OULD GE   OTHER:   OTHER:   OTHER:   Provide   OTHER:   Provide   OTHER:   Provide   OTHER:   OTHER:   OTHER:   OTHER:   OTHER:   OTHER:   OTHER:   OTHER:   OTHER:   Provide   OTHER:   PH   PH   PH   PH   PH <th< td=""></th<>

### Page 56 of 59

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 114 of 214

aboratories

### 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	•			ANALYSIS REQUEST	
Project Manager: Christian Llull	: Christian Llull			P.O. #:		-	_		
Address: christian	Address: christian.llull@tetratech.com			Company: Tetra Tech		_			
City:	State:	ate: Zip:	Þ:	Attn: Christian Llull			_		
Phone #: (512) 338-1667		Fax #: NA		Address: by email			_		
Project #: 212C-MD-02499		Project Owner:		City:					
Project Name: EV	Project Name: EVGSAU 3440-02 Flowline Release	elease		State: Zip:					
Project Location:	Project Location: Lea County, New Mexico			ŧ					_
Sampler Name: Joe Tyler	oe Tyler			Fax #					
FOR LAB USE ONLY			MATRIX	ECEDV	1 110	_			
¢		MP.		PRESERV. SAMPLING	LING				
Lab I.D. HZZ0658	Sample I.D.	(G)RAB OR (C)ON	# CONTAINERS GROUNDWATER WASTEWATER SOIL DIL SLUDGE	DTHER : ACID/BASE: CE / COOL DTHER : DTHER :	TPH	BTEX	Chlorides	Hold	
41	BH-22-007	(J-3) G	X	x		×	×		
74	*	(4-5)		+ +	×	×	×		
	80-EE-H9	(0-1)		2-16-27	×	×	×		
		(2-5)						*.	
Et		4-5)						×	
11		(6-7)						×	
120	*	(4-10)		*				×	
49	PH-99-09 (	(0-1)		2-6-22	×	×	×		
20	4 (6	4-5) 1	*	*					
CLEASE NOTE: Labinty and Damages. Cardinal's lia analyses. All claims including those for negligence service. In no event shall Cardinal be liable for incide affiliates or successors arising out of or related to the affiliates or successors arising out of or related to the	1-CHAR WOTE: Loability and Damages. Cardina's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatboever 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 consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of related to the performance of services to form.	sive remedy for any claim troever shall be deemed images, including without	n arising whether based in contract c waived unless made in writing and i I limitation, business interruptions, lo	xr tort, shall be limited to the amount p received by Cardinal within 30 days at ss of use, or loss of profits incurred by	aid by the client for the ter completion of the appli client, its subsidiaries.	cable		-	-
Kellinguished By:	Tyles Date:	1-22 Re	Received By:	MAN 11	Fax Results:	: I Yes	No	Add'l Phone #: Add'l Fax #:	
Relinquished By:	Date:	235	Received By:	Mart Mart	Email Results to:	Zä			
	Time:			1					
Delivered By: (Circle One) Sampler - UPS - Bus - Other	(Circle One) 1, 6c	00-0.5	Sample Condition	CHEC					
Contraction of the second	ous - Oulei.	1.10#	113 TYes TYes	1					

*Received by OCD: 4/12/2022 2:52:30 PM* 

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

aboratories

Page 57 of 59

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

## Page 06 of 07

BILL TO				ANALYSIS	IS REDIJEST	IDOT	
P.O. #:	-		_	-			
Company: Tetra Tech		_					
Attn: Christian Llull			_				
Address: by email							
City:				_	_		
			_		_		
#			_				
Бак #.				_			
PRESERV	L					_	
SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE	₩ ТРН	BTEX	Chlorides	Hold			
X X X A						1	,
				~	-	4137	115 70.
te-21-8	×	×	×	~ /	-		200
	×	×	×				
	×	×	×		_		
	X	×	×				
	×	×	×				
*	×	5	K				
££-31-€	×	×	×				
W W W J				×			
analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unises in constant or softwards to the samout paid by the client for the a 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 successor 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 <b>Dolinovision</b> .	ent for the n of the applicab bsidiaries, herwise	sie					
Joseph Collin V.	Results: Results to:	□ Yes	I I No	Add'l Phone Add'l Fax #:	*		
Received By:	PM						
Sample Condition CHECKED BY: Cool Intact (Initials)							
No No YO.							
A Containers intergence of whether such a written changes to (57, 72)	Address: by email City: State: Zip: Phone #: Fax #: Fax #: Fax #: Fax #: Int. shall be limited to the amount puld by the directed by t	An Address: by email   Owmer: State:   Phone #: Phone #:   Fax #: Fax #:   Fax #: Fax #:   G G H CONTAINERS GROUNDWATER   G H CONTAINERS GROUNDWATER   H C H CONTAINERS GROUNDWATER   Fax Resciption GROUNDWATER   Fax Resciption GROUNDWATER   Fax Resciption Group #:   Fax Resciption Fax Resciption   Fax Resciption Group #:   Fax Resciption Group #:   Fax Resciption	Store	Stor Ves Chlorides	Sto: Ves No No Sto: Ves No No Sto:	A TPH   Ppdicable X   Yes No   Add <sup>TI</sup> Phone #: X   X X	Sto: TPH TPH TPH BTEX BTEX BTEX Chlorides Add'l Phone #: No Add'l Phone #: Hold

### Received by OCD: 4/12/2022 2:52:30 PM

### Page 116 of 214

aboratories

Page 58 of 59

### Received by OCD: 4/12/2022 2:52:30 PM



Laboratories



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: 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:

