Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2115824205
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☑ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☑ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☑ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☑ Description of remediation activities

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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Kelsy Waggaman Title: Environmental Engineer

Signature: Kelsy Waggaman Date: 9-23-21

email: Kelsy.Waggaman@ConocoPhillips.com Telephone: 505-577-9071

OCD Only

Received by: Chad Hensley Date: 10/13/2021

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Chad Hensley Date: 10/13/2021

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

TETRA TECH

September 23, 2021

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

Re: Release Characterization, Remediation and Closure Report
ConocoPhillips
EVGSAU 2717-006 Flowline Release
Unit Letter L, Section 26, Township 17 South, Range 35 East
Lea County, New Mexico
Incident ID: NAPP2115824205

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips (COP) to assess a release that occurred from the EVGSAU 2717-006 flowline in Lea County, New Mexico. The release footprint is located in Public Land Survey System (PLSS) Unit Letter L, Section 26, Township 17 South, Range 35 East, in Lea County, New Mexico (Site). The approximate release point occurred at the coordinates 32.804507°, -103.435158°, as shown in both Figure 1 and Figure 2.

BACKGROUND

According to the State of New Mexico C-141 Initial Report (Appendix A), the release was discovered on May 28, 2021. As documented on the C-141 form, a flowline failure resulted in the release of approximately 24.5 barrels (bbls) of produced water and 0.6 bbls of oil and encompassed an area of approximately 3,010 square feet of pasture. The release occurred along the flowline approximately 0.34 miles northeast of the EVGSAU 2717-006 wellhead (API #30-025-20835). During initial response, a vacuum truck was dispatched and recovered 15 bbls of produced water. The release area footprint was fenced as a portion of initial response. In accordance with 19.15.29.8. B.

The approximate release extent is shown in Figure 3. The New Mexico Oil Conservation District (NMOCD) received the C-141 report form for the release on June 8, 2021, and subsequently assigned the Site the Incident Identification (ID) NAPP2115824205. An extension request was filed with the NMOCD on August 24, 2021 for an additional 30 days following the initial 90 days. The extension request was approved by the NMOCD on August 26, 2021. The email correspondence from the NMOCD regarding the extension is found in Appendix G.

SITE CHARACTERIZATION

A site characterization was performed and no watercourses, sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, springs, 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 in an area of low karst potential. However, the release Site footprint is located within approximately 225 ft of a playa lake.

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The Site is within a New Mexico oil and gas production area. According to the New Mexico Office of the State Engineers (NMOSE) database, there are two (2) water wells within a ½ mile (800-meter) radius of the Site with an average depth to groundwater at 67 feet (ft) below ground surface (bgs). The recorded gauging data for both water wells was outside the NMOCD's 25-year gauging threshold. COP chose to remediate to the most stringent levels listed in Table 1 of 19.15.29 NMAC in lieu of drilling to determine the depth to groundwater. 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 chlorides in soil.

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

Constituent	RRAL
Chloride	600 mg/kg
TPH	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

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

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

SITE ASSESSMENT

As mentioned above, the release area footprint was fenced as a portion of initial response. In order to properly characterize the release footprint and achieve horizontal and vertical delineation of the release extent, Tetra Tech personnel conducted soil sampling on August 11, 2021. A total of seven (7) test pits were installed within and outside the release footprint. Three (3) test pits (T-1 through T-3) were installed inside the observed release area footprint to achieve vertical delineation. Four (4) test pits (T-4 through T-7) were installed along the perimeter of the observed release extent to achieve horizontal delineation. Soil samples collected were field screened for salinity parts per million (ppm) using an ExStik II EC 400 meter. Test pit locations are shown on Figure 3.

A total of twenty (20) samples were collected from the seven (7) test pits and submitted to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico to be analyzed for chlorides via EPA Method 4500.0, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B. A copy of the laboratory analytical report and chain-of-custody documentation is included in Appendix C. Photographic documentation of the release extent is included in Appendix D

SUMMARY OF SAMPLING RESULTS

Results from the August 2021 soil sampling event are summarized in Table 1. The sampling locations are shown in Figure 3. The analytical results associated with the interior test pit locations T-1 and T-2 exceeded the reclamation requirements for chloride (600 mg/kg) to depths of 4 feet bgs and 1-foot bgs, respectively. There were no other analytical results which exceeded the reclamation requirements for TPH, chlorides, or

BTEX. After review of the analytical results from the sampling event, both horizontal and vertical delineation was achieved during the August 2021 soil assessment activities.

REMEDIATION ACTIVITIES

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 August 2021. From August 31, 2021 to September 9, 2021, Tetra Tech personnel were onsite to supervise the remediation activities, including excavation, disposal, and confirmation sampling. Impacted soils were excavated until a representative sample from the walls and bottom of the excavation had a field screening value inferred as lower than the reclamation requirements and/or Site RRALs. Once field screening was completed, confirmation floor and sidewall samples were collected for laboratory analysis to verify that the impacted materials were properly removed. Each confirmation sample laboratory analytical result was directly compared to the reclamation requirements and/or Site RRALs to demonstrate compliance. In accordance with Subsection D of 19.15.29.12 NMAC, the NMOCD was notified via email prior to conducting final confirmation sampling.

Impacted soils were excavated using heavy equipment (backhoes and track hoes) until a representative sample from the walls and bottom of the excavation was below the reclamation requirements and/or Site RRALs. The impacted soil in the vicinity of location T-1 on the south side of the flowlines was initially excavated to 4 feet bgs. The remainder of the footprint, the area north of the flowlines containing test pit location T-2, was initially excavated to a depth of 1-foot bgs. Based on the site assessment analytical results, no remediation of the area containing test pit location T-3 was needed. Selected areas required additional excavation to collect a representative sample that was below the respective RRALs for that location. As the analytical results associated with these sample locations exceeded the respective RRAL, additional excavation was conducted at those locations until field screening results indicated closure criteria were attained.

Approximately 400 cubic yards of excavated material were transported to the R360 facility in Hobbs, New Mexico. Figure 4 shows the extent of excavation performed during the remediation/reclamation of the release extent. The remediated area encompasses approximately 3,200 square feet of surface area. Copies of the waste manifests are included in Appendix E.

CONFIRMATION SAMPLING RESULTS

In accordance with 19.15.29.12(D)(1)(b) NMAC, confirmation samples were collected such that each discrete sample (sidewall and floor) were representative of no more than 200 square feet of excavated area. A total of sixteen (16) floor sample locations and sixteen (16) sidewall sample locations were used during the remedial activities. Confirmation sidewall sample locations were categorized with the cardinal direction (N, E, S, W) followed by SW-#. Confirmation floor sample locations were labeled with “FS”-#.

Iterative confirmation samples were located to encompass the original sample locations that triggered removal (nomenclature defined in Table 2) post-additional excavation. If the sidewall area was expanded due to unacceptable confirmation sample results, the parentheses indicate the expansion iteration. For floor samples, the parentheses indicate the excavation floor depth from which the sample was collected. Excavated areas, depths and confirmation sample locations are shown in Figure 4.

Collected confirmation samples were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Eurofins-Xenco. The soil samples were analyzed for TPH (DRO and ORO) by EPA Method 8015, TPH Low Fraction (GRO) by EPA Method 8015D, BTEX by EPA Method 8021B, and chlorides by EPA Method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C.

Analytical results associated with the several confirmation sidewall locations exceeded the Site’s specific RRALs for chloride (600 mg/kg) resulting in additional horizontal expansion at those locations. Analytical results associated with several confirmation floor sample locations exceeded the Site’s specific RRALs for

chloride and TPH in same cases. After iterative confirmation sampling at the confirmation sampling locations, all final confirmation soil samples (floor and sidewall) were below the respective RRALs for chloride, BTEX, and TPH.

The results of the 2021 confirmation sampling events are summarized in Table 2. Once confirmation sampling activities were completed and associated analytical results were below the RRALs and/or reclamation requirements, the excavated areas were backfilled with clean material to surface grade. The remediated areas contain soil backfill consisting of suitable material to establish vegetation at the site.

RECLAMATION AND RESTORATION

The backfilled areas were seeded to aid in revegetation. Based on the soils at the Site, the New Mexico State Land Office (NMSLO) Coarse (CS) Sites Seed Mixture was used for seeding and was planted in the amount specified in the pounds pure live seed (PLS) per acre. The seed mixture was spread by cart-pulled seed drill equipped with a depth regulator.

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 growing season, the area will be reseeded as appropriate. Documentation of the soils and seed mixture used are included in Appendix F. Photographic documentation of the remediation, reclamation and restoration activities are included in Appendix D.

CONCLUSION

ConocoPhillips has completed remediation at the release site. This final closure report has been submitted within 120 days of discovery of the release. This final closure report details the release characterization and remediation activities and the results of the confirmation sampling. If you have any questions concerning the soil assessment, the remediation work, or confirmation sampling for the Site, please call me at (512) 338-2861.

Sincerely,
Tetra Tech, Inc.

Christian M. Llull, P.G.
Project Manager

cc:
Ms. Kelsy Waggaman, GPBU – ConocoPhillips
Mr. Luke Alejandro, GPBU – ConocoPhillips

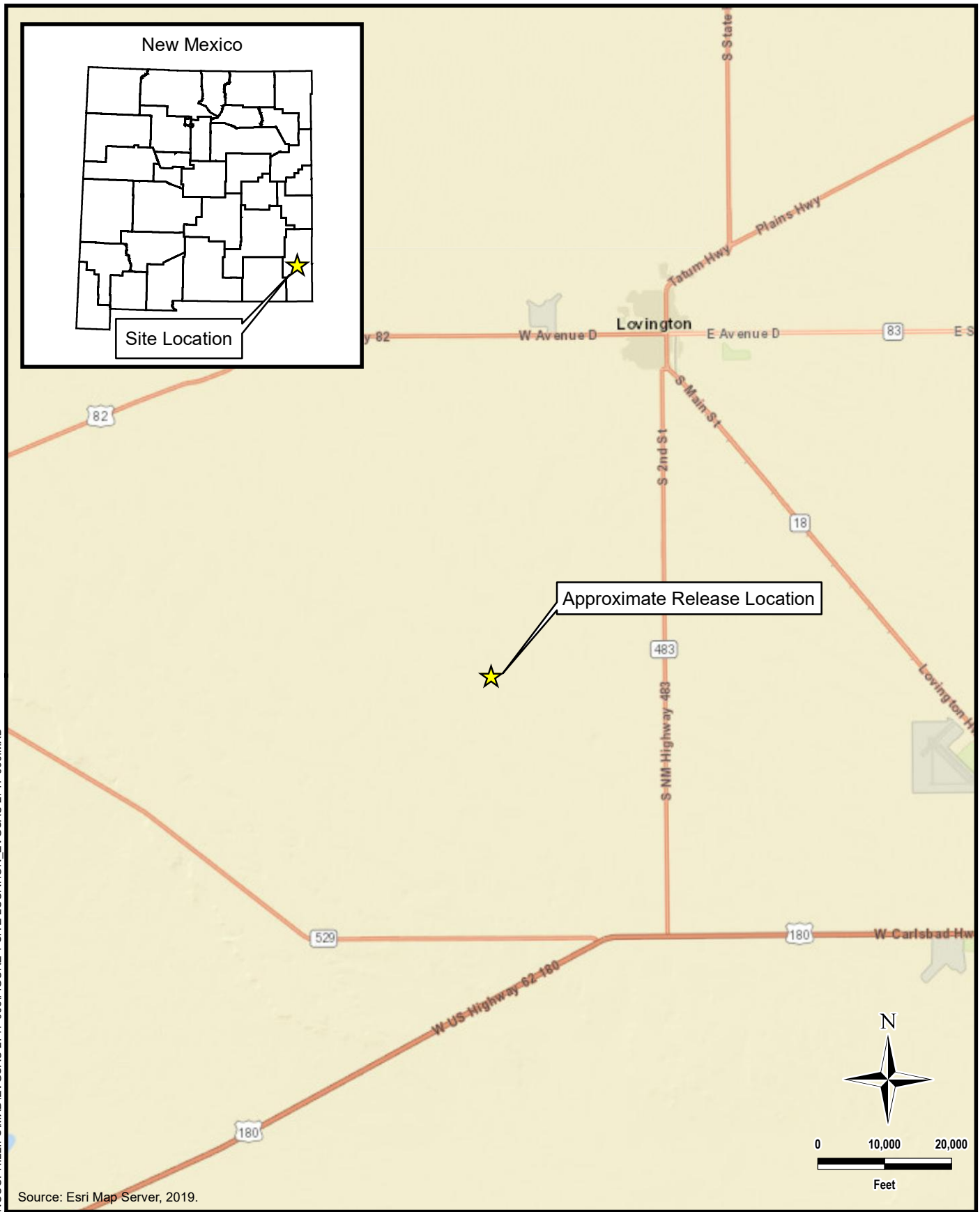
LIST OF ATTACHMENTS

Figures:

Tables:

Appendices:

FIGURES



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\EVGSAU 2717-006\FIGURE 1 SITE LOCATION_EVGSAU 2717-006.MXD

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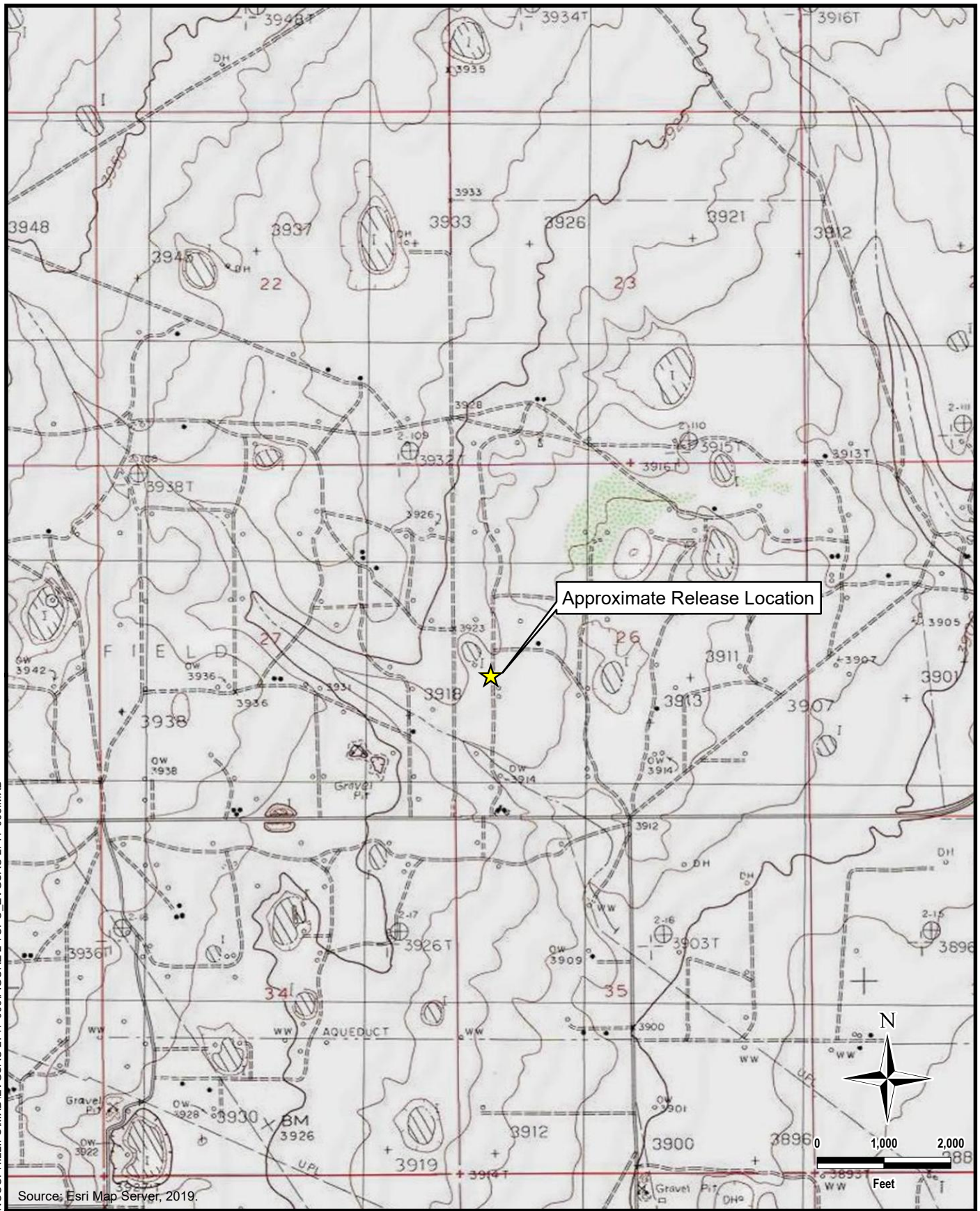
CONOCOPHILLIPS