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
BH - 22 - 05 ( 6-7 )	H220658-29	Soil	16-Feb-22 00:00	21-Feb-22 12:35
BH - 22 - 05 ( 9-10 )	H220658-30	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
BH - 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 )	H220658-34	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 ( 6-7 )	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 )	H220658-38	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 - 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 )	H220658-45	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 - 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 - 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	C - MD - 02 RISTIAN LL 2) 682-394	ULL	INE RELE/	C	Reported: )2-Mar-22 16: <sup>-</sup>	15
				658-01 (So	<i>,</i>					
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		Reported: 02-Mar-22 16:15					
				- 01 ( 4 558-02 (Se	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	3360		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			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		Reported: 02-Mar-22 16:15					
				- 01 (	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	2200		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 (PI	D)		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



### Analytical Results For:

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	901 WEST WALL STREET , STE 100				SAU 3440- C - MD - 02 XISTIAN LL 2) 682-394	Reported: 02-Mar-22 16:15				
				-01 (9	,					
			H220	658-04 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al 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 (Ph	(D)		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



### Analytical Results For:

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	901 WEST WALL STREET , STE 100				SAU 3440- C - MD - 02 RISTIAN LL 2) 682-394	Reported: 02-Mar-22 16:15				
			BH - 22 -	-01 (14	4-15)					
			H220	658-05 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	608		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 (P.	ID)		103 %	69.9	-140	2022323	MS	25-Feb-22	8021B	
<u>Petroleum Hydrocarbons by</u>	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



### Analytical Results For:

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	nber: 212 ager: CHR		Reported: 02-Mar-22 16:15				
				-01 (19	,					
			H220	658-06 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	1020		16.0	mg/kg	4	2022427	AC	24-Feb-22	4500-Cl-B	QM-07
Volatile Organic Compound	ls 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)		102 %	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			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	01 WEST WALL STREET , STE 100				55AU 3440- C - MD - 02 RISTIAN LL 2) 682-394	Reported: 02-Mar-22 16:15				
			BH - 22 - H2200	· 01 ( 24 558-07 (Se	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	80.0		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	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)		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



### Analytical Results For:

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	nber: 212 ager: CHR		Reported: 02-Mar-22 16:15				
				-01 (29						
r			H220	658-08 (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	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)		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

Page 129 of 214



### Analytical Results For:

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	iber: 212 ager: CHF	C - MD - 02	ULL	INE RELE/	C	Reported: 2-Mar-22 16:	15
				2 - 02 ( 2 658-09 (So	,					
			11220		,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1920		16.0	mg/kg	4	2022427	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compounds	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	D)		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



### Analytical Results For:

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	ber: 212 ager: CHR		Reported: 02-Mar-22 16:15				
			BH - 22	2 - 02 ( 4	4-5)					
			H220	658-10 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	2200		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 (P	ID)		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 , 5 MIDLAND TX, 79701	STE 100		Project Num Project Mana	ber: 212 ger: CHF		Reported: 02-Mar-22 16:15				
			BH - 22 H2200	- 02 ((	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	1810		16.0	mg/kg	4	2022427	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compounds h	y 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)			111 %	69.9	-140	2022401	MS	25-Feb-22	8021B	
<u>Petroleum Hydrocarbons by G</u>	C 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



TETRA TECH 901 WEST WALL STREET , S MIDLAND TX, 79701	STE 100		Project Num Project Mana Fax BH - 22	ber: 212 ger: CHF To: (43	RISTIAN LL 2) 682-394 	2499 ULL	INE RELE/	0	Reported: 2-Mar-22 16:	15
			Reporting	556-12 (50	,					
Analyte	Result	MDL	Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	2000		16.0	mg/kg	4	2022427	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compounds b	y 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)			104 %	69.9	-140	2022401	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by G	C 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	1 WEST WALL STREET , STE 100 Project Number: 212C - MD - 02499						Reported: 02-Mar-22 16:15			
				· 02 ( 14 658-13 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds			16.0			2022.127		24 5 1 22	4500 CL D	
Chloride	160		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	))		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 , MIDLAND TX, 79701	STE 100		Project Num Project Mana	ber: 212 ger: CHF To: (43	RISTIAN LL 2) 682-394	2499 ULL	INE RELE/	C	Reported: 12-Mar-22 16:	15
			H220	658-14 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	176		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 (PID)	)		105 %	69.9	-140	2022401	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by C	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			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

TETRA TECH   Project:   EVGSAU 3440-02 FLOWLINE RELE     901 WEST WALL STREET , STE 100   Project Number:   212C - MD - 02499     MIDLAND TX, 79701   Project Manager:   CHRISTIAN LLULL     Fax To:   (432) 682-3946						INE RELE/	Reported: 02-Mar-22 16:15			
				- 03 ( 558-15 (Se	,					
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 (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*	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



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			
			BH - 22	2 - 03 ( 4	4-5)					
			H220	658-16 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
<u>Inorganic Compounds</u> Chloride	352		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	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	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	, 79701 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946						INE RELE/ Reported: 02-Mar-22 16:15			
				- 03 ( 658-17 (Se	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<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	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)		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



### Analytical Results For:

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Nun Project Mana	nber: 212 ager: CHR	C - MD - 02	ULL	INE RELE/	C	Reported: 2-Mar-22 16:	15
				- 03 ( 9						
			H220	658-18 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	1680		16.0	mg/kg	4	2022427	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compounds	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 (Pl	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



TETRA TECH 901 WEST WALL STREET , S MIDLAND TX, 79701	WEST WALL STREET , STE 100 Project Number: 212C - MD - 024						(NE RELE/	Reported: 02-Mar-22 16:15		
				· 03 (14 658-19 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds			16.0	4	4	2022427	AC	24-Feb-22	4500 CL D	
Chloride	256		16.0	mg/kg	4	2022427	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compounds I	oy 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)	)		103 %	69.9	-140	2022401	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by G	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