ID# NAPP2115824205
(32.804384°, -103.435110°)
LEA COUNTY, NEW MEXICO

EVGSAU 2717-006 FLOWLINE RELEASE
SITE LOCATION MAP

PROJECT NO.:	212C-MD-02377
DATE:	AUGUST 13, 2021
DESIGNED BY:	AAM

Figure No.
1



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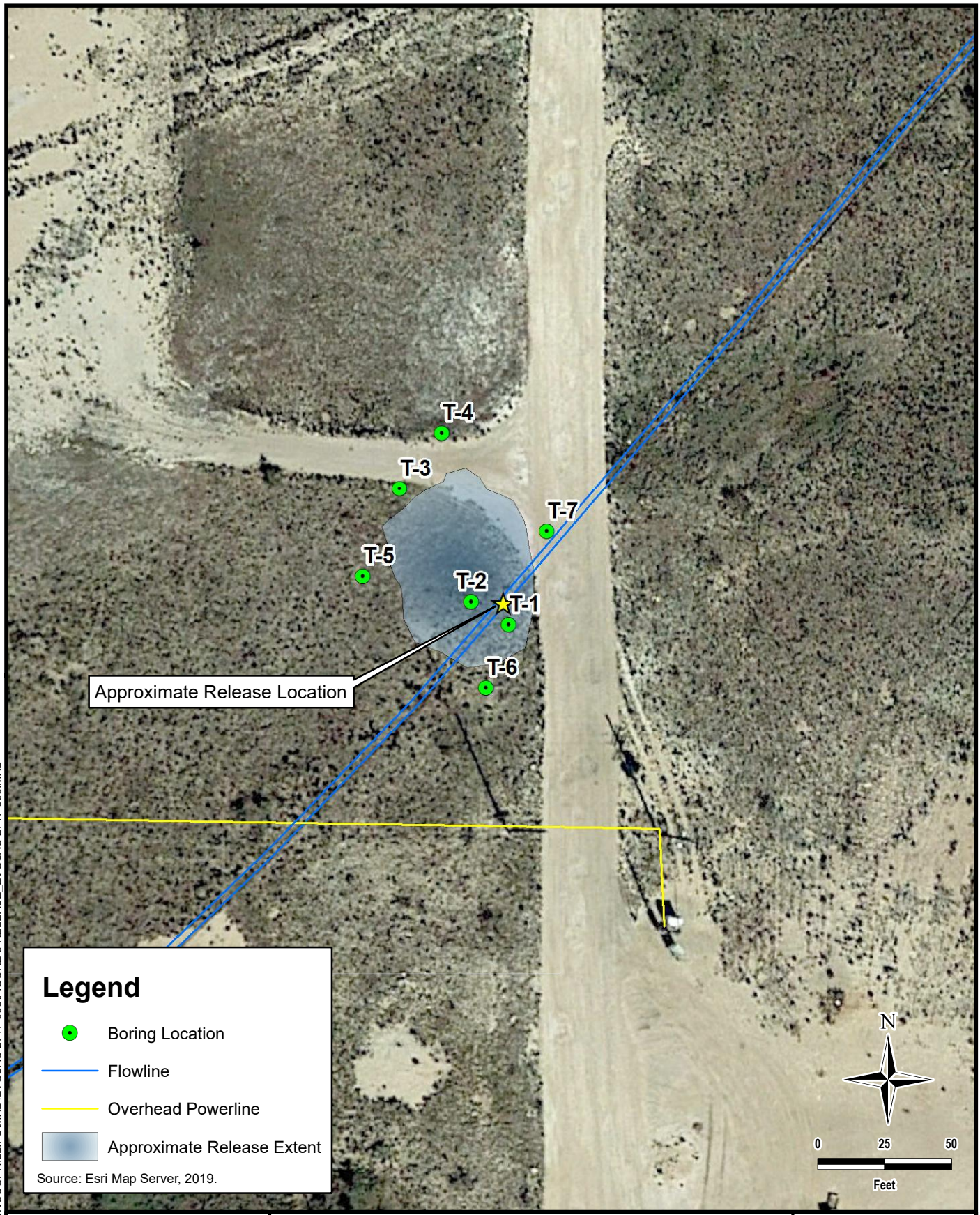
CONOCOPHILLIPS

ID# NAPP2115824205
(32.804384°, -103.435110°)
LEA COUNTY, NEW MEXICO

EVGSAU 2717-006 FLOWLINE RELEASE
TOPOGRAPHIC MAP

PROJECT NO.:	212C-MD-02377
DATE:	AUGUST 13, 2021
DESIGNED BY:	AAM

Figure No.
2



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\EVGSAU 2717-006\FIGURE 3 RELEASE_EVGSAU 2717-006.MXD

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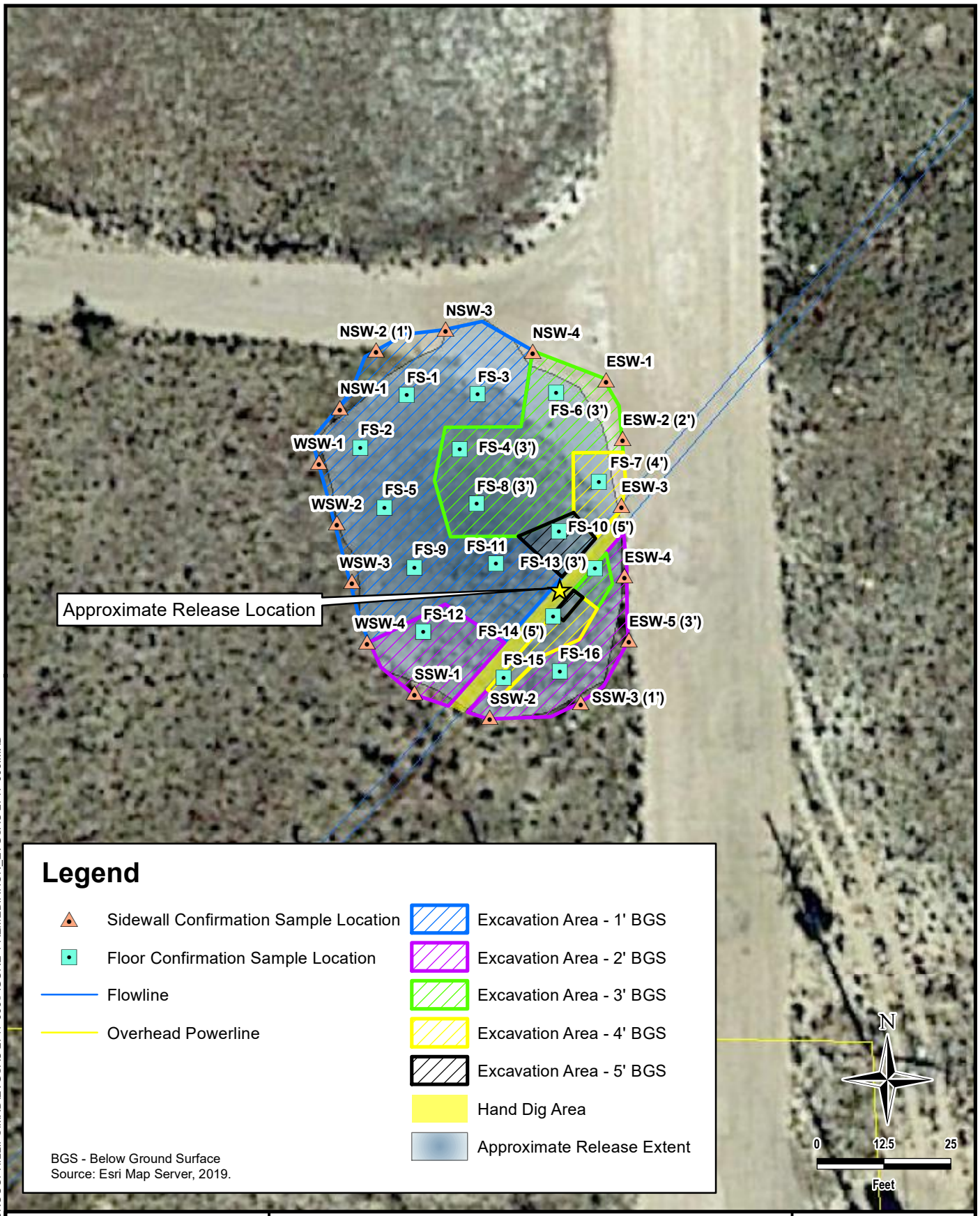
CONOCOPHILLIPS

ID# NAPP2115824205
(32.804384°, -103.435110°)
LEA COUNTY, NEW MEXICO

EVGSAU 2717-006 FLOWLINE RELEASE
APPROXIMATE RELEASE EXTENT AND ASSESSMENT

PROJECT NO.:	212C-MD-02377
DATE:	SEPTEMBER 23, 2021
DESIGNED BY:	AAM

Figure No.
3



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\EVGSAU 2717-006\FIGURE 4 REMEDIATION_EVGSAU 2717-006.MXD

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CONOCOPHILLIPS

ID# NAPP2115824205
(32.804384°, -103.435110°)
LEA COUNTY, NEW MEXICO

EVGSAU 2717-006 FLOWLINE RELEASE
REMEDIATION EXTENT AND SAMPLING LOCATIONS

PROJECT NO.:	212C-MD-02377
DATE:	SEPTEMBER 23, 2021
DESIGNED BY:	AAM

Figure No.
4

TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
INITIAL SOIL ASSESSMENT - NAPP2115824205
CONOCOPHILLIPS
EVGSAU 2717-006 FLOWLINE RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride[1]		BTEX[2]										TPH[3]							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH	
															C_6 - C_{10}		>C_{10} - C_{28}		>C_{28} - C_{36}		(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	
T-1	8/11/2021	0-1	***1,540***		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		1-2	***2,840***		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		2-3	***1,020***		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		3-4	***848***		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		4-5	352		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
T-2	8/11/2021	0-1	***688***		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		1-2	464		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		2-3	432		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		3-4	224		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
T-3	8/11/2021	0-1	80.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		1-2	96.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		2-3	80.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
T-4	8/11/2021	0-1	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		1-2	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
T-5	8/11/2021	0-1	64.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		1-2	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
T-6	8/11/2021	0-1	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		1-2	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
T-7	8/11/2021	0-1	512		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		1-2	320		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

NA Sample not analyzed for constituent

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

Bold and italicized values indicate exceedance of proposed RRALs

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
CONFIRMATION SAMPLING - NAPP2115824205
CONOCOPHILLIPS
EVGSAU 2717-006 FLOWLINE RELEASE
LEA COUNTY, NEW MEXICO

Sample ID	Sample Depth	Sample Date	Field Screening Results		Chloride[1]		BTEX[2]										TPH[3]									
			Chloride	PID			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		ORO		Total TPH			
																	C_6 - C_{10}		C_{10} - C_{28}		C_{28} - C_{36}					
	ft. bgs		ppm		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	Q		
FS-1	1	8/31/2021	274	-	236		< 0.00200	F2 F1	< 0.00200	F2 F1	< 0.00200	F2 F1	< 0.00399	F2 F1	< 0.00399	F2 F1	< 49.9		< 49.9		< 49.9		< 49.9			
FS-2	1	8/31/2021	133	-	77		< 0.00200	*- *1	< 0.00200		0.0190		0.0147		0.0337		< 49.8		< 49.8		< 49.8		< 49.8			
FS-3	1	8/31/2021	524	-	458		< 0.00198	*- *1	< 0.00198		< 0.00198		< 0.00369		< 0.00369		< 49.9		65.2		< 49.9		65.2			
FS-4	1	8/31/2021	376	-	527		< 0.00200	*- *1	< 0.00200		0.00527		< 0.00401		0.00527		< 49.9		145		< 49.9		***145***			
FS-4 (2')	2	9/8/2021	324	-	***793***		< 0.00200		< 0.00200		< 0.00200		< 0.00401		< 0.00401		< 49.8		< 49.8		< 49.8		< 49.8			
FS-4 (3')	3	9/13/2021	-	-	176		0.0105		0.0604		< 0.00200		0.138		0.2089		< 49.8		< 49.8		< 49.8		< 49.8			
FS-5	1	9/1/2021	548	-	527		< 0.00198	F1	< 0.00198	F1	< 0.00198	F1	< 0.00397	F1 F2	< 0.00397	F1 F2	< 50.0		69.0		< 50.0		69.0			
FS-6	2	9/2/2021	453	-	***975***		< 0.00201		< 0.00201		< 0.00201		< 0.00402		< 0.00402	F1 F2	< 50.0		< 50.0		< 50.0		< 50.0			
FS-6 (3')	3	9/13/2021	-	-	266		0.00201		0.00201		0.0091		< 0.00402		< 0.00402		< 50.0		< 50.0		< 50.0		< 50.0			
FS-7	2	9/2/2021	498	-	***771***		< 0.00202		< 0.00202		0.00245		< 0.00403		< 0.00403		< 49.9		< 49.9		< 49.9		< 49.9			
FS-7 (4')	4	9/13/2021	-	-	286		0.00199		0.00199		0.00199		0.00398		0.00398		< 49.9		< 49.9		< 49.9		< 49.9			
FS-8	3	9/2/2021	319	-	330		< 0.00201		< 0.00201		< 0.00201		< 0.00402		< 0.00402		< 49.8		< 49.8		< 49.8		< 49.8			
FS-9	1	8/31/2021	436	-	381		< 0.00201	*- *1	< 0.00201		< 0.00201		< 0.00402		< 0.00402		< 49.8		< 49.8		< 49.8		< 49.8			
FS-10	4	9/2/2021	350	-	***768***		< 0.00200		< 0.00200		< 0.00200		< 0.00399		< 0.00399		< 49.9		< 49.9		< 49.9		< 49.9			
FS-10 (5')	5	9/13/2021	-	-	68.3		0.00201		0.00201		0.00201		0.00402		0.00402		< 49.9		< 49.9		< 49.9		< 49.9			
FS-11	1	8/31/2021	428	-	596		< 0.00199	*- *1	0.00383		< 0.00199		< 0.00398		< 0.00398		< 50.0		< 50.0		< 50.0		< 50.0			
FS-12	2	9/1/2021	424	-	549		< 0.00199		< 0.00199		< 0.00199		< 0.00398		< 0.00398		< 49.9		< 49.9		< 49.9		< 49.9			
FS-13	2	9/1/2021	260	-	196		< 0.00200		< 0.00200		< 0.00200		< 0.00400		< 0.00400		< 49.8		219		< 49.8		***219***			
FS-13 (3')	3	9/8/2021	292	-	382		< 0.00201		< 0.00201		< 0.00201		< 0.00402		< 0.00402		< 49.7		< 49.7		< 49.7		< 49.7			
FS-14	4	9/1/2021	541	-	***958***		< 0.00198		< 0.00198		< 0.00198		< 0.00397		< 0.00397		< 49.9		348		< 49.9		***348***			
FS-14 (5')	5	9/8/2021	318	-	284		< 0.00200		< 0.00200		< 0.00200		< 0.00401		< 0.00401		< 50.0		< 50.0		< 50.0		< 50.0			
FS-15	4	9/1/2021	257	-	261		< 0.00200		< 0.00200		< 0.00200		< 0.00400		< 0.00400		< 49.8		< 49.8		< 49.8		< 49.8			
FS-16	2	9/1/2021	366	-	379		< 0.00200		< 0.00200		< 0.00200		< 0.00400		< 0.00400		< 49.9		< 49.9		< 49.9		< 49.9			
NSW-1	-	8/31/2021	129	-	113		0.00511	*- *1	< 0.00202		< 0.00202		< 0.00404		0.00511		< 49.8		< 49.8		< 49.8		< 49.8			
NSW-2	-	8/31/2021	390	-	***609***		< 0.00202	*- *1	< 0.00202		< 0.00202		< 0.00403		< 0.00403		< 50.0		< 50.0		< 50.0		< 50.0			
NSW-2 (1')	-	9/7/2021	255	-	216		< 0.00199		< 0.00199		< 0.00199		< 0.00398		< 0.00398		< 49.9		< 49.9		< 49.9		< 49.9			
NSW-3	-	9/1/2021	443	-	469		< 0.00201		< 0.00201		< 0.00201		< 0.00402		< 0.00402		< 49.9		< 49.9		< 49.9		< 49.9			
NSW-4	-	8/31/2021	448	-	364		< 0.00199	*- *1	< 0.00199		< 0.00199		< 0.00398		< 0.00398		< 50.0		< 50.0		< 50.0		< 50.0			
ESW-1	-	9/1/2021	353	-	409		< 0.00200		< 0.00200		< 0.00200		< 0.00399		< 0.00399		< 49.8		< 49.8		< 49.8		< 49.8			
ESW-2	-	9/1/2021	481	-	***832***		< 0.00200		< 0.00200		< 0.00200		< 0.00399		< 0.00399		< 50.0		< 50.0		< 50.0		< 50.0			
ESW-2 (2')	-	9/7/2021	156	-	149		< 0.00201		< 0.00201		< 0.00201		< 0.00402		< 0.00402		< 50.0		< 50.0		< 50.0		< 50.0			
ESW-3	-	9/1/2021	412	-	498		< 0.00201		< 0.00201		< 0.00201		< 0.00402		< 0.00402		< 50.0		< 50.0		< 50.0		< 50.0			
ESW-4	-	9/1/2021	452	-	130		< 0.00200		< 0.00200		< 0.00200		< 0.00400		< 0.00400		< 49.9		< 49.9		< 49.9		< 49.9			
ESW-5	-	8/31/2021	650	-	***905***		< 0.00200	*- *1	< 0.00200		< 0.00200		< 0.00400		< 0.00400		< 49.9		< 49.9		< 49.9		< 49.9			
ESW-5 (3')	-	9/7/2021	124	-	116		< 0.00200		< 0.00200		< 0.00200		< 0.00399		< 0.00399		< 49.8		< 49.8		< 49.8		< 49.8			
SSW-1	-	8/31/2021	144	-	156		< 0.00200	*- *1	< 0.00200		< 0.00200		< 0.00401		< 0.00401		< 50.0		< 50.0		< 50.0		< 50.0			
SSW-2	-	9/1/2021	252	-	210		< 0.00200		< 0.00200		< 0.00200		< 0.00401		< 0.00401		< 49.8		< 49.8		< 49.8		< 49.8			
SSW-3	-	9/1/2021	367	-	***607***		< 0.00200		< 0.00200		< 0.00200		< 0.00399		< 0.00399		< 49.9		< 49.9		< 49.9		< 49.9			
SSW-3 (1')	-	9/7/2021	368	-	337		< 0.00200		< 0.00200		< 0.00200		< 0.00399		< 0.00399		< 49.9		< 49.9		< 49.9		< 49.9			
WSW-1	-	8/31/2021	260	-	140		< 0.00200	*- *1	< 0.00200		< 0.00200		< 0.00400		< 0.00400		< 49.9		< 49.9		< 49.9		< 49.9			
WSW-2	-	8/31/2021	153	-	143		< 0.00201	*- *1	0.0123		0.00352		< 0.00402		0.0158		< 49.8		< 49.8		< 49.8		< 49.8			
WSW-3	-	8/31/2021	176	-	251		< 0.00200	*- *1	< 0.00200		< 0.00200		< 0.00399		< 0.00399		< 49.9		< 49.9		< 49.9		< 49.9			
WSW-4	-	8/31/2021	184	-	144		< 0.00202	*- *1	< 0.00202		< 0.00202		< 0.00403		< 0.00403		< 50.0		< 50.0		< 50.0		< 50.0			

NOTES:

ft. Feet
bgs Below ground surface
ppm Parts per million
mg/kg Milligrams per kilogram
TPH Total Petroleum Hydrocarbons
GRO Gasoline range organics
DRO Diesel range organics
ORO Oil range organics

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

Gold highlight represents soil horizons that were removed during deepening of excavation floors.

Green highlight represents soil intervals that were removed during horizontal expansion of excavation sidewalls.

* These iterative samples are located to encompass the original sample location that triggered removal, with further excavation in each area indicated in ().

QUALIFIERS:

F1 MS and/or MSD recovery exceeds control limits.
F2 MS/MSD RPD exceeds control limits

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	NAPP2115824205
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # *(assigned by OCD)*
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# *(if applicable)*

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2115824205
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

- ☐ The source of the release has been stopped.
- ☐ The impacted area has been secured to protect human health and the environment.
- ☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☐ All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Ramona Marcus Date: 6/8/2021

L48 Spill Volume Estimate Form

Facility Name & Number:	EVGSAU 2717-006
Asset Area:	SENM (Buckeye)
Release Discovery Date & Time:	12:04P.M. 5/29/21
Release Type:	Oil Mixture
e any known details about the event:	Flowline leak resulted into production oil and water to spill. 15 bbls of standing fluid was picked up by the vac truck. MSO isolated flowline leak by shuting in the wellhead valve and header valve.

Spill Calculation - Subsurface Spill - Rectangle

Was the release on pad or off-pad?	On Pad - 10.5%; Off Pad - 15.12% soil spilled-fluid saturation factor
least a half inch in the last 24 hours?	Yes, On Pad - 8%; Off Pad - 13.57% soil spilled-fluid saturation factor; if No, use factors above.

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.)
70.0	43.0	1.50	15.12%	66.973	10.126	6.00%	0.608	9.519
				0.000	0.000	0.00%	0.000	0.000
				0.000	0.000	0.00%	0.000	0.000
				0.000	0.000	0.00%	0.000	0.000
				0.000	0.000	0.00%	0.000	0.000
				0.000	0.000		0.000	0.000
				0.000	0.000		0.000	0.000
				0.000	0.000		0.000	0.000
				0.000	0.000		0.000	0.000
				0.000	0.000		0.000	0.000
				Total Volume Release:	10.126		0.608	9.519

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: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 30965
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	None	6/8/2021

State of New Mexico
Oil Conservation Division

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☐ Description of remediation activities

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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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 has been replaced, O=orphaned, C=the file is closed)

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

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 04881	L	LE	1	3		26	17S	35E	646556	3630644*	57	137	50	87
L 04859	L	LE	4	4	4	27	17S	35E	646258	3630135*	607	145	85	60

Average Depth to Water: **67 feet**

Minimum Depth: **50 feet**

Maximum Depth: **85 feet**

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 646515.686 **Northing (Y):** 3630684.85 **Radius:** 800

***UTM location was derived from PLSS - see Help**

New Mexico NFHL Data

August 5, 2021

1:4,514

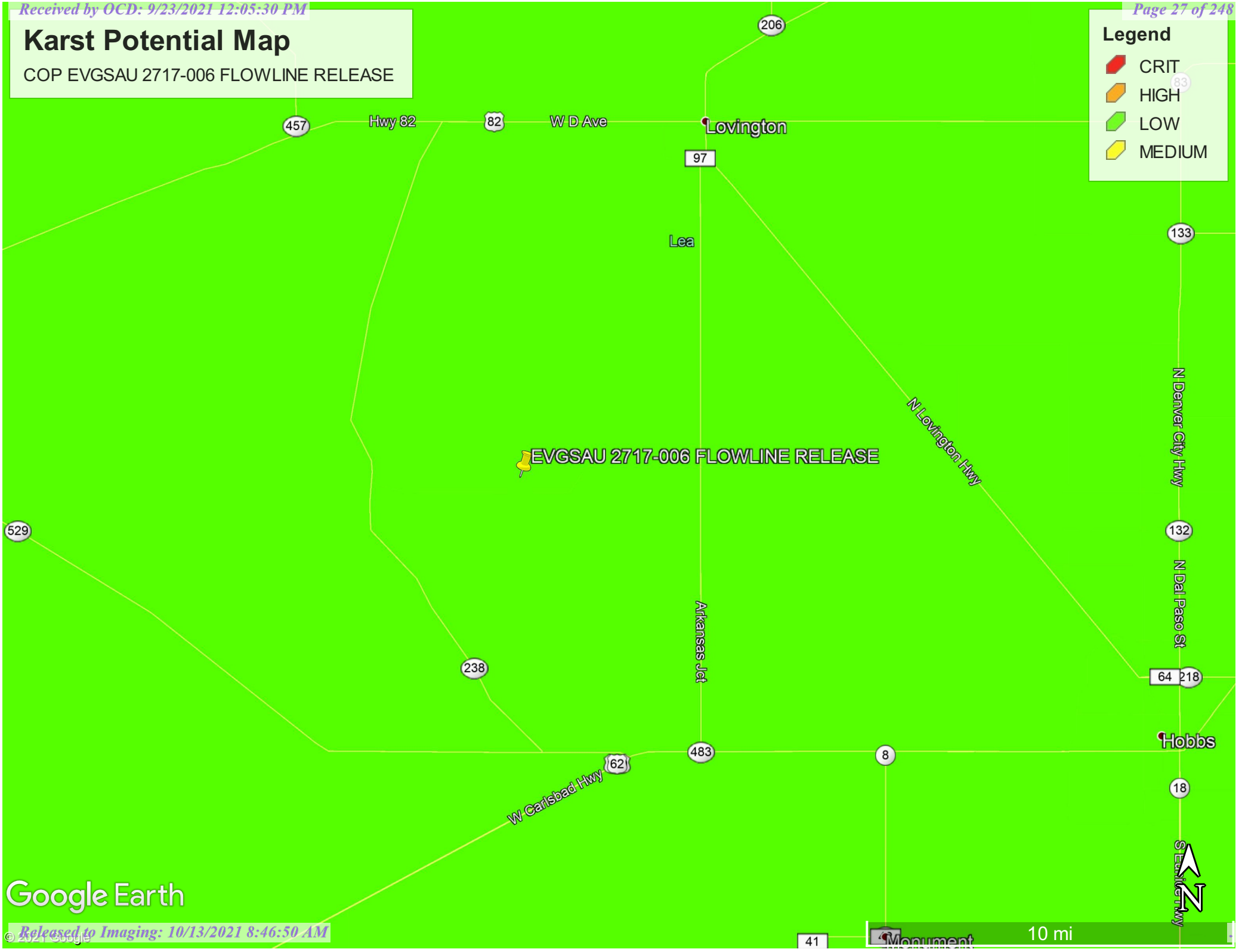
0 0.0375 0.075 0.15 mi

0 0.05 0.1 0.2 km

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Karst Potential Map

COP EVGSAU 2717-006 FLOWLINE RELEASE



APPENDIX C
Laboratory Analytical Data

CARDINAL Laboratories

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

August 13, 2021

JOE TYLER

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: EVGSAU 2717-006

Enclosed are the results of analyses for samples received by the laboratory on 08/11/21 16:12.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/11/2021	Sampling Date:	08/11/2021
Reported:	08/13/2021	Sampling Type:	Soil
Project Name:	EVGSAU 2717-006	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02377	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: T - 1 0-1 (H212140-01)

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	08/12/2021	ND	1.96	98.1	2.00	9.69	
Toluene*	<0.050	0.050	08/12/2021	ND	2.05	102	2.00	8.86	
Ethylbenzene*	<0.050	0.050	08/12/2021	ND	1.96	98.2	2.00	8.49	
Total Xylenes*	<0.150	0.150	08/12/2021	ND	5.81	96.9	6.00	8.14	
Total BTEX	<0.300	0.300	08/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1540**	16.0	08/12/2021	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	08/12/2021	ND	194	96.8	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/12/2021	ND	201	100	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/12/2021	ND					

Surrogate: 1-Chlorooctane *82.0 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *82.8 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/11/2021	Sampling Date:	08/11/2021
Reported:	08/13/2021	Sampling Type:	Soil
Project Name:	EVGSAU 2717-006	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02377	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: T - 1 1-2 (H212140-02)

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	08/12/2021	ND	1.96	98.1	2.00	9.69	
Toluene*	<0.050	0.050	08/12/2021	ND	2.05	102	2.00	8.86	
Ethylbenzene*	<0.050	0.050	08/12/2021	ND	1.96	98.2	2.00	8.49	
Total Xylenes*	<0.150	0.150	08/12/2021	ND	5.81	96.9	6.00	8.14	
Total BTEX	<0.300	0.300	08/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2840**	16.0	08/12/2021	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	08/12/2021	ND	194	96.8	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/12/2021	ND	201	100	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/12/2021	ND					