### Analytical Results For:

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	901 WEST WALL STREET , STE 100				SAU 3440- C - MD - 02 XISTIAN LL 2) 682-394	INE RELE/	Reported: 02-Mar-22 16:15			
				- 03 ( 19						
			H220	658-20 (So	oil)					
Analyte	Result	MDL	Reporting 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	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			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 RELE/	Reported: 02-Mar-22 16:15				
				- 04 ( 2 558-22 (Se	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<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 (PL	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	VALL STREET , STE 100 Project Number: 212C - MD - 02499 02-Mar						Reported: 2-Mar-22 16:	15		
				- 04 ( 658-23 (Se	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds Chloride	192		16.0	mg/kg	4	2022427	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compounds	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 (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			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: 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 - 04 ( 658-24 (Se	<i>,</i>						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	ıl Laborat	tories						
<u>Inorganic Compounds</u> 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.	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			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



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 - 04 ( 9-10 ) H220658-25 (Soil)										
11220030-23 (3011)										
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 Compounds	s by EPA Method 80	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		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 , S MIDLAND TX, 79701	TE 100		Project Num Project Mana Fax BH - 22	ber: 212 ger: CHF	RISTIAN LLI 2) 682-394 	2499 ULL	(NE RELE)	C	Reported: 12-Mar-22 16:	15
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
Chioride	2700		10.0	mg/kg	+	2022428	AC	24-1-60-22	4300-СІ-В	QM-07
Volatile Organic Compounds by	v EPA Method	8021								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 (PID)			176 %	69.9	-140	2022401	MS	25-Feb-22	8021B	
Petroleum Hydrocarbons by G	C 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 Fax	ber: 212 ger: CHR To: (432	2) 682-394	2499 ULL	INE RELE/	0	Reported: 2-Mar-22 16:	15
				- 05 (2 558-27 (Se						
			112200		,,,,,					
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	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*	0.169		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 (PL	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 MIDLAND TX, 79701	, STE 100		Project Num Project Mana	ber: 212 ger: CHR		2499 ULL	INE RELE/	0	Reported: 2-Mar-22 16:	15
				- 05 ( 4 558-28 (Se						
			H2200	56-26 (50	)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1180		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	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 (PL	D)		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

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	901 WEST WALL STREET , STE 100				Project: EVGSAU 3440-02 FLOWLINE RELE Project Number: 212C - MD - 02499 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946						
				- 05 ( 658-29 (Se	/						
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	2022428	AC	24-Feb-22	4500-Cl-B		
Volatile Organic Compound	s 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 (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			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



TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	ber: 212 ager: CHR	C - MD - 02	ULL	(NE RELE/	0	Reported: 2-Mar-22 16:	15
				- 05 ( 9 658-30 (So	,					
			11220	038-30 (30	)II)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	2022428	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	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	, STE 100		Project Nun Project Mana	nber: 212 ager: CHF	C - MD - 02	ULL	INE RELE/	0	Reported: 2-Mar-22 16:	15
				- 05 ( 14						
			H220	658-31 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al 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 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 , ST MIDLAND TX, 79701	E 100		Project Num Project Mana Fax BH - 22 -	ber: 212 ger: CHF To: (432	C - MD - 02 RISTIAN LL 2) 682-394 9-20 )	ULL	INE RELE/	C	Reported: 2-Mar-22 16:	15
			H220	658-32 (Se	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 Compounds 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 (PID)			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	, 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 - 06 ( 658-33 (Se	<i>,</i>							
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 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	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

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	iber: 212 iger: CHF		2499 ULL	INE RELE/	0	Reported: 2-Mar-22 16:	15
				- 06 ( 658-34 (Se	,					
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	
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 (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	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	, STE 100		Project Num Project Mana	ber: 212 ger: CHF		2499 ULL	INE RELE/	0	Reported: 2-Mar-22 16:	15
				- 06 ( 658-35 (Se	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds			16.0			2022 (20		24 5 1 22	4500 CL D	
Chloride	3360		16.0	mg/kg	4	2022428	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compounds	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 (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	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



Page 155 of 214

### Analytical Results For:

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	iber: 212 ager: CHR		2499 ULL	(NE RELE)	0	Reported: 2-Mar-22 16:	15
				2 - 06 ( 658-36 (So	<i>,</i>					
			11220	<b>050-50</b> (50	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	2640		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 (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	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	STE 100		Project Num Project Mana Fax BH - 22	ber: 212 ger: CHF To: (43)	RISTIAN LL 2) 682-394 - <b>-10</b> )	2499 ULL	INE RELE/	C	Reported: 2-Mar-22 16:	15
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 Compounds	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 (PIL	))		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	STE 100		Project Num Project Mana	ber: 212 ger: CHF	C - MD - 02	ULL				
			BH - 22 - H2200	· 06 ( 14 658-38 (Se	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds			16.0	4		2022428	10	24-Feb-22	4500 CL D	
Chloride	112		16.0	mg/kg	4	2022428	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compounds	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 (PIL	))		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			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

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701						2499 ULL	ine rele/	ELE/ Reported: 02-Mar-22 16:15		
				· 06 ( 19 658-39 (Se	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds Chloride	32.0		16.0	mg/kg	4	2022428	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compound		0.21	10.0	ing/kg		2022 120	ne	21100 22	1500 61 B	
Benzene*	<0.050	021	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	nber: 212 ager: CHF	C - MD - 02	ULL	INE RELE/	O	Reported: 2-Mar-22 16:	15
				2 - 07 ()	,					
			H220	658-40 (So	)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al 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	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			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