Surrogate: 1-Chlorooctane *88.9 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *85.6 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/11/2021	Sampling Date:	08/11/2021
Reported:	08/13/2021	Sampling Type:	Soil
Project Name:	EVGSAU 2717-006	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02377	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: T - 1 2-3 (H212140-03)

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	08/12/2021	ND	1.96	98.1	2.00	9.69	
Toluene*	<0.050	0.050	08/12/2021	ND	2.05	102	2.00	8.86	
Ethylbenzene*	<0.050	0.050	08/12/2021	ND	1.96	98.2	2.00	8.49	
Total Xylenes*	<0.150	0.150	08/12/2021	ND	5.81	96.9	6.00	8.14	
Total BTEX	<0.300	0.300	08/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1020**	16.0	08/12/2021	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	08/12/2021	ND	194	96.8	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/12/2021	ND	201	100	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/12/2021	ND					

Surrogate: 1-Chlorooctane *82.3 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *80.6 %* *38.9-142*

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CARDINAL Laboratories

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Analytical Results For:

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

Received:	08/11/2021	Sampling Date:	08/11/2021
Reported:	08/13/2021	Sampling Type:	Soil
Project Name:	EVGSAU 2717-006	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02377	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: T - 1 3-4 (H212140-04)

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	08/12/2021	ND	1.96	98.1	2.00	9.69	
Toluene*	<0.050	0.050	08/12/2021	ND	2.05	102	2.00	8.86	
Ethylbenzene*	<0.050	0.050	08/12/2021	ND	1.96	98.2	2.00	8.49	
Total Xylenes*	<0.150	0.150	08/12/2021	ND	5.81	96.9	6.00	8.14	
Total BTEX	<0.300	0.300	08/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**848**	16.0	08/12/2021	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	08/12/2021	ND	194	96.8	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/12/2021	ND	201	100	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/12/2021	ND					

Surrogate: 1-Chlorooctane *80.5 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *77.6 %* *38.9-142*

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Analytical Results For:

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

Received:	08/11/2021	Sampling Date:	08/11/2021
Reported:	08/13/2021	Sampling Type:	Soil
Project Name:	EVGSAU 2717-006	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02377	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: T - 1 4-5 (H212140-05)

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	08/12/2021	ND	1.96	98.1	2.00	9.69	
Toluene*	<0.050	0.050	08/12/2021	ND	2.05	102	2.00	8.86	
Ethylbenzene*	<0.050	0.050	08/12/2021	ND	1.96	98.2	2.00	8.49	
Total Xylenes*	<0.150	0.150	08/12/2021	ND	5.81	96.9	6.00	8.14	
Total BTEX	<0.300	0.300	08/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**352**	16.0	08/12/2021	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	08/12/2021	ND	194	96.8	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/12/2021	ND	201	100	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/12/2021	ND					

Surrogate: 1-Chlorooctane *82.0 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *78.7 %* *38.9-142*

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Analytical Results For:

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

Received:	08/11/2021	Sampling Date:	08/11/2021
Reported:	08/13/2021	Sampling Type:	Soil
Project Name:	EVGSAU 2717-006	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02377	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: T - 2 0-1 (H212140-06)

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	08/12/2021	ND	1.96	98.1	2.00	9.69	
Toluene*	<0.050	0.050	08/12/2021	ND	2.05	102	2.00	8.86	
Ethylbenzene*	<0.050	0.050	08/12/2021	ND	1.96	98.2	2.00	8.49	
Total Xylenes*	<0.150	0.150	08/12/2021	ND	5.81	96.9	6.00	8.14	
Total BTEX	<0.300	0.300	08/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**688**	16.0	08/12/2021	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	08/12/2021	ND	194	96.8	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/12/2021	ND	201	100	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/12/2021	ND					

Surrogate: 1-Chlorooctane *83.4 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *82.3 %* *38.9-142*

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Analytical Results For:

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

Received:	08/11/2021	Sampling Date:	08/11/2021
Reported:	08/13/2021	Sampling Type:	Soil
Project Name:	EVGSAU 2717-006	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02377	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: T - 2 1-2 (H212140-07)

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	08/12/2021	ND	1.96	98.1	2.00	9.69	
Toluene*	<0.050	0.050	08/12/2021	ND	2.05	102	2.00	8.86	
Ethylbenzene*	<0.050	0.050	08/12/2021	ND	1.96	98.2	2.00	8.49	
Total Xylenes*	<0.150	0.150	08/12/2021	ND	5.81	96.9	6.00	8.14	
Total BTEX	<0.300	0.300	08/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**464**	16.0	08/12/2021	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	08/12/2021	ND	194	96.8	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/12/2021	ND	201	100	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/12/2021	ND					

Surrogate: 1-Chlorooctane *82.8 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *83.4 %* *38.9-142*

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CARDINAL Laboratories

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Analytical Results For:

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

Received:	08/11/2021	Sampling Date:	08/11/2021
Reported:	08/13/2021	Sampling Type:	Soil
Project Name:	EVGSAU 2717-006	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02377	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: T - 2 2-3 (H212140-08)

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	08/12/2021	ND	1.96	98.1	2.00	9.69	
Toluene*	<0.050	0.050	08/12/2021	ND	2.05	102	2.00	8.86	
Ethylbenzene*	<0.050	0.050	08/12/2021	ND	1.96	98.2	2.00	8.49	
Total Xylenes*	<0.150	0.150	08/12/2021	ND	5.81	96.9	6.00	8.14	
Total BTEX	<0.300	0.300	08/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**432**	16.0	08/12/2021	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	08/12/2021	ND	194	96.8	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/12/2021	ND	201	100	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/12/2021	ND					

Surrogate: 1-Chlorooctane *81.8 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *85.0 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	08/11/2021	Sampling Date:	08/11/2021
Reported:	08/13/2021	Sampling Type:	Soil
Project Name:	EVGSAU 2717-006	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02377	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: T - 2 3-4 (H212140-09)

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	08/12/2021	ND	1.96	98.1	2.00	9.69	
Toluene*	<0.050	0.050	08/12/2021	ND	2.05	102	2.00	8.86	
Ethylbenzene*	<0.050	0.050	08/12/2021	ND	1.96	98.2	2.00	8.49	
Total Xylenes*	<0.150	0.150	08/12/2021	ND	5.81	96.9	6.00	8.14	
Total BTEX	<0.300	0.300	08/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	08/12/2021	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	08/12/2021	ND	194	96.8	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/12/2021	ND	201	100	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/12/2021	ND					

Surrogate: 1-Chlorooctane *82.6 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *81.3 %* *38.9-142*

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Analytical Results For:

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

Received:	08/11/2021	Sampling Date:	08/11/2021
Reported:	08/13/2021	Sampling Type:	Soil
Project Name:	EVGSAU 2717-006	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02377	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: T - 3 0-1 (H212140-10)

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	08/12/2021	ND	1.96	98.1	2.00	9.69	
Toluene*	<0.050	0.050	08/12/2021	ND	2.05	102	2.00	8.86	
Ethylbenzene*	<0.050	0.050	08/12/2021	ND	1.96	98.2	2.00	8.49	
Total Xylenes*	<0.150	0.150	08/12/2021	ND	5.81	96.9	6.00	8.14	
Total BTEX	<0.300	0.300	08/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *69.9-140*

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	08/12/2021	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	08/12/2021	ND	194	96.8	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/12/2021	ND	201	100	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/12/2021	ND					

Surrogate: 1-Chlorooctane *84.8 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *81.0 %* *38.9-142*

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Analytical Results For:

TETRA TECH
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Fax To: (432) 682-3946

Received:	08/11/2021	Sampling Date:	08/11/2021
Reported:	08/13/2021	Sampling Type:	Soil
Project Name:	EVGSAU 2717-006	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02377	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: T - 3 1-2 (H212140-11)

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	08/12/2021	ND	1.96	98.1	2.00	9.69	
Toluene*	<0.050	0.050	08/12/2021	ND	2.05	102	2.00	8.86	
Ethylbenzene*	<0.050	0.050	08/12/2021	ND	1.96	98.2	2.00	8.49	
Total Xylenes*	<0.150	0.150	08/12/2021	ND	5.81	96.9	6.00	8.14	
Total BTEX	<0.300	0.300	08/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	08/12/2021	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	08/12/2021	ND	194	96.8	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/12/2021	ND	201	100	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/12/2021	ND					

Surrogate: 1-Chlorooctane *84.3 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *81.5 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/11/2021	Sampling Date:	08/11/2021
Reported:	08/13/2021	Sampling Type:	Soil
Project Name:	EVGSAU 2717-006	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02377	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: T - 3 2-3 (H212140-12)

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	08/12/2021	ND	1.96	98.1	2.00	9.69	
Toluene*	<0.050	0.050	08/12/2021	ND	2.05	102	2.00	8.86	
Ethylbenzene*	<0.050	0.050	08/12/2021	ND	1.96	98.2	2.00	8.49	
Total Xylenes*	<0.150	0.150	08/12/2021	ND	5.81	96.9	6.00	8.14	
Total BTEX	<0.300	0.300	08/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *69.9-140*

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	08/12/2021	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	08/12/2021	ND	194	96.8	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/12/2021	ND	201	100	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/12/2021	ND					

Surrogate: 1-Chlorooctane *88.3 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *85.6 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	08/11/2021	Sampling Date:	08/11/2021
Reported:	08/13/2021	Sampling Type:	Soil
Project Name:	EVGSAU 2717-006	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02377	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: T - 4 0-1 (H212140-13)

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	08/12/2021	ND	1.96	98.1	2.00	9.69	
Toluene*	<0.050	0.050	08/12/2021	ND	2.05	102	2.00	8.86	
Ethylbenzene*	<0.050	0.050	08/12/2021	ND	1.96	98.2	2.00	8.49	
Total Xylenes*	<0.150	0.150	08/12/2021	ND	5.81	96.9	6.00	8.14	
Total BTEX	<0.300	0.300	08/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *69.9-140*

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	08/12/2021	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	08/12/2021	ND	194	96.8	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/12/2021	ND	201	100	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/12/2021	ND					

Surrogate: 1-Chlorooctane *83.4 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *84.0 %* *38.9-142*

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CARDINAL Laboratories

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Analytical Results For:

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

Received:	08/11/2021	Sampling Date:	08/11/2021
Reported:	08/13/2021	Sampling Type:	Soil
Project Name:	EVGSAU 2717-006	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02377	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: T - 4 1-2 (H212140-14)

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	08/12/2021	ND	1.96	98.1	2.00	9.69	
Toluene*	<0.050	0.050	08/12/2021	ND	2.05	102	2.00	8.86	
Ethylbenzene*	<0.050	0.050	08/12/2021	ND	1.96	98.2	2.00	8.49	
Total Xylenes*	<0.150	0.150	08/12/2021	ND	5.81	96.9	6.00	8.14	
Total BTEX	<0.300	0.300	08/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *69.9-140*

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	08/12/2021	ND	400	100	400	3.92	

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	08/12/2021	ND	194	96.8	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/12/2021	ND	201	100	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/12/2021	ND					

Surrogate: 1-Chlorooctane *85.5 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *86.4 %* *38.9-142*

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Analytical Results For:

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

Received:	08/11/2021	Sampling Date:	08/11/2021
Reported:	08/13/2021	Sampling Type:	Soil
Project Name:	EVGSAU 2717-006	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02377	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: T - 5 0-1 (H212140-15)

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	08/12/2021	ND	1.96	98.1	2.00	9.69	
Toluene*	<0.050	0.050	08/12/2021	ND	2.05	102	2.00	8.86	
Ethylbenzene*	<0.050	0.050	08/12/2021	ND	1.96	98.2	2.00	8.49	
Total Xylenes*	<0.150	0.150	08/12/2021	ND	5.81	96.9	6.00	8.14	
Total BTEX	<0.300	0.300	08/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	08/12/2021	ND	400	100	400	3.92	

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	08/12/2021	ND	194	96.8	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/12/2021	ND	201	100	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/12/2021	ND					

Surrogate: 1-Chlorooctane *83.7 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *82.8 %* *38.9-142*

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

Analytical Results For:

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

Received:	08/11/2021	Sampling Date:	08/11/2021
Reported:	08/13/2021	Sampling Type:	Soil
Project Name:	EVGSAU 2717-006	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02377	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: T - 5 1-2 (H212140-16)

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	08/12/2021	ND	1.96	98.1	2.00	9.69	
Toluene*	<0.050	0.050	08/12/2021	ND	2.05	102	2.00	8.86	
Ethylbenzene*	<0.050	0.050	08/12/2021	ND	1.96	98.2	2.00	8.49	
Total Xylenes*	<0.150	0.150	08/12/2021	ND	5.81	96.9	6.00	8.14	
Total BTEX	<0.300	0.300	08/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *69.9-140*

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	08/12/2021	ND	400	100	400	3.92	

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	08/12/2021	ND	194	96.8	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/12/2021	ND	201	100	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/12/2021	ND					

Surrogate: 1-Chlorooctane *81.8 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *80.0 %* *38.9-142*

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CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/11/2021	Sampling Date:	08/11/2021
Reported:	08/13/2021	Sampling Type:	Soil
Project Name:	EVGSAU 2717-006	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02377	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: T - 6 0-1 (H212140-17)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/12/2021	ND	1.96	98.1	2.00	9.69	
Toluene*	<0.050	0.050	08/12/2021	ND	2.05	102	2.00	8.86	
Ethylbenzene*	<0.050	0.050	08/12/2021	ND	1.96	98.2	2.00	8.49	
Total Xylenes*	<0.150	0.150	08/12/2021	ND	5.81	96.9	6.00	8.14	
Total BTEX	<0.300	0.300	08/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *69.9-140*

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	08/12/2021	ND	400	100	400	3.92	

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	08/12/2021	ND	194	96.8	200	5.74	
DRO >C10-C28*	<10.0	10.0	08/12/2021	ND	201	100	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/12/2021	ND					

Surrogate: 1-Chlorooctane *73.3 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *73.5 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/11/2021	Sampling Date:	08/11/2021
Reported:	08/13/2021	Sampling Type:	Soil
Project Name:	EVGSAU 2717-006	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02377	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: T - 6 1-2 (H212140-18)

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	08/12/2021	ND	1.96	98.1	2.00	9.69	
Toluene*	<0.050	0.050	08/12/2021	ND	2.05	102	2.00	8.86	
Ethylbenzene*	<0.050	0.050	08/12/2021	ND	1.96	98.2	2.00	8.49	
Total Xylenes*	<0.150	0.150	08/12/2021	ND	5.81	96.9	6.00	8.14	
Total BTEX	<0.300	0.300	08/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *69.9-140*

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	08/12/2021	ND	400	100	400	3.92	

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	08/12/2021	ND	210	105	200	0.992	
DRO >C10-C28*	<10.0	10.0	08/12/2021	ND	198	99.0	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	08/12/2021	ND					

Surrogate: 1-Chlorooctane *75.7 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *68.6 %* *38.9-142*

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CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/11/2021	Sampling Date:	08/11/2021
Reported:	08/13/2021	Sampling Type:	Soil
Project Name:	EVGSAU 2717-006	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02377	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: T - 7 0-1 (H212140-19)

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	08/12/2021	ND	1.96	98.1	2.00	9.69	
Toluene*	<0.050	0.050	08/12/2021	ND	2.05	102	2.00	8.86	
Ethylbenzene*	<0.050	0.050	08/12/2021	ND	1.96	98.2	2.00	8.49	
Total Xylenes*	<0.150	0.150	08/12/2021	ND	5.81	96.9	6.00	8.14	
Total BTEX	<0.300	0.300	08/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**512**	16.0	08/12/2021	ND	400	100	400	3.92	

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	08/12/2021	ND	210	105	200	0.992	
DRO >C10-C28*	<10.0	10.0	08/12/2021	ND	198	99.0	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	08/12/2021	ND					

Surrogate: 1-Chlorooctane *76.5 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *69.7 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/11/2021	Sampling Date:	08/11/2021
Reported:	08/13/2021	Sampling Type:	Soil
Project Name:	EVGSAU 2717-006	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02377	Sample Received By:	Tamara Oldaker
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: T - 7 1-2 (H212140-20)

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	08/12/2021	ND	1.96	98.1	2.00	9.69	
Toluene*	<0.050	0.050	08/12/2021	ND	2.05	102	2.00	8.86	
Ethylbenzene*	<0.050	0.050	08/12/2021	ND	1.96	98.2	2.00	8.49	
Total Xylenes*	<0.150	0.150	08/12/2021	ND	5.81	96.9	6.00	8.14	
Total BTEX	<0.300	0.300	08/12/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	08/12/2021	ND	400	100	400	3.92	

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	08/12/2021	ND	210	105	200	0.992	
DRO >C10-C28*	<10.0	10.0	08/12/2021	ND	198	99.0	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	08/12/2021	ND					

Surrogate: 1-Chlorooctane *79.2 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *75.9 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Conoco Phillips
Project Manager:	Joe Tyler w/ TetraTech
Address:	joe.tyler@tetratech.com
City:	State: Zip:
Phone #:	432-210-6952 Fax #:
Project #:	212C-MD-02377 Project Owner:
Project Name:	EVGSAU 2717-006
Project Location:	Lea County, NM
Sampler Name:	Andrew Garcia

BILL TO

P.O. #:	
Company:	Tetra Tech
Attn:	Joe Tyler
Address:	901 W. Wall St Ste 100
City:	Midland
State:	TX Zip: 79701
Phone #:	432-210-6952
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE	SAMPLING TIME (TX Time)	TPH	BTEX	Chlorides
H212140																		
1	T-1	0-1	G	1			X					X		8/11/21	900	X	X	X
2	T-1	1-2	G	1			X					X		8/11/21	930	X	X	X
3	T-1	2-3	G	1			X					X		8/11/21	1000	X	X	X
4	T-1	3-4	G	1			X					X		8/11/21	1030	X	X	X
5	T-1	4-5	G	1			X					X		8/11/21	1100	X	X	X
6	T-2	0-1	G	1			X					X		8/11/21	1130	X	X	X
7	T-2	1-2	G	1			X					X		8/11/21	1200	X	X	X
8	T-2	2-3	G	1			X					X		8/11/21	1230	X	X	X
9	T-2	3-4	G	1			X					X		8/11/21	1300	X	X	X
10	T-3	0-1	G	1			X					X		8/11/21	1330	X	X	X

Relinquished By:	Date: 8/12/21	Received By:	
Andrew Garcia	Time: 1612	Tamara Oldaker	
Relinquished By:	Date:	Received By:	
	Time:		

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 1.3° #113

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) T.O.

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:
Email to joe.tyler@tetratech.com
standard TAT

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

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	ConocoPhillips
Project Manager:	Joe Tyler w/ TetraTech
Address:	joe.tyler@tetratech.com
City:	State: Zip:
Phone #:	432-210-6952 Fax #:
Project #:	212C-MD-02377 Project Owner:
Project Name:	EVGSAU 2717-006
Project Location:	Lea County, NM
Sampler Name:	Andrew Garcia

BILL TO

P.O. #:	
Company:	Tetra Tech
Attn:	Joe Tyler
Address:	901 W Wall St Ste 100
City:	Midland
State:	TX Zip: 79701
Phone #:	432-210-6952
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH	BTEX	Chlorides
#212140																		
11	T-3	1-2	G	1			X					X		8/11/21	1400	X	X	X
12	T-3	2-3	G	1			X					X		8/11/21	1435	X	X	X
13	T-4	0-1	G	1			X					X		8/11/21	1430	X	X	X
14	T-4	1-2	G	1			X					X		8/11/21	1435	X	X	X
15	T-5	0-1	G	1			X					X		8/11/21	1500	X	X	X
16	T-5	1-2	G	1			X					X		8/11/21	1530	X	X	X
17	T-6	0-1	G	1			X					X		8/11/21	1545	X	X	X
18	T-6	1-2	G	1			X					X		8/11/21	1600	X	X	X
19	T-7	0-1	G	1			X					X		8/11/21	1615	X	X	X
20	T-7	1-2	G	1			X					X		8/11/21	1630	X	X	X

Relinquished By:	Date: 8/11/21	Received By:	
Andrew Garcia	Time: 1612		
Relinquished By:	Date:	Received By:	
	Time:		

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 1.3c #113

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) T.O.

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:
- Email to Joe.Tyler@tetratech.com
- Standard TAT

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

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-5705-1
Laboratory Sample Delivery Group: Lea County, New Mexico
Client Project/Site: COP EVGSAU 2717-006 Flowline Release

For:
Tetra Tech, Inc.
8911 N. Capital of Texas Hwy
Bldg. 2, Ste 2310
Austin, Texas 78759

Attn: Christian Llull

JKramer

Authorized for release by:
9/2/2021 3:14:33 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Tetra Tech, Inc. Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County, New Mexico

Job ID: 880-5705-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-5705-1

Receipt
The samples were received on 9/1/2021 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -3.4°C

GC VOA
Method 8021B: Surrogate recovery was outside acceptance limits for the following matrix spike/matrix spike duplicate (MS/MSD) sample: (880-5705-A-1-A MS). The parent sample's surrogate recovery was within limits. The MS/MSD sample has been qualified and reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-7403 and analytical batch 880-7359 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County, New Mexico

Client Sample ID: FS-1 Lab Sample ID: 880-5705-1

Date Collected: 08/31/21 08:00 **Matrix: Solid**
Date Received: 09/01/21 15:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F2 *- F1 *1	0.00200		mg/Kg		09/01/21 15:21	09/02/21 00:14	1
Toluene	<0.00200	U F2 F1	0.00200		mg/Kg		09/01/21 15:21	09/02/21 00:14	1
Ethylbenzene	<0.00200	U F2 F1	0.00200		mg/Kg		09/01/21 15:21	09/02/21 00:14	1
m-Xylene & p-Xylene	<0.00399	U F2 F1	0.00399		mg/Kg		09/01/21 15:21	09/02/21 00:14	1
o-Xylene	<0.00200	U F2 F1	0.00200		mg/Kg		09/01/21 15:21	09/02/21 00:14	1
Xylenes, Total	<0.00399	U F2 F1	0.00399		mg/Kg		09/01/21 15:21	09/02/21 00:14	1
Total BTEX	<0.00399	U F2 F1	0.00399		mg/Kg		09/01/21 15:21	09/02/21 00:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*09/01/21 15:21*	*09/02/21 00:14*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*09/01/21 15:21*	*09/02/21 00:14*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/01/21 15:12	09/02/21 01:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/01/21 15:12	09/02/21 01:22	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/01/21 15:12	09/02/21 01:22	1
Total TPH	<49.9	U	49.9		mg/Kg		09/01/21 15:12	09/02/21 01:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*09/01/21 15:12*	*09/02/21 01:22*	*1*
o-Terphenyl	*78*		*70 - 130*	*09/01/21 15:12*	*09/02/21 01:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**236**		5.00		mg/Kg			09/01/21 18:13	1

Client Sample ID: FS-2 Lab Sample ID: 880-5705-2

Date Collected: 08/31/21 08:15 **Matrix: Solid**
Date Received: 09/01/21 15:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		09/01/21 15:21	09/02/21 00:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/01/21 15:21	09/02/21 00:35	1
Ethylbenzene	**0.0190**		0.00200		mg/Kg		09/01/21 15:21	09/02/21 00:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/01/21 15:21	09/02/21 00:35	1
o-Xylene	**0.0147**		0.00200		mg/Kg		09/01/21 15:21	09/02/21 00:35	1
Xylenes, Total	**0.0147**		0.00399		mg/Kg		09/01/21 15:21	09/02/21 00:35	1
Total BTEX	**0.0337**		0.00399		mg/Kg		09/01/21 15:21	09/02/21 00:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*37*	*S1-*	*70 - 130*	*09/01/21 15:21*	*09/02/21 00:35*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*09/01/21 15:21*	*09/02/21 00:35*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/01/21 15:12	09/02/21 01:42	1

Client Sample Results

Client: Tetra Tech, Inc.
Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release
SDG: Lea County, New Mexico

Client Sample ID: FS-2
Lab Sample ID: 880-5705-2
Date Collected: 08/31/21 08:15
Matrix: Solid
Date Received: 09/01/21 15:00

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/01/21 15:12	09/02/21 01:42	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/01/21 15:12	09/02/21 01:42	1
Total TPH	<49.8	U	49.8		mg/Kg		09/01/21 15:12	09/02/21 01:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*09/01/21 15:12*	*09/02/21 01:42*	*1*
o-Terphenyl	*84*		*70 - 130*	*09/01/21 15:12*	*09/02/21 01:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76.5**		4.98		mg/Kg			09/01/21 18:30	1

Client Sample ID: FS-3
Lab Sample ID: 880-5705-3
Date Collected: 08/31/21 08:30
Matrix: Solid
Date Received: 09/01/21 15:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *- *1	0.00198		mg/Kg		09/01/21 15:21	09/02/21 00:55	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/01/21 15:21	09/02/21 00:55	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/01/21 15:21	09/02/21 00:55	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/01/21 15:21	09/02/21 00:55	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/01/21 15:21	09/02/21 00:55	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/01/21 15:21	09/02/21 00:55	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		09/01/21 15:21	09/02/21 00:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*09/01/21 15:21*	*09/02/21 00:55*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*09/01/21 15:21*	*09/02/21 00:55*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/01/21 15:12	09/02/21 02:03	1
Diesel Range Organics (Over C10-C28)	**65.2**		49.9		mg/Kg		09/01/21 15:12	09/02/21 02:03	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/01/21 15:12	09/02/21 02:03	1
Total TPH	**65.2**		49.9		mg/Kg		09/01/21 15:12	09/02/21 02:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*09/01/21 15:12*	*09/02/21 02:03*	*1*
o-Terphenyl	*77*		*70 - 130*	*09/01/21 15:12*	*09/02/21 02:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**458**		4.99		mg/Kg			09/01/21 18:36	1

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County, New Mexico

Client Sample ID: FS-4 Lab Sample ID: 880-5705-4

Date Collected: 08/31/21 08:45 **Matrix: Solid**
Date Received: 09/01/21 15:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		09/01/21 15:21	09/02/21 01:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/01/21 15:21	09/02/21 01:16	1
Ethylbenzene	**0.00527**		0.00200		mg/Kg		09/01/21 15:21	09/02/21 01:16	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/01/21 15:21	09/02/21 01:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/01/21 15:21	09/02/21 01:16	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/01/21 15:21	09/02/21 01:16	1
Total BTEX	**0.00527**		0.00401		mg/Kg		09/01/21 15:21	09/02/21 01:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*09/01/21 15:21*	*09/02/21 01:16*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*09/01/21 15:21*	*09/02/21 01:16*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/01/21 15:12	09/02/21 02:24	1
Diesel Range Organics (Over C10-C28)	**145**		49.9		mg/Kg		09/01/21 15:12	09/02/21 02:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/01/21 15:12	09/02/21 02:24	1
Total TPH	**145**		49.9		mg/Kg		09/01/21 15:12	09/02/21 02:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*09/01/21 15:12*	*09/02/21 02:24*	*1*
o-Terphenyl	*81*		*70 - 130*	*09/01/21 15:12*	*09/02/21 02:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**527**		5.04		mg/Kg			09/01/21 18:41	1

Client Sample ID: FS-9 Lab Sample ID: 880-5705-5

Date Collected: 08/31/21 09:00 **Matrix: Solid**
Date Received: 09/01/21 15:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *- *1	0.00201		mg/Kg		09/01/21 15:21	09/02/21 01:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/01/21 15:21	09/02/21 01:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/01/21 15:21	09/02/21 01:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/01/21 15:21	09/02/21 01:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/01/21 15:21	09/02/21 01:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/01/21 15:21	09/02/21 01:37	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/01/21 15:21	09/02/21 01:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*09/01/21 15:21*	*09/02/21 01:37*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*09/01/21 15:21*	*09/02/21 01:37*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/01/21 15:12	09/02/21 02:45	1

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County, New Mexico

Client Sample ID: FS-9 Lab Sample ID: 880-5705-5

Date Collected: 08/31/21 09:00 **Matrix: Solid**
Date Received: 09/01/21 15:00

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/01/21 15:12	09/02/21 02:45	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/01/21 15:12	09/02/21 02:45	1
Total TPH	<49.8	U	49.8		mg/Kg		09/01/21 15:12	09/02/21 02:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*09/01/21 15:12*	*09/02/21 02:45*	*1*
o-Terphenyl	*79*		*70 - 130*	*09/01/21 15:12*	*09/02/21 02:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**381**		4.95		mg/Kg			09/01/21 18:47	1

Client Sample ID: FS-11 Lab Sample ID: 880-5705-6

Date Collected: 08/31/21 09:30 **Matrix: Solid**
Date Received: 09/01/21 15:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199		mg/Kg		09/01/21 15:21	09/02/21 01:57	1
Toluene	**0.00383**		0.00199		mg/Kg		09/01/21 15:21	09/02/21 01:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/01/21 15:21	09/02/21 01:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/01/21 15:21	09/02/21 01:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/01/21 15:21	09/02/21 01:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/01/21 15:21	09/02/21 01:57	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/01/21 15:21	09/02/21 01:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*09/01/21 15:21*	*09/02/21 01:57*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*09/01/21 15:21*	*09/02/21 01:57*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/01/21 15:12	09/02/21 03:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/01/21 15:12	09/02/21 03:26	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/01/21 15:12	09/02/21 03:26	1
Total TPH	<50.0	U	50.0		mg/Kg		09/01/21 15:12	09/02/21 03:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*09/01/21 15:12*	*09/02/21 03:26*	*1*
o-Terphenyl	*72*		*70 - 130*	*09/01/21 15:12*	*09/02/21 03:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**569**		4.98		mg/Kg			09/01/21 19:04	1