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Nun Project Mana	nber: 212 ager: CHF		2499 ULL	INE RELE/	C	Reported: 2-Mar-22 16:	15
				2 - 07 (2 658-41 (Se	<i>,</i>					
				(	- ,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	2022428	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compounds	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 (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	VEST WALL STREET , STE 100 Project Number: 212C - MD - 02499 02						Reported: 12-Mar-22 16:	15		
				- 07 ( 658-42 (Se	,					
			11220		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	32.0		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	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

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana	iber: 212 iger: CHF		2499 ULL	INE RELE/	0	Reported: 2-Mar-22 16:	15
				- 08 () 658-43 (Se	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds Chloride	992		16.0	mg/kg	4	2022428	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compound		021	1010	6 6						
Benzene*	<0.050	021	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	901 WEST WALL STREET , STE 100 Project Number MIDLAND TX, 79701 Project Manage Fax T BH - 22 -						INE RELE/	C	Reported: 02-Mar-22 16:	15
				2 - 08 ( 2 658-44 (Se	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1650		16.0	mg/kg	4	2030207	GM	02-Mar-22	4500-Cl-B	
Volatile Organic Compounds	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 (Pl	D)		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:   100 Project Number: 212C - MD - 02499 02-Mar-22 16:15   Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946   BH - 22 - 08 ( 4-5 )						15		
				- 08 ( 658-45 (So	,					
					,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1150		16.0	mg/kg	4	2030207	GM	02-Mar-22	4500-Cl-B	
Volatile Organic Compounds	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	D)		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 Fax	ber: 212 ger: CHF	RISTIAN LL 2) 682-394	2499 ULL	INE RELE/	C	Reported: 2-Mar-22 16:	15
			H220	658-46 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	1010		16.0	mg/kg	4	2030207	GM	02-Mar-22	4500-Cl-B	
Volatile Organic Compounds	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	901 WEST WALL STREET , STE 100				65AU 3440- IC - MD - 02 RISTIAN LL 2) 682-394	INE RELE/	Reported: 02-Mar-22 16:15			
			BH - 22 H220	- 08 (9 658-47 (Se	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Labora	tories					
<u>Inorganic Compounds</u> Chloride	768		16.0	mg/kg	4	2030207	GM	02-Mar-22	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	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	D)		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	iber: 212 iger: CHF		2499 ULL	INE RELE/	0	Reported: 2-Mar-22 16:	15
				- 09 ( 658-48 (Se	,					
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	PID)		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

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 H2206	- 10 () 558-53 (Se	,					
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 Compounds	by EPA Method 8	021								
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 (PI	D)		105 %	69.9	-140	2022402	MS	25-Feb-22	8021B	
<u>Petroleum Hydrocarbons by</u>	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 Fax BH - 22	ber: 212 ger: CHR	RISTIAN LL 2) 682-394 <b>)-1</b> )	2499 ULL	INE RELE/	C	Reported: 2-Mar-22 16:	15
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	2022301	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compounds		8021		0.0						
Benzene*	< 0.050	0021	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 (PI	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	, STE 100		Project Num Project Mana		Reported: 02-Mar-22 16:15					
				2 - 12 () 658-55 (So	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
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 (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			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	001 WEST WALL STREET , STE 100				Project: EVGSAU 3440-02 FLOWLINE RELE/ Project Number: 212C - MD - 02499 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946						
				- 13 () 658-56 (Se	,						
			11220	030-30 (30	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
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	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*	0.058		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		Reported: 02-Mar-22 16:15					
				- 14 ( 658-57 (Se	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	64.0		16.0	mg/kg	4	2022301	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compounds	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 (PI	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			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	901 WEST WALL STREET , STE 100				Project: EVGSAU 3440-02 FLOWLINE RELE/ Project Number: 212C - MD - 02499 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946								
				2 - 15 ( 658-58 (Se	<i>,</i>								
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes			
			Cardina	l Laborat	tories								
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	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			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

٦



### Analytical Results For:

TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701	, STE 100		Project Num Project Mana		Reported: 02-Mar-22 16:15					
				2-16 (0	<i>,</i>					
			H220	658-59 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	320		16.0	mg/kg	4	2022301	AC	24-Feb-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 80	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 (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



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
---	---	------------------------------

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

		Reporting		Spike Source			%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	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				
Chloride	ND	16.0	mg/kg							
LCS (2022427-BS1)				Prepared &	Analyzed:	24-Feb-22				
Chloride	416	16.0	mg/kg	400		104	80-120			

#### **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	Inor	Project: EVGSAU 3440-02 FLOWLINE RELE/ Project Number: 212C - MD - 02499 Project Manager: CHRISTIAN LLULL Fax To: (432) 682-3946 norganic Compounds - Quality Control Cardinal Laboratories							Reported: 02-Mar-22 16:15			
		Carun		oratories								
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	·	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

Analyta	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	Kesuit	Limit	Units	Level	Result	70KEU	Limits	KPD	Limit	inotes
Batch 2022323 - Volatiles										
Blank (2022323-BLK1)				Prepared: 2	3-Feb-22 A	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)	0.0516		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: EVGSAU 34 Project Number: 212C - MD Project Manager: CHRISTIAN Fax To: (432) 682-3	I LLULL	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 2022401 - Volatiles										
Blank (2022401-BLK1)				Prepared: 2	24-Feb-22 A	analyzed: 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	24-Feb-22 A	analyzed: 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	24-Feb-22 A	analyzed: 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-2	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. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project Number: 2 Project Manager: 0		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 2022402 - Volatiles										
LCS (2022402-BS1)				Prepared: 2	24-Feb-22 A	Analyzed: 2	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			
m,p-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: 2	24-Feb-22 A	Analyzed: 2	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	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										
Blank (2030116-BLK1)				Prepared: (	)1-Mar-22 A	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)	0.0518		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

<b>Cardinal Laboratories</b>
------------------------------

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2030116 - Volatiles										
LCS (2030116-BS1)				Prepared: (	01-Mar-22	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: (	)1-Mar-22 /	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


## Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal	Laboratories

	D .	Reporting	<b>**</b> *:	Spike	Source	0/75-	%REC	0.55	RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	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			

Blank (2022320-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	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

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 Lordratories.

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 &	z 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	Analyzed: 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		10.0	mg/kg	200		110	83-129			
GRO C6-C10 DRO >C10-C28	220	10.0	00							
	220 387	10.0	mg/kg	400		96.7	84.5-127			
DRO >C10-C28			mg/kg	400		96.7 125	84.5-127 66.9-136			

#### Cardinal Laboratories

#### \*=Accredited Analyte

PLEASE 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 client for analyses. All claims, including those for negligence ar any other cause whitstoewer 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 Laboratories.

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	<b>T</b> T '4	Spike	Source	A/DEC	%REC	DDD	RPD	<b>N</b> T (
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2022324 - General Prep - Organics										
LCS Dup (2022324-BSD1)				Prepared: 2	23-Feb-22 A	Analyzed: 2	4-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

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 whitstoewer 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 Lobaratories.

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701	Project: EVGS Project Number: 2120 Project Manager: CHR Fax To: (432	ISTIAN LLULL	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 2030209 - General Prep - Organics										
Blank (2030209-BLK1)				Prepared &	Analyzed:	02-Mar-22	2			
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 &	z Analyzed:	02-Mar-22	2			
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	2			
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

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 Laboratories.

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 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 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 sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Liopatorites.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page OI of 07

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Ici	(575) 393-2326 FAX (575) 393-2476	476					
Project Manager: Christian Llull	hristian Llull		P.O. #:		-		
Address: christian.llull@tetratech.com	ull@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	-02499 Project Owner:	er	City:			_	
Project Name: EVGS	Project Name: EVGSAU 3440-02 Flowline Release		State: Zip:		_	_	
Project Location: Le	Project Location: Lea County, New Mexico		#			_	
Sampler Name: Joe Tyler	Tyler		Fax #:		-	_	
Campler Manle, Jue	I YICI		Fax #.		_	_	
FOR LAB USE ONLY		IP. MATRIX	PRESERV. SAMPLING	LING			
Lab I.D. HZZ6 1658	Sample I.D.	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE	TIME	TPH BTEX	Chlorides	Hold
1.	BH-22-01 (2-3)	×	×		××	X	
2	(4-5)					-	
0)	(6-7)						
4	(9-10)						
5	(14-15)						
6	(19-20)						
7	(24-45)						
R	V (29-30)		4				
6	BH-22-02 (2-3)		2-16-22				
PLEASE NOTE: Liability and Dama	$\mathcal{O}$ $\mathcal{V}$	Y any claim arising whether based in contra	ct or tort, shall be limited to the amount p	aid by the client for the	VV	1 4	
service. In no event shall Cardinal be liable for incidental or affiliates or successors arising out of or related to the perfor	service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries at all liables or successors arising out of or related to the performance of services hersunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	ing without limitation, business interruptions, loss of use, or y Cardinal, regardless of whether such claim is based upon	s, loss of use, or loss of profits incurred by n is based upon any of the above stated r	easons or otherwise.			
Kelinquisned By:	Date:	Received By:	11/11	Phone Results: Fax Results:		Yes I No	o Add'l Phone #: o Add'l Fax #:
Relinquished By:	Time: 235	Received By:	A MARTINE	Email Results to:		P	
	Time:		(				
Delivered By: (Circle One)	ircle One) / 6: ) C.O.S.	Sample	tion CHECKED BY:				
Sampler - UPS - Bus - Other:	]	0-	Δ				