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County, New Mexico

Client Sample ID: SSW-1 Lab Sample ID: 880-5705-7

Date Collected: 08/31/21 09:45 **Matrix: Solid**
Date Received: 09/01/21 15:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		09/01/21 15:21	09/02/21 02:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/01/21 15:21	09/02/21 02:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/01/21 15:21	09/02/21 02:18	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/01/21 15:21	09/02/21 02:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/01/21 15:21	09/02/21 02:18	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/01/21 15:21	09/02/21 02:18	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		09/01/21 15:21	09/02/21 02:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*09/01/21 15:21*	*09/02/21 02:18*	*1*
1,4-Difluorobenzene (Surr)	*124*		*70 - 130*	*09/01/21 15:21*	*09/02/21 02:18*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/01/21 15:12	09/02/21 03:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/01/21 15:12	09/02/21 03:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/01/21 15:12	09/02/21 03:47	1
Total TPH	<50.0	U	50.0		mg/Kg		09/01/21 15:12	09/02/21 03:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*09/01/21 15:12*	*09/02/21 03:47*	*1*
o-Terphenyl	*81*		*70 - 130*	*09/01/21 15:12*	*09/02/21 03:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**156**		4.96		mg/Kg			09/01/21 19:09	1

Client Sample ID: ESW-5 Lab Sample ID: 880-5705-8

Date Collected: 08/31/21 10:00 **Matrix: Solid**
Date Received: 09/01/21 15:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		09/01/21 15:21	09/02/21 02:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/01/21 15:21	09/02/21 02:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/01/21 15:21	09/02/21 02:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/01/21 15:21	09/02/21 02:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/01/21 15:21	09/02/21 02:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/01/21 15:21	09/02/21 02:38	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/01/21 15:21	09/02/21 02:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*09/01/21 15:21*	*09/02/21 02:38*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*09/01/21 15:21*	*09/02/21 02:38*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/01/21 15:12	09/02/21 04:08	1

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Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County, New Mexico

Client Sample ID: ESW-5 Lab Sample ID: 880-5705-8

Date Collected: 08/31/21 10:00 **Matrix: Solid**
Date Received: 09/01/21 15:00

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/01/21 15:12	09/02/21 04:08	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/01/21 15:12	09/02/21 04:08	1
Total TPH	<49.9	U	49.9		mg/Kg		09/01/21 15:12	09/02/21 04:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*09/01/21 15:12*	*09/02/21 04:08*	*1*
o-Terphenyl	*76*		*70 - 130*	*09/01/21 15:12*	*09/02/21 04:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**905**		4.95		mg/Kg			09/01/21 19:15	1

Client Sample ID: WSW-1 Lab Sample ID: 880-5705-9

Date Collected: 08/31/21 10:30 **Matrix: Solid**
Date Received: 09/01/21 15:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		09/01/21 15:21	09/02/21 02:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/01/21 15:21	09/02/21 02:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/01/21 15:21	09/02/21 02:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/01/21 15:21	09/02/21 02:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/01/21 15:21	09/02/21 02:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/01/21 15:21	09/02/21 02:59	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/01/21 15:21	09/02/21 02:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*09/01/21 15:21*	*09/02/21 02:59*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*09/01/21 15:21*	*09/02/21 02:59*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/01/21 15:12	09/02/21 04:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/01/21 15:12	09/02/21 04:29	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/01/21 15:12	09/02/21 04:29	1
Total TPH	<49.9	U	49.9		mg/Kg		09/01/21 15:12	09/02/21 04:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*09/01/21 15:12*	*09/02/21 04:29*	*1*
o-Terphenyl	*81*		*70 - 130*	*09/01/21 15:12*	*09/02/21 04:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**140**		5.00		mg/Kg			09/01/21 19:20	1

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County, New Mexico

Client Sample ID: WSW-2 Lab Sample ID: 880-5705-10

Date Collected: 08/31/21 10:45 **Matrix: Solid**
Date Received: 09/01/21 15:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *- *1	0.00201		mg/Kg		09/01/21 15:21	09/02/21 03:19	1
Toluene	**0.0123**		0.00201		mg/Kg		09/01/21 15:21	09/02/21 03:19	1
Ethylbenzene	**0.00352**		0.00201		mg/Kg		09/01/21 15:21	09/02/21 03:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/01/21 15:21	09/02/21 03:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/01/21 15:21	09/02/21 03:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/01/21 15:21	09/02/21 03:19	1
Total BTEX	**0.0158**		0.00402		mg/Kg		09/01/21 15:21	09/02/21 03:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*09/01/21 15:21*	*09/02/21 03:19*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*09/01/21 15:21*	*09/02/21 03:19*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/01/21 15:12	09/02/21 04:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/01/21 15:12	09/02/21 04:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/01/21 15:12	09/02/21 04:50	1
Total TPH	<49.8	U	49.8		mg/Kg		09/01/21 15:12	09/02/21 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*09/01/21 15:12*	*09/02/21 04:50*	*1*
o-Terphenyl	*79*		*70 - 130*	*09/01/21 15:12*	*09/02/21 04:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**143**		4.97		mg/Kg			09/01/21 19:26	1

Client Sample ID: WSW-3 Lab Sample ID: 880-5705-11

Date Collected: 08/31/21 11:00 **Matrix: Solid**
Date Received: 09/01/21 15:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		09/01/21 15:21	09/02/21 04:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/01/21 15:21	09/02/21 04:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/01/21 15:21	09/02/21 04:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/01/21 15:21	09/02/21 04:40	1
o-Xylene	**0.00212**		0.00200		mg/Kg		09/01/21 15:21	09/02/21 04:40	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/01/21 15:21	09/02/21 04:40	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		09/01/21 15:21	09/02/21 04:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*09/01/21 15:21*	*09/02/21 04:40*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*09/01/21 15:21*	*09/02/21 04:40*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/01/21 15:12	09/02/21 05:11	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County, New Mexico

Client Sample ID: WSW-3 Lab Sample ID: 880-5705-11

Date Collected: 08/31/21 11:00 **Matrix: Solid**
Date Received: 09/01/21 15:00

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/01/21 15:12	09/02/21 05:11	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/01/21 15:12	09/02/21 05:11	1
Total TPH	<49.9	U	49.9		mg/Kg		09/01/21 15:12	09/02/21 05:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*09/01/21 15:12*	*09/02/21 05:11*	*1*
o-Terphenyl	*80*		*70 - 130*	*09/01/21 15:12*	*09/02/21 05:11*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**251**		5.00		mg/Kg			09/01/21 19:32	1

Client Sample ID: WSW-4 Lab Sample ID: 880-5705-12

Date Collected: 08/31/21 11:10 **Matrix: Solid**
Date Received: 09/01/21 15:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *- *1	0.00202		mg/Kg		09/01/21 15:21	09/02/21 05:01	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/01/21 15:21	09/02/21 05:01	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/01/21 15:21	09/02/21 05:01	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/01/21 15:21	09/02/21 05:01	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/01/21 15:21	09/02/21 05:01	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/01/21 15:21	09/02/21 05:01	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		09/01/21 15:21	09/02/21 05:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*299*	*S1+*	*70 - 130*	*09/01/21 15:21*	*09/02/21 05:01*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*09/01/21 15:21*	*09/02/21 05:01*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/01/21 15:12	09/02/21 05:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/01/21 15:12	09/02/21 05:32	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/01/21 15:12	09/02/21 05:32	1
Total TPH	<50.0	U	50.0		mg/Kg		09/01/21 15:12	09/02/21 05:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*09/01/21 15:12*	*09/02/21 05:32*	*1*
o-Terphenyl	*79*		*70 - 130*	*09/01/21 15:12*	*09/02/21 05:32*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**144**		5.01		mg/Kg			09/01/21 19:49	1

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County, New Mexico

Client Sample ID: NSW-1 Lab Sample ID: 880-5705-13

Date Collected: 08/31/21 11:20 **Matrix: Solid**
Date Received: 09/01/21 15:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00511**	***- *1**	0.00202		mg/Kg		09/01/21 15:21	09/02/21 05:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/01/21 15:21	09/02/21 05:21	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/01/21 15:21	09/02/21 05:21	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/01/21 15:21	09/02/21 05:21	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/01/21 15:21	09/02/21 05:21	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/01/21 15:21	09/02/21 05:21	1
Total BTEX	**0.00511**		0.00404		mg/Kg		09/01/21 15:21	09/02/21 05:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*09/01/21 15:21*	*09/02/21 05:21*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*09/01/21 15:21*	*09/02/21 05:21*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/01/21 15:12	09/02/21 05:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/01/21 15:12	09/02/21 05:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/01/21 15:12	09/02/21 05:53	1
Total TPH	<49.8	U	49.8		mg/Kg		09/01/21 15:12	09/02/21 05:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*09/01/21 15:12*	*09/02/21 05:53*	*1*
o-Terphenyl	*76*		*70 - 130*	*09/01/21 15:12*	*09/02/21 05:53*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**113**		5.04		mg/Kg			09/01/21 19:54	1

Client Sample ID: NSW-2 Lab Sample ID: 880-5705-14

Date Collected: 08/31/21 11:30 **Matrix: Solid**
Date Received: 09/01/21 15:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *- *1	0.00202		mg/Kg		09/01/21 15:21	09/02/21 05:42	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/01/21 15:21	09/02/21 05:42	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/01/21 15:21	09/02/21 05:42	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/01/21 15:21	09/02/21 05:42	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/01/21 15:21	09/02/21 05:42	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/01/21 15:21	09/02/21 05:42	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		09/01/21 15:21	09/02/21 05:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*09/01/21 15:21*	*09/02/21 05:42*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*09/01/21 15:21*	*09/02/21 05:42*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/01/21 15:12	09/02/21 06:13	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: COP EVGSAU 2717-006 Flowline Release

Job ID: 880-5705-1
SDG: Lea County, New Mexico

Client Sample ID: NSW-2

Lab Sample ID: 880-5705-14
Matrix: Solid
Date Collected: 08/31/21 11:30
Date Received: 09/01/21 15:00

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/01/21 15:12	09/02/21 06:13	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/01/21 15:12	09/02/21 06:13	1
Total TPH	<50.0	U	50.0		mg/Kg		09/01/21 15:12	09/02/21 06:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*66*	*S1-*	*70 - 130*	*09/01/21 15:12*	*09/02/21 06:13*	*1*
o-Terphenyl	*67*	*S1-*	*70 - 130*	*09/01/21 15:12*	*09/02/21 06:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**609**		4.98		mg/Kg			09/01/21 20:11	1

Client Sample ID: NSW-4

Lab Sample ID: 880-5705-15
Matrix: Solid
Date Collected: 08/31/21 11:50
Date Received: 09/01/21 15:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199		mg/Kg		09/01/21 15:21	09/02/21 06:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/01/21 15:21	09/02/21 06:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/01/21 15:21	09/02/21 06:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/01/21 15:21	09/02/21 06:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/01/21 15:21	09/02/21 06:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/01/21 15:21	09/02/21 06:02	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/01/21 15:21	09/02/21 06:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*09/01/21 15:21*	*09/02/21 06:02*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*09/01/21 15:21*	*09/02/21 06:02*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/01/21 15:12	09/02/21 06:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/01/21 15:12	09/02/21 06:34	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/01/21 15:12	09/02/21 06:34	1
Total TPH	<50.0	U	50.0		mg/Kg		09/01/21 15:12	09/02/21 06:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*66*	*S1-*	*70 - 130*	*09/01/21 15:12*	*09/02/21 06:34*	*1*
o-Terphenyl	*68*	*S1-*	*70 - 130*	*09/01/21 15:12*	*09/02/21 06:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**364**		4.99		mg/Kg			09/01/21 20:17	1

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-5705-1	FS-1	87	82
880-5705-1 MS	FS-1	77	59 S1-
880-5705-1 MSD	FS-1	93	98
880-5705-2	FS-2	37 S1-	95
880-5705-3	FS-3	100	98
880-5705-4	FS-4	85	89
880-5705-5	FS-9	99	82
880-5705-6	FS-11	93	85
880-5705-7	SSW-1	96	124
880-5705-8	ESW-5	107	92
880-5705-9	WSW-1	98	78
880-5705-10	WSW-2	89	96
880-5705-11	WSW-3	130	80
880-5705-12	WSW-4	299 S1+	84
880-5705-13	NSW-1	81	87
880-5705-14	NSW-2	75	106
880-5705-15	NSW-4	91	79
LCS 880-7404/1-A	Lab Control Sample	101	108
LCSD 880-7404/2-A	Lab Control Sample Dup	109	78
MB 880-7262/5-A	Method Blank	105	100
MB 880-7404/5-A	Method Blank	121	104

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-5664-A-81-D MS	Matrix Spike	66 S1-	62 S1-
880-5664-A-81-E MSD	Matrix Spike Duplicate	66 S1-	65 S1-
880-5705-1	FS-1	72	78
880-5705-2	FS-2	77	84
880-5705-3	FS-3	72	77
880-5705-4	FS-4	73	81
880-5705-5	FS-9	73	79
880-5705-6	FS-11	69 S1-	72
880-5705-7	SSW-1	75	81
880-5705-8	ESW-5	70	76
880-5705-9	WSW-1	74	81
880-5705-10	WSW-2	72	79
880-5705-11	WSW-3	72	80
880-5705-12	WSW-4	74	79
880-5705-13	NSW-1	70	76
880-5705-14	NSW-2	66 S1-	67 S1-
880-5705-15	NSW-4	66 S1-	68 S1-
LCS 880-7403/2-A	Lab Control Sample	116	122

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County, New Mexico

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
LCSD 880-7403/3-A	Lab Control Sample Dup	75	76								
MB 880-7403/1-A	Method Blank	71	78								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-7262/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7384 **Prep Batch: 7262**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/01/21 09:00	09/01/21 12:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/01/21 09:00	09/01/21 12:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/01/21 09:00	09/01/21 12:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/01/21 09:00	09/01/21 12:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/01/21 09:00	09/01/21 12:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/01/21 09:00	09/01/21 12:55	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/01/21 09:00	09/01/21 12:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*09/01/21 09:00*	*09/01/21 12:55*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*09/01/21 09:00*	*09/01/21 12:55*	*1*

Lab Sample ID: MB 880-7404/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7384 **Prep Batch: 7404**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/01/21 15:21	09/01/21 23:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/01/21 15:21	09/01/21 23:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/01/21 15:21	09/01/21 23:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/01/21 15:21	09/01/21 23:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/01/21 15:21	09/01/21 23:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/01/21 15:21	09/01/21 23:53	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/01/21 15:21	09/01/21 23:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*09/01/21 15:21*	*09/01/21 23:53*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*09/01/21 15:21*	*09/01/21 23:53*	*1*

Lab Sample ID: LCS 880-7404/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7384 **Prep Batch: 7404**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08168		mg/Kg		82	70 - 130
Toluene	0.100	0.07498		mg/Kg		75	70 - 130
Ethylbenzene	0.100	0.08439		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	0.200	0.1535		mg/Kg		77	70 - 130
o-Xylene	0.100	0.07476		mg/Kg		75	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-7404/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7384 **Prep Batch: 7404**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.04474	*- *1	mg/Kg		45	70 - 130	58	35
Toluene			0.100	0.08765		mg/Kg		88	70 - 130	16	35
Ethylbenzene			0.100	0.08510		mg/Kg		85	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1681		mg/Kg		84	70 - 130	9	35
o-Xylene			0.100	0.07922		mg/Kg		79	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*