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

**CARDINAL** Laboratories

Page 69 of 74

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

Page 02 of 07

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

			I													
Company Name: ConocoPhillips	onocoPhillips					19	BILL IO					ANALYSIS		REQUEST		
Project Manager: Christian Llull	hristian Llull					P.O. #:			_		_		_			_
Address: christian.llull@tetratech.com	ull@tetratech.com					Company: Tetra Tech	etra Tech		_				_		_	
City:		State:	Zip:			Attn: Christian Llull	In Llull				_	_	_	_		_
Phone #: (512) 338-1667		Fax #: NA				Address: by email	email					_		_		
Project #: 212C-MD-02499		Project Owner:	a		-	City:					_	_			_	
Project Name: EVG	Project Name: EVGSAU 3440-02 Flowline Release	Release			10	State:	Zip:				_	_				
Project Location: Le	Project Location: Lea County, New Mexico	8				Phone #:			_					_		_
Sampler Name: Joe	Joe Tyler				-	Fax #:			_					_		
FOR LAB USE ONLY			IP.	M	MATRIX	PRESERV.	SAMPLING	NG	_				_			
Lab I.D. HZCO1658	Sample I.D.		(G)RAB OR (C)OMF	# CONTAINERS GROUNDWATER WASTEWATER	SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER :	DATE	TIME	TPH	BTEX	Chlorides	Hold	-			
11	64-22-02	(6-7)	6			×	2-16-32		×	×	×					_
12		(9-10)	-		_	-	1		-		-					
c)		(14-1015)					-				-					
15	RH-12-02	(2-2)					2-12-27		+		+	+		_		-
16		(4-5)					-									
17		(6-7)														
81		(9-10)									-					
22	<	(06-91)	<	<	4	4	<		<	4	<					_
PLEASE NOTE: Liability and Dam analyses. All claims including those service. In no event shall Cardinal affiliates or successors arising out o	PLEASE MOTE: Unbility and Damages. Cardina'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 withwork 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 composent, and many sets, the service day to be client for the applicable service. In no event shall Cardinal be liable for incidential or composent, including without limitation, business intergritoms, loss of use, or boths incourdes in out of the above stated measons or shaveline affiliates or successors arising out of related to the performance of services hereinder by Cardinal reparters or whether such claim is based upon avo of the above stated measons or shaveline affiliates or successors arising out of related to the performance of services hereinder by Cardinal reparters or whether such claim is based upon avo of the above stated measons or shaveline affiliates or successors arising out of or related to the performance of services hereinder by Cardinal reparters or whether such claim is based upon avo of the above stated measons or shaveline affiliate services.	s exclusive remedy for any claim arisis se whatsoever shall be deemed waive ntal damages, including without limita retrices hereunder by Cardinal, recor	ny claim seemed v without I	arising whether bar waived unless mad limitation, business recordess of wheth	sed in contract or tort, te in writing and receive interruptions, loss of u her such claim is based	tort, shall be limited sceived by Cardinal w s of use, or loss of pr	to the amount paid hthin 30 days after ofits incurred by cl	by the client for the completion of the a ent, its subsidiaries upps or otherwise	e applicable s,							
ished By:		Date: 2-21-22 Time: 1235 Date:	Rec	red By:	1 176	May	X	Phone Results: Fax Results: Email Results to:	esults: [ ults: [ sults to:	□ Yes	I No No	Add'l Phone #: Add'l Fax #:	#:			
		Time:							-							
Delivered By: (Circle One)	1.6	0-0-C-0	0.50	-	Sample Condition Cool Intact	n CHECKED BY: (Initials)	ED BY: als)									
Sampler - UPS - Bu	Bus - Other:	1.10 2	H-	3	No No	40	1									

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

aboratories

Page 70 of 74

Page 03 of 07

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Relinquished By: Relinquished By: Sampler Name: Joe Tyler Project Location: Lea County, New Mexico Project Name: EVGSAU 3440-02 Flowline Release Project #: 212C-MD-02499 Phone #: (512) 338-1667 City: Address: christian.llull@tetratech.com Project Manager: Christian Llull Company Name: ConocoPhillips Sampler - UPS - Bus - Other: Delivered By: (Circle One) nalyses. All claims including those for negliger ervice. In no event shall Cardinal be liable for i EASE NOTE: Liability and FOR LAB USE ONLY Lab I.D. 220658 SC 20 g P. Q 2 is 2 21 S (575) 393-2326 FAX (575) 393-2476 BH-84 Sample I.D. 50-66 \$ nce and any other loc Time: 1235 cause whats State: Date: (6-7) (4-5) Project Owner: Fax #: NA Time: Date: (2-3) 6-1 (2-5) (9-10) (6-7) (4-5) 010 Ital damages 21-22 Ider by 6 shall be -0.5 C Zip Received By: 1 (G)RAB OR (C)OMP Received By: N **# CONTAINERS** GROUNDWATER Sample Condition Cool Intact Pres Pres No No No WASTEWATER made in writing and MATRIX SOIL OIL SLUDGE loss of use, or loss of profits i State: P.O. #: OTHER City: Company: Tetra Tech Fax #: Address: by email Phone #: Attn: Christian Llull PRESERV. ACID/BASE g upon any of the abor CHECKED BY: (Initials) ICE / COOL BILL TO OTHER G within 30 days after Zip: 5-16-22 DATE SAMPLING PR ₹ by client, its subsidiaries, Phone Results: Fax Results: Email Results to: by the client TIME tion of the app tor the TPH NG cable e BTEX Yes Yes Chlorides 0 No Add'l Phone i Add'l Fax #: ANALYSIS Hold 0 REQUEST Sau 20 p'a Ċ

R

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

# Page 188 of 214

Laboratories

Page 71 of 74

# Page OH of 07

			i			t	L				l	l						
Company Name: ConocoPhillips	ConocoPhillips							8	BILL TO					ANAL	-YSI	R	ANALYSIS REQUEST	
Project Manager: Christian Llull	Christian Llull					P.C	P.O. #:						-					
Address: christian.llull@tetratech.com	llull@tetratech.con	5				ĉ	mpai	ny: T	Company: Tetra Tech								_	
City:		State:	Zip:	ň		Att	In: Ch	nristia	Attn: Christian Llull									
Phone #: (512) 338-1667	-1667	Fax #: NA				Ad	dres	s: by	Address: by email								_	
Project #: 212C-MD-02499	0-02499	Project Owner:	ä			City:	y:										_	
Project Name: EVGSAU 3440-02 Flowline Release	3SAU 3440-02 Flo	wline Release				Sta	State:		Zip:									
Project Location: Lea County, New Mexico	ea County, New N	Vexico				Ph	Phone #:	<b>.</b> ##					-					
Sampler Name: Joe Tyler	e Tyler					Fay	Fax #:				_						_	_
Caliple Name, Jo	C I YICI		1				ľ		1			_					_	
FOR LAB USE ONLY			ИP.		MATRIX		PRES	PRESERV.	SAMPLING	NG							+	
Lab I.D.	Sample I.D.	I.D.	(G)RAB OR (C)OM	# CONTAINERS GROUNDWATER	WASTEWATER SOIL OIL	SLUDGE OTHER :	ACID/BASE:	ICE / COOL OTHER :	DATE	TIME	ТРН	BTEX	Chlorides	Hold		1		
3	BH-22-05	(14-15)	6	-	X			×	86-91-8		×	×	×					
22	*	(15-26)				-	_		+		1	-						
23	BH-22-06	(0-1)							te-11-t									
HE		(2-5)	_						-									
SE		(4-5)	-															
36		(6-7)																
16		(9-10)																
8		(H-15)											-					
98	¢	(19-30)	-	-			_		¢		-		-					
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 ann	BH-JA-OF mages. Cardinal's liability and	(0-1) d client's exclusive remedy for	any claim	The arising whe	ther based in contr	act or tort	shall be	e limited	A-16-27 to the amount pair	JJ ant paid by the client for the	•	<	<				F	E
anayses. All claims including those for negligence and any other cause whatsower 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 consequential damages, including without limitation, business intemptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiatis or successors arising out of or related to the performance of services hiverunder by clearding without invited on whether such claim is based upon any of the above stated reasons or otherwise.	se for negligence and any off al be liable for incidental or co if of or related to the performa	her cause whatsoever shall be deemed waived unless made in writing and recei nreequental damages, including without limitation, business interruptions, loss of once of services hereunder by Cardinal, regardees of whether such claim is bas	g without Cardinal	I waived unle I limitation, be regardless o	ss made in writing usiness interruption of whether such clai	and receiv s, loss of m is base	use, or I	ardinal v loss of p	within 30 days afte rofits incurred by c e above stated rea	completion of the lient, its subsidiarie sons or otherwise.	applicable 5.							
Relinquished By:	1		Rec	Received By:	By:		0		11	Phone Results: Fax Results:	Its:	□ Yes		Add'l Phone #: Add'l Fax #:	hone ax #:	挄		
Joe	Ala	Time: 235	1	h	Mana	A	a	R	Sel	Email Results to:	s to		1					
Relinquished By:		Date: Time:	Rec	Received By:	By:	-					PM							
Delivered By: (Circle One)		1.100 C-O.	S	1.0	-	ition	0	HECK	CHECKED BY:									
Sampler - UPS - Bus - Other:	1 -		Ħ	3	TYes Yes	es	1	40	G									

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

# Page 189 of 214

aboratories

Page 72 of 74

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

# aboratorie DS

# 101 East Marland, Hobbs, NM 88240

Page 05 of 07

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(c)	575) 393-2326 FAX (575) 393-2476	393-2476			
Company Name: ConocoPhillips	onocoPhillips		BILL TO		ANALYSIS REQUEST
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		Project Owner:	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	e Tyler		Fax #:		
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER : DATE	TPH BTEX Chlorides	Hold
41	BH-37-00 07 (2	01 X	×	×	
24	t	(4-5)	1 4	X X X	
5	a) 80-66-48	0-1)	2-16-22	XXX	
f., fe	()	(2-3)		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	X X I N X X
46	(6-7)	(t		VVV	× / andad star
CH	4 (9-10)		t	VVV	
84	BH-22-09 (0-1)		2-6-32	XXX	
64	(2-5)				×
LEASE NOTE: Liability and Dar alignes. All claims including tho rvice. In no event shall Cardina	(4-5) mages. Cardna's liability and client's exclusive re- rise for negligence and any other cause whatsoere al be liable for incidental or consequential damages	SD V V V V V V V V V V V State and the second state of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business intemptions, loss of use, or loss of profits incurred by client, its subsidialies,	r fort, shall be limited to the amount paid by i received by Cardinal within 30 days after com so of use, or loss of profits incurred by client.	he client for the pipelsion of the applicable its subsidiaries,	×
Relinquished By:	ad By: <i>Lee User</i> <b>Date:</b> ad By: <b>Date:</b> <b>Date:</b> <b>Time:</b> <b>Time:</b> <b>Time:</b> <b>Time:</b> <b>Time:</b>	03 T	Malle And	Phone Results: <u>Yes</u> No Fax Results: <u>Yes</u> No Email Results to: <i>PM</i>	D Add'I Phone #: D Add'I Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sircle One) 1, 6c	C-D. Se Sample Condition	n CHECKED BY: (Initials)		

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

Page 73 of 74

Page 06 of 07

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575	(575) 393-2326 FAX (575) 393-2476	176							Page Ub	Ub of Ut
Company Name: ConocoPhillips		1914	BILL TO				ANALYSIS		REQUEST	
Project Manager: Christian Llull	ristian Llull	9	P.O. #:	_		_				
Address: christian.llull@tetratech.com	Il@tetratech.com	0	Company: Tetra Tech		_		_	_		
City:	State:	Zip: At	Attn: Christian Llull			_		_	_	
Phone #: (512) 338-1667	667 Fax #: NA		Address: by email							_
Project #: 212C-MD-02499	02499 Project Owner:		City:				_	_		
Project Name: EVGS	Project Name: EVGSAU 3440-02 Flowline Release		State: Zip:		_			_		
Project Location: Lea County, New Mexico	a County, New Mexico	Id	Phone #:				_	_		
Sampler Name: Joe Tyler	Tyler	Fa	Fax #:			_			_	-
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	u,					_	
Lab I.D. HZZ06S8	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			
112	RH-27-09 (6-7)	X	X				*	-	1	-
52	(010)						*	201	DAND	IAS 2
S3	BH-22-10 (0-1)		EE-E1-E	×	×	×			-	
4S	BH-22-11 (0-1)			×	×	×				
SS	SH-22-12 (0-1)			×	×	×				
Sil	84-22-13 (0-1)			X	×	×				
57	BH-22-14 (0-1)			×	×	Xa				
52	BH-27-15 (0-1)		4	*	5	K				
65	BH-22-16 (0-1)		£6-31-6	X	×	X				
LASE NOTE: Liability and Damag analyses. All claims including those for service. In no event shall Cardinal be	PLEASE NOTE: Llability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the annulyses. All dains including those for negligence and any other cause whatsoever inhibito ether dains whether based in contract or fort, shall be limited to the amount paid by the client for the application of the application o	any claim arising whether based in contract or top e deemed waived unless made in writing and rece	At shall be limited to the amount paid by hived by Cardinal within 30 days after co	mpletion of the applica	sble	-	×			
Relinquished By:	By: Date: An	Received By:	ed upon any of the above stated reason	Phone Results:	Yes		Add'l Phone #:	one #:		
The Tyles Relinquished By:	Time: 7335	Caulton Juli	all I	Email Results to			Add'l Fax #:	<b>#</b>		
neiiiiquisited by:	Date: Time:	Received By:	/	PM						
Delivered By: (Circle One)	cle One) 1,60 0.6	Se Sample Condition	CHECKED BY:							
Sampler - UPS - Bus - Other:	1. bie	HI3 Pres Pres	YO.							