Lab Sample ID: 880-5705-1 MS **Client Sample ID: FS-1**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7384 **Prep Batch: 7404**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F2 *- F1 *1	0.101	0.03122	F1	mg/Kg		30	70 - 130
Toluene	<0.00200	U F2 F1	0.101	0.004680	F1	mg/Kg		5	70 - 130
Ethylbenzene	<0.00200	U F2 F1	0.101	0.002874	F1	mg/Kg		2	70 - 130
m-Xylene & p-Xylene	<0.00399	U F2 F1	0.202	0.02872	F1	mg/Kg		14	70 - 130
o-Xylene	<0.00200	U F2 F1	0.101	0.01093	F1	mg/Kg		9	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*
1,4-Difluorobenzene (Surr)	*59*	*S1-*	*70 - 130*

Lab Sample ID: 880-5705-1 MSD **Client Sample ID: FS-1**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7384 **Prep Batch: 7404**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F2 *- F1 *1	0.0994	0.05936	F2 F1	mg/Kg		59	70 - 130	62	35
Toluene	<0.00200	U F2 F1	0.0994	0.06016	F2 F1	mg/Kg		61	70 - 130	171	35
Ethylbenzene	<0.00200	U F2 F1	0.0994	0.05447	F2 F1	mg/Kg		54	70 - 130	180	35
m-Xylene & p-Xylene	<0.00399	U F2 F1	0.199	0.1020	F2 F1	mg/Kg		51	70 - 130	112	35
o-Xylene	<0.00200	U F2 F1	0.0994	0.05226	F2 F1	mg/Kg		51	70 - 130	131	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County, New Mexico

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-7403/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7359 **Prep Batch: 7403**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/01/21 15:12	09/01/21 21:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/01/21 15:12	09/01/21 21:54	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/01/21 15:12	09/01/21 21:54	1
Total TPH	<50.0	U	50.0		mg/Kg		09/01/21 15:12	09/01/21 21:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*09/01/21 15:12*	*09/01/21 21:54*	*1*
o-Terphenyl	*78*		*70 - 130*	*09/01/21 15:12*	*09/01/21 21:54*	*1*

Lab Sample ID: LCS 880-7403/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7359 **Prep Batch: 7403**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	834.0		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	953.5		mg/Kg		95	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*116*		*70 - 130*
o-Terphenyl	*122*		*70 - 130*

Lab Sample ID: LCSD 880-7403/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7359 **Prep Batch: 7403**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	852.8		mg/Kg		85	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	862.2		mg/Kg		86	70 - 130	10	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*75*		*70 - 130*
o-Terphenyl	*76*		*70 - 130*

Lab Sample ID: 880-5664-A-81-D MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7359 **Prep Batch: 7403**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	995	622.9	F1	mg/Kg		63	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U F1	995	599.8	F1	mg/Kg		58	70 - 130		

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County, New Mexico

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-5664-A-81-D MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7359 **Prep Batch: 7403**

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	66	S1-	70 - 130
o-Terphenyl	62	S1-	70 - 130

Lab Sample ID: 880-5664-A-81-E MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7359 **Prep Batch: 7403**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	998	656.4	F1	mg/Kg		66	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	998	617.8	F1	mg/Kg		59	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	66	S1-	70 - 130
o-Terphenyl	65	S1-	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-7405/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 7414

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/01/21 17:56	1

Lab Sample ID: LCS 880-7405/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 7414

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	247.0		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-7405/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 7414

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	247.9		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-5705-1 MS **Client Sample ID: FS-1**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 7414

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	236		250	474.8		mg/Kg		96	90 - 110		

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-5705-1 MSD **Client Sample ID: FS-1**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 7414

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	236		250	475.9		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-5705-11 MS **Client Sample ID: WSW-3**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 7414

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	251		250	487.4		mg/Kg		95	90 - 110

Lab Sample ID: 880-5705-11 MSD **Client Sample ID: WSW-3**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 7414

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	251		250	486.8		mg/Kg		94	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc. Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County, New Mexico

GC VOA

Prep Batch: 7262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-7262/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 7384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5705-1	FS-1	Total/NA	Solid	8021B	7404
880-5705-2	FS-2	Total/NA	Solid	8021B	7404
880-5705-3	FS-3	Total/NA	Solid	8021B	7404
880-5705-4	FS-4	Total/NA	Solid	8021B	7404
880-5705-5	FS-9	Total/NA	Solid	8021B	7404
880-5705-6	FS-11	Total/NA	Solid	8021B	7404
880-5705-7	SSW-1	Total/NA	Solid	8021B	7404
880-5705-8	ESW-5	Total/NA	Solid	8021B	7404
880-5705-9	WSW-1	Total/NA	Solid	8021B	7404
880-5705-10	WSW-2	Total/NA	Solid	8021B	7404
880-5705-11	WSW-3	Total/NA	Solid	8021B	7404
880-5705-12	WSW-4	Total/NA	Solid	8021B	7404
880-5705-13	NSW-1	Total/NA	Solid	8021B	7404
880-5705-14	NSW-2	Total/NA	Solid	8021B	7404
880-5705-15	NSW-4	Total/NA	Solid	8021B	7404
MB 880-7262/5-A	Method Blank	Total/NA	Solid	8021B	7262
MB 880-7404/5-A	Method Blank	Total/NA	Solid	8021B	7404
LCS 880-7404/1-A	Lab Control Sample	Total/NA	Solid	8021B	7404
LCSD 880-7404/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	7404
880-5705-1 MS	FS-1	Total/NA	Solid	8021B	7404
880-5705-1 MSD	FS-1	Total/NA	Solid	8021B	7404

Prep Batch: 7404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5705-1	FS-1	Total/NA	Solid	5035	
880-5705-2	FS-2	Total/NA	Solid	5035	
880-5705-3	FS-3	Total/NA	Solid	5035	
880-5705-4	FS-4	Total/NA	Solid	5035	
880-5705-5	FS-9	Total/NA	Solid	5035	
880-5705-6	FS-11	Total/NA	Solid	5035	
880-5705-7	SSW-1	Total/NA	Solid	5035	
880-5705-8	ESW-5	Total/NA	Solid	5035	
880-5705-9	WSW-1	Total/NA	Solid	5035	
880-5705-10	WSW-2	Total/NA	Solid	5035	
880-5705-11	WSW-3	Total/NA	Solid	5035	
880-5705-12	WSW-4	Total/NA	Solid	5035	
880-5705-13	NSW-1	Total/NA	Solid	5035	
880-5705-14	NSW-2	Total/NA	Solid	5035	
880-5705-15	NSW-4	Total/NA	Solid	5035	
MB 880-7404/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-7404/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-7404/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-5705-1 MS	FS-1	Total/NA	Solid	5035	
880-5705-1 MSD	FS-1	Total/NA	Solid	5035	

QC Association Summary

Client: Tetra Tech, Inc. Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County, New Mexico

GC Semi VOA

Analysis Batch: 7359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5705-1	FS-1	Total/NA	Solid	8015B NM	7403
880-5705-2	FS-2	Total/NA	Solid	8015B NM	7403
880-5705-3	FS-3	Total/NA	Solid	8015B NM	7403
880-5705-4	FS-4	Total/NA	Solid	8015B NM	7403
880-5705-5	FS-9	Total/NA	Solid	8015B NM	7403
880-5705-6	FS-11	Total/NA	Solid	8015B NM	7403
880-5705-7	SSW-1	Total/NA	Solid	8015B NM	7403
880-5705-8	ESW-5	Total/NA	Solid	8015B NM	7403
880-5705-9	WSW-1	Total/NA	Solid	8015B NM	7403
880-5705-10	WSW-2	Total/NA	Solid	8015B NM	7403
880-5705-11	WSW-3	Total/NA	Solid	8015B NM	7403
880-5705-12	WSW-4	Total/NA	Solid	8015B NM	7403
880-5705-13	NSW-1	Total/NA	Solid	8015B NM	7403
880-5705-14	NSW-2	Total/NA	Solid	8015B NM	7403
880-5705-15	NSW-4	Total/NA	Solid	8015B NM	7403
MB 880-7403/1-A	Method Blank	Total/NA	Solid	8015B NM	7403
LCS 880-7403/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	7403
LCSD 880-7403/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	7403
880-5664-A-81-D MS	Matrix Spike	Total/NA	Solid	8015B NM	7403
880-5664-A-81-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	7403

Prep Batch: 7403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5705-1	FS-1	Total/NA	Solid	8015NM Prep	
880-5705-2	FS-2	Total/NA	Solid	8015NM Prep	
880-5705-3	FS-3	Total/NA	Solid	8015NM Prep	
880-5705-4	FS-4	Total/NA	Solid	8015NM Prep	
880-5705-5	FS-9	Total/NA	Solid	8015NM Prep	
880-5705-6	FS-11	Total/NA	Solid	8015NM Prep	
880-5705-7	SSW-1	Total/NA	Solid	8015NM Prep	
880-5705-8	ESW-5	Total/NA	Solid	8015NM Prep	
880-5705-9	WSW-1	Total/NA	Solid	8015NM Prep	
880-5705-10	WSW-2	Total/NA	Solid	8015NM Prep	
880-5705-11	WSW-3	Total/NA	Solid	8015NM Prep	
880-5705-12	WSW-4	Total/NA	Solid	8015NM Prep	
880-5705-13	NSW-1	Total/NA	Solid	8015NM Prep	
880-5705-14	NSW-2	Total/NA	Solid	8015NM Prep	
880-5705-15	NSW-4	Total/NA	Solid	8015NM Prep	
MB 880-7403/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-7403/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-7403/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-5664-A-81-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-5664-A-81-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 7405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5705-1	FS-1	Soluble	Solid	DI Leach	
880-5705-2	FS-2	Soluble	Solid	DI Leach	
880-5705-3	FS-3	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech, Inc. Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 7405 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5705-4	FS-4	Soluble	Solid	DI Leach	
880-5705-5	FS-9	Soluble	Solid	DI Leach	
880-5705-6	FS-11	Soluble	Solid	DI Leach	
880-5705-7	SSW-1	Soluble	Solid	DI Leach	
880-5705-8	ESW-5	Soluble	Solid	DI Leach	
880-5705-9	WSW-1	Soluble	Solid	DI Leach	
880-5705-10	WSW-2	Soluble	Solid	DI Leach	
880-5705-11	WSW-3	Soluble	Solid	DI Leach	
880-5705-12	WSW-4	Soluble	Solid	DI Leach	
880-5705-13	NSW-1	Soluble	Solid	DI Leach	
880-5705-14	NSW-2	Soluble	Solid	DI Leach	
880-5705-15	NSW-4	Soluble	Solid	DI Leach	
MB 880-7405/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-7405/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7405/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-5705-1 MS	FS-1	Soluble	Solid	DI Leach	
880-5705-1 MSD	FS-1	Soluble	Solid	DI Leach	
880-5705-11 MS	WSW-3	Soluble	Solid	DI Leach	
880-5705-11 MSD	WSW-3	Soluble	Solid	DI Leach	

Analysis Batch: 7414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5705-1	FS-1	Soluble	Solid	300.0	7405
880-5705-2	FS-2	Soluble	Solid	300.0	7405
880-5705-3	FS-3	Soluble	Solid	300.0	7405
880-5705-4	FS-4	Soluble	Solid	300.0	7405
880-5705-5	FS-9	Soluble	Solid	300.0	7405
880-5705-6	FS-11	Soluble	Solid	300.0	7405
880-5705-7	SSW-1	Soluble	Solid	300.0	7405
880-5705-8	ESW-5	Soluble	Solid	300.0	7405
880-5705-9	WSW-1	Soluble	Solid	300.0	7405
880-5705-10	WSW-2	Soluble	Solid	300.0	7405
880-5705-11	WSW-3	Soluble	Solid	300.0	7405
880-5705-12	WSW-4	Soluble	Solid	300.0	7405
880-5705-13	NSW-1	Soluble	Solid	300.0	7405
880-5705-14	NSW-2	Soluble	Solid	300.0	7405
880-5705-15	NSW-4	Soluble	Solid	300.0	7405
MB 880-7405/1-A	Method Blank	Soluble	Solid	300.0	7405
LCS 880-7405/2-A	Lab Control Sample	Soluble	Solid	300.0	7405
LCSD 880-7405/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7405
880-5705-1 MS	FS-1	Soluble	Solid	300.0	7405
880-5705-1 MSD	FS-1	Soluble	Solid	300.0	7405
880-5705-11 MS	WSW-3	Soluble	Solid	300.0	7405
880-5705-11 MSD	WSW-3	Soluble	Solid	300.0	7405

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County, New Mexico

Client Sample ID: FS-1 Lab Sample ID: 880-5705-1

Date Collected: 08/31/21 08:00 **Matrix: Solid**
Date Received: 09/01/21 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	7404	09/01/21 15:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7384	09/02/21 00:14	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7403	09/01/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7359	09/02/21 01:22	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7405	09/01/21 15:29	CH	XEN MID
Soluble	Analysis	300.0		1			7414	09/01/21 18:13	CH	XEN MID

Client Sample ID: FS-2 Lab Sample ID: 880-5705-2

Date Collected: 08/31/21 08:15 **Matrix: Solid**
Date Received: 09/01/21 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	7404	09/01/21 15:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7384	09/02/21 00:35	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7403	09/01/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7359	09/02/21 01:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7405	09/01/21 15:29	CH	XEN MID
Soluble	Analysis	300.0		1			7414	09/01/21 18:30	CH	XEN MID

Client Sample ID: FS-3 Lab Sample ID: 880-5705-3

Date Collected: 08/31/21 08:30 **Matrix: Solid**
Date Received: 09/01/21 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	7404	09/01/21 15:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7384	09/02/21 00:55	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7403	09/01/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7359	09/02/21 02:03	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	7405	09/01/21 15:29	CH	XEN MID
Soluble	Analysis	300.0		1			7414	09/01/21 18:36	CH	XEN MID

Client Sample ID: FS-4 Lab Sample ID: 880-5705-4

Date Collected: 08/31/21 08:45 **Matrix: Solid**
Date Received: 09/01/21 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	7404	09/01/21 15:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7384	09/02/21 01:16	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7403	09/01/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7359	09/02/21 02:24	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	7405	09/01/21 15:29	CH	XEN MID
Soluble	Analysis	300.0		1			7414	09/01/21 18:41	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County, New Mexico

Client Sample ID: FS-9 Lab Sample ID: 880-5705-5

Date Collected: 08/31/21 09:00 **Matrix: Solid**
Date Received: 09/01/21 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	7404	09/01/21 15:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7384	09/02/21 01:37	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7403	09/01/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7359	09/02/21 02:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7405	09/01/21 15:29	CH	XEN MID
Soluble	Analysis	300.0		1			7414	09/01/21 18:47	CH	XEN MID