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

**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



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 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	48.0	16.0	03/09/2022	ND	400	100	400	0.00	
TPH 8015M	mg/kg			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 whose of use, or loss of profits incurred by client, its 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 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 clent'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 whose of use, or loss of profits incurred by client, its 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

Delivered By: (Circle One) Sampler - UPS - Bus - Ot	National and	Colton	analyses. All claims includin service. In no event shall Ca affiliates or successors arisin	PLEASE NOTE: Liability and				HULLOPOD	Lab I.D.	FOR LAB USE ONLY	Sampler Name:	¥	Project Name:	Project #: 2/2	Phone #:	City:	Address:	Project Manager:	Company Name:	
her:		Bickershaft	3 those for negligence and any oth rdinal be liable for incidental or cor a out of or related to the performant.	Damages. Cardina's liability and			SH-22-17 6		Sample I.D.		Coltan Bak	1 on M	BINE(AN 7	Project #: 2/2/-MD - 02499 Project Owner:				· Christian 2	Conors Philups	
Observed Temp. °C 9,6 Corrected Temp. °C 9, 1	Time:	Time 3/9/22	ner cause whatsoever shall be nsequental damages, including nce of services hereunder by C	client's exclusive remedy for a			6-13		I.D.		Kersheft	4. N/M	744m-000	9 Project Owne	Fax #:	State:		liste	clos	3/3) 393-2326 FAX (3/3) 393-24/6
Samp	2/8/21 veceived py:	/	14 5 0	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or lort, shall be limited to the amount paid by the client for the			×	# CON GROUI	3 OR (C)OMI TAINERS NDWATER WATER	MATRIX		10010	Peloate	a		Zip:				4/6
tion CHECKED BY: (Initials)	C	Make	nd received by Cardinal within 30 days a loss of use, or loss of profits incurred b n is based upon any of the above stated	t or loft, shall be limited to the amount				OTHEF ACID/B ICE / C OTHEF	R : ASE: OOL	PRESERV. SA	Fax #:	*	State: Zip:	City:	Address: by en	Attn: Christian	Company: Tetra	P.O. #:	BILL TO	
Turnaround Time: Thermometer ID #1: Correction Factor -0.	REMARNS:	All Results are em	after completion of the applicable y client, its subsidiaries, reasons or otherwise.	paid by the client for the			N	TIME	Р <u>н</u>	SAMPLING					non	LANN	tech		,	
Standard V Rush		All Results are emailed. Please provide Email address: Chrothan, Llun Otohotech. com					X	BI	BX			_	_			_			A	
		totatech up			-									_					ANALYSIS REC	
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes Nc Ves Corrected Temp. °C																		-	REQUEST	

# Received by OCD: 4/12/2022 2:52:30 PM

# Page 195 of 214

aboratories

Page 4 of 4

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

.

# APPENDIX F NMSLO Seed Mixture Details



USDA 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	11
Map Unit Descriptions	11
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.





.

•

	MAP INFORMATION
Area of Interest (AOI)     Spoil Area       Area of Interest (AOI)     Image: Story Spot	The soil surveys that comprise your AOI were mapped at 1:20,000.
Soils       Soil Map Unit Polygons       Wery Stony Spot         ✓       Soil Map Unit Lines       Wery Stony Spot         ✓       Soil Map Unit Points       Special Line Features         ✓       Blowout       Streams and Canals         ✓       Borrow Pit       Transportation         ✓       Clay Spot       ✓         ✓       Closed Depression       Interstate Highways         ✓       Gravel Pit       US Routes         ✓       Gravel Pit       US Routes         ✓       Gravel Pit       US Routes         ✓       Marsh or swamp       Maior Roads         ✓       Marsh or swamp       Aerial Photography         ✓       Mine or Quarry       Miscellaneous Water       ✓         ✓       Perennial Water       Sandy Spot       ✓         ✓       Sandy Spot       ✓       ✓         ✓       Sinkhole       ✓       ✓	<ul> <li>Warning: Soil Map may not be valid at this scale.</li> <li>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.</li> <li>Please rely on the bar scale on each map sheet for map measurements.</li> <li>Source of Map: Natural Resources Conservation Service Web Soil Survey URL: Coordinate System: Web Mercator (EPSG:3857)</li> <li>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.</li> <li>This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.</li> <li>Soil Survey Area: Lea County, New Mexico Survey Area Data: Version 18, Sep 10, 2021</li> <li>Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.</li> <li>Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020</li> </ul>

# **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

# **Custom Soil Resource Report**

# **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
<u>Shrubs:</u> Fourwing saltbush Common winterfat	Marana, Santa Rita VNS, Southern	1.0 0.5	D F
	Total PLS/acr	e 18.0	8 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 4:26:32 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	97952
	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 97952

.