Client Sample ID: FS-11 Lab Sample ID: 880-5705-6

Date Collected: 08/31/21 09:30 **Matrix: Solid**
Date Received: 09/01/21 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	7404	09/01/21 15:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7384	09/02/21 01:57	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7403	09/01/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7359	09/02/21 03:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7405	09/01/21 15:29	CH	XEN MID
Soluble	Analysis	300.0		1			7414	09/01/21 19:04	CH	XEN MID

Client Sample ID: SSW-1 Lab Sample ID: 880-5705-7

Date Collected: 08/31/21 09:45 **Matrix: Solid**
Date Received: 09/01/21 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	7404	09/01/21 15:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7384	09/02/21 02:18	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	7403	09/01/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7359	09/02/21 03:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	7405	09/01/21 15:29	CH	XEN MID
Soluble	Analysis	300.0		1			7414	09/01/21 19:09	CH	XEN MID

Client Sample ID: ESW-5 Lab Sample ID: 880-5705-8

Date Collected: 08/31/21 10:00 **Matrix: Solid**
Date Received: 09/01/21 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	7404	09/01/21 15:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7384	09/02/21 02:38	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7403	09/01/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7359	09/02/21 04:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7405	09/01/21 15:29	CH	XEN MID
Soluble	Analysis	300.0		1			7414	09/01/21 19:15	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County, New Mexico

Client Sample ID: WSW-1 Lab Sample ID: 880-5705-9

Date Collected: 08/31/21 10:30 **Matrix: Solid**
Date Received: 09/01/21 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	7404	09/01/21 15:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7384	09/02/21 02:59	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7403	09/01/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7359	09/02/21 04:29	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7405	09/01/21 15:29	CH	XEN MID
Soluble	Analysis	300.0		1			7414	09/01/21 19:20	CH	XEN MID

Client Sample ID: WSW-2 Lab Sample ID: 880-5705-10

Date Collected: 08/31/21 10:45 **Matrix: Solid**
Date Received: 09/01/21 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	7404	09/01/21 15:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7384	09/02/21 03:19	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7403	09/01/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7359	09/02/21 04:50	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	7405	09/01/21 15:29	CH	XEN MID
Soluble	Analysis	300.0		1			7414	09/01/21 19:26	CH	XEN MID

Client Sample ID: WSW-3 Lab Sample ID: 880-5705-11

Date Collected: 08/31/21 11:00 **Matrix: Solid**
Date Received: 09/01/21 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	7404	09/01/21 15:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7384	09/02/21 04:40	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7403	09/01/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7359	09/02/21 05:11	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7405	09/01/21 15:29	CH	XEN MID
Soluble	Analysis	300.0		1			7414	09/01/21 19:32	CH	XEN MID

Client Sample ID: WSW-4 Lab Sample ID: 880-5705-12

Date Collected: 08/31/21 11:10 **Matrix: Solid**
Date Received: 09/01/21 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	7404	09/01/21 15:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7384	09/02/21 05:01	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7403	09/01/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7359	09/02/21 05:32	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	7405	09/01/21 15:29	CH	XEN MID
Soluble	Analysis	300.0		1			7414	09/01/21 19:49	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County, New Mexico

Client Sample ID: NSW-1 Lab Sample ID: 880-5705-13

Date Collected: 08/31/21 11:20 **Matrix: Solid**
Date Received: 09/01/21 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	7404	09/01/21 15:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7384	09/02/21 05:21	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	7403	09/01/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7359	09/02/21 05:53	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	7405	09/01/21 15:29	CH	XEN MID
Soluble	Analysis	300.0		1			7414	09/01/21 19:54	CH	XEN MID

Client Sample ID: NSW-2 Lab Sample ID: 880-5705-14

Date Collected: 08/31/21 11:30 **Matrix: Solid**
Date Received: 09/01/21 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	7404	09/01/21 15:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7384	09/02/21 05:42	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7403	09/01/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7359	09/02/21 06:13	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7405	09/01/21 15:29	CH	XEN MID
Soluble	Analysis	300.0		1			7414	09/01/21 20:11	CH	XEN MID

Client Sample ID: NSW-4 Lab Sample ID: 880-5705-15

Date Collected: 08/31/21 11:50 **Matrix: Solid**
Date Received: 09/01/21 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	7404	09/01/21 15:21	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7384	09/02/21 06:02	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	7403	09/01/21 15:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7359	09/02/21 06:34	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	7405	09/01/21 15:29	CH	XEN MID
Soluble	Analysis	300.0		1			7414	09/01/21 20:17	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Tetra Tech, Inc. Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County, New Mexico

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: Tetra Tech, Inc. Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County, New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Tetra Tech, Inc. Job ID: 880-5705-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-5705-1	FS-1	Solid	08/31/21 08:00	09/01/21 15:00
880-5705-2	FS-2	Solid	08/31/21 08:15	09/01/21 15:00
880-5705-3	FS-3	Solid	08/31/21 08:30	09/01/21 15:00
880-5705-4	FS-4	Solid	08/31/21 08:45	09/01/21 15:00
880-5705-5	FS-9	Solid	08/31/21 09:00	09/01/21 15:00
880-5705-6	FS-11	Solid	08/31/21 09:30	09/01/21 15:00
880-5705-7	SSW-1	Solid	08/31/21 09:45	09/01/21 15:00
880-5705-8	ESW-5	Solid	08/31/21 10:00	09/01/21 15:00
880-5705-9	WSW-1	Solid	08/31/21 10:30	09/01/21 15:00
880-5705-10	WSW-2	Solid	08/31/21 10:45	09/01/21 15:00
880-5705-11	WSW-3	Solid	08/31/21 11:00	09/01/21 15:00
880-5705-12	WSW-4	Solid	08/31/21 11:10	09/01/21 15:00
880-5705-13	NSW-1	Solid	08/31/21 11:20	09/01/21 15:00
880-5705-14	NSW-2	Solid	08/31/21 11:30	09/01/21 15:00
880-5705-15	NSW-4	Solid	08/31/21 11:50	09/01/21 15:00

Analysis Request of Chain of Custody Record

Page 1 of 2

Tetra Tech, Inc.

901 West W
Midland
Tel (4.
Fax (4.

880-5705 Chain of Custody

880-5705

Client Name	Conoco Phillips	**Site Manager.**	Christian Llull
Project Name:	COP EVGSAU 2717-006 Flowline Release	**Contact Info·**	Email christian llull@tetratech com Phone (512) 338-1667
Project Location: (county, state)	Lea County New Mexico		**Project #. 212C-MD-02377 11**
Invoice to.	Accounts Payable 901 West Wall Street Suite 100 Midland Texas 79701		
Receiving Laboratory:	Xenco	**Sampler Signature:**	Adrian Garcia
Comments:	Please also email results to joe tyler@tetratech com		

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR 2020 DATE	TIME	MATRIX WATER	SOIL	PRESERVATIVE METHOD HCL	HNO_3	ICE	NONE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO DRO ORO MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8260B / 624	GC/MS Semi Vol 8270C/625	PCB s 8082 / 608	NORM	PLM (Asbestos)	Chloride 300 0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	HOLD
	FS-1	8/31/2021	800		X			X		1	N	X		X												X					
	FS-2	8/31/2021	815		X			X		1	N	X		X												X					
	FS-3	8/31/2021	830		X			X		1	N	X		X												X					
	FS-4	8/31/2021	845		X			X		1	N	X		X												X					
	FS 9	8/31/2021	900		X			X		1	N	X		X												X					
	FS-11	8/31/2021	930		X			X		1	N	X		X												X					
	SSW 1	8/31/2021	945		X			X		1	N	X		X												X					
	ESW-5	8/31/2021	1000		X			X		1	N	X		X												X					
	WSW-1	8/31/2021	1030		X			X		1	N	X		X												X					
	WSW 2	8/31/2021	1045		X			X		1	N	X		X												X					

Relinquished by: Kelton Godwin [signature] KP	Date 9/1/21	Time	Received by: [signature]	Date 9/1/21	Time 1454
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

LAB USE ONLY
Sample Temperature -3.9/-3.4 +0.5

REMARKS
- [ ] Standard
- [x] RUSH Same Day (24 hr circled) 48 hr 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking # ______

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Analysis Request of Chain of Custody Record

Page 2 of 2

Tetra Tech, Inc.

901 West Wall Street Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

880-5705

Client Name.	Conoco Phillips	**Site Manager:**	Christian Llull
Project Name·	COP EVGSAU 2717-006 Flowline Release	**Contact Info.**	Email christian llull@tetratech com Phone (512) 338 1667
Project Location (county, state)	Lea County New Mexico		**Project #: 212C-MD-02377.11**
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland Texas 79701		
Receiving Laboratory:	Pace Lab	**Sampler Signature:**	Adrian Garcia
Comments:	Please also email results to joe tyler@tetratech com		

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE (YEAR 2020)	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	HNO_3	ICE	NONE		# CONTAINERS	FILTERED (Y/N)
	WSW-3	8/31/2021	1100		X				X			1	N
	WSW-4	8/31/2021	1110		X				X			1	N
	NSW 1	8/31/2021	1120		X				X			1	N
	NSW 2	8/31/2021	1130		X				X			1	N
	NSW-4	8/31/2021	1150		X				X			1	N

ANALYSIS REQUEST
(Circle or Specify Method No.)

SAMPLE IDENTIFICATION	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO DRO ORO MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8260B / 624	GC/MS Semi Vol 8270C/625	PCB s 8082 / 608	NORM	PLM (Asbestos)	Chloride 300 0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		HOLD
WSW-3	X		X												X						
WSW-4	X		X												X						
NSW 1	X		X												X						
NSW 2	X		X												X						
NSW-4	X		X												X						

Relinquished by	Date	Time	Received by	Date	Time
[signature]	9/1/21		[signature]	9/1/21	1454

LAB USE ONLY
Sample Temperature
-3.9/-3.4
+0.5

REMARKS:
- [ ] Standard
- [x] RUSH Same Day (24 hr) 48 hr 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking # ______

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Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-5705-1
SDG Number: Lea County, New Mexico

Login Number: 5705
List Number: 1
Creator: Teel, Brianna

List Source: Eurofins Xenco, Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-5735-1
Laboratory Sample Delivery Group: Lea County NM
Client Project/Site: COP EVGSAU 2717-006 Flowline Release

For:
Tetra Tech, Inc.
8911 N. Capital of Texas Hwy
Bldg. 2, Ste 2310
Austin, Texas 78759

Attn: Christian Llull

JKramer

Authorized for release by:
9/7/2021 9:43:54 AM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Tetra Tech, Inc.
Project/Site: COP EVGSAU 2717-006 Flowline Release

Laboratory Job ID: 880-5735-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 880-5735-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Tetra Tech, Inc. Job ID: 880-5735-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County NM

Job ID: 880-5735-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-5735-1

Receipt
The samples were received on 9/2/2021 1:23 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.7°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-7447 and analytical batch 880-7459 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: FS-13 @ 2' (880-5735-3). Evidence of matrix interferences is not obvious. Re-preparation and/or re-analysis was not performed as the holding time had expired.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-7451 and analytical batch 880-7425 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: COP EVGSAU 2717-006 Flowline Release

Job ID: 880-5735-1
SDG: Lea County NM

Client Sample ID: FS-5 @ 1'

Date Collected: 09/01/21 08:00
Date Received: 09/02/21 13:23

Lab Sample ID: 880-5735-1

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U F1	0.00198		mg/Kg		09/02/21 13:48	09/02/21 19:15	1
Toluene	<0.00198	U F1	0.00198		mg/Kg		09/02/21 13:48	09/02/21 19:15	1
Ethylbenzene	<0.00198	U F1	0.00198		mg/Kg		09/02/21 13:48	09/02/21 19:15	1
m-Xylene & p-Xylene	<0.00397	U F1 F2	0.00397		mg/Kg		09/02/21 13:48	09/02/21 19:15	1
o-Xylene	<0.00198	U F1	0.00198		mg/Kg		09/02/21 13:48	09/02/21 19:15	1
Xylenes, Total	<0.00397	U F1 F2	0.00397		mg/Kg		09/02/21 13:48	09/02/21 19:15	1
Total BTEX	<0.00397	U F1 F2	0.00397		mg/Kg		09/02/21 13:48	09/02/21 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*09/02/21 13:48*	*09/02/21 19:15*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*09/02/21 13:48*	*09/02/21 19:15*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	50.0		mg/Kg		09/02/21 14:10	09/02/21 21:55	1
Diesel Range Organics (Over C10-C28)	**69.0**	**F1**	50.0		mg/Kg		09/02/21 14:10	09/02/21 21:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/02/21 14:10	09/02/21 21:55	1
Total TPH	**69.0**	**F1**	50.0		mg/Kg		09/02/21 14:10	09/02/21 21:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*09/02/21 14:10*	*09/02/21 21:55*	*1*
o-Terphenyl	*107*		*70 - 130*	*09/02/21 14:10*	*09/02/21 21:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**527**		4.95		mg/Kg			09/02/21 16:40	1

Client Sample ID: FS-12 @ 2'

Date Collected: 09/01/21 08:15
Date Received: 09/02/21 13:23

Lab Sample ID: 880-5735-2

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/02/21 13:48	09/02/21 19:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/02/21 13:48	09/02/21 19:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/02/21 13:48	09/02/21 19:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/02/21 13:48	09/02/21 19:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/02/21 13:48	09/02/21 19:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/02/21 13:48	09/02/21 19:36	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/02/21 13:48	09/02/21 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*09/02/21 13:48*	*09/02/21 19:36*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*09/02/21 13:48*	*09/02/21 19:36*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/02/21 14:10	09/02/21 23:00	1

Eurofins Xenco, Midland

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-5735-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County NM

Client Sample ID: FS-12 @ 2'
Lab Sample ID: 880-5735-2
Date Collected: 09/01/21 08:15 **Matrix: Solid**
Date Received: 09/02/21 13:23

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/02/21 14:10	09/02/21 23:00	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/02/21 14:10	09/02/21 23:00	1
Total TPH	<49.9	U	49.9		mg/Kg		09/02/21 14:10	09/02/21 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*09/02/21 14:10*	*09/02/21 23:00*	*1*
o-Terphenyl	*90*		*70 - 130*	*09/02/21 14:10*	*09/02/21 23:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**549**		5.00		mg/Kg			09/03/21 17:15	1

Client Sample ID: FS-13 @ 2'
Lab Sample ID: 880-5735-3
Date Collected: 09/01/21 08:30 **Matrix: Solid**
Date Received: 09/02/21 13:23

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/02/21 19:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/02/21 19:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/02/21 19:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/02/21 13:48	09/02/21 19:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/02/21 19:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/02/21 13:48	09/02/21 19:56	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/02/21 13:48	09/02/21 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*334*	*S1+*	*70 - 130*	*09/02/21 13:48*	*09/02/21 19:56*	*1*
1,4-Difluorobenzene (Surr)	*280*	*S1+*	*70 - 130*	*09/02/21 13:48*	*09/02/21 19:56*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/02/21 14:10	09/02/21 23:22	1
Diesel Range Organics (Over C10-C28)	**219**		49.8		mg/Kg		09/02/21 14:10	09/02/21 23:22	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/02/21 14:10	09/02/21 23:22	1
Total TPH	**219**		49.8		mg/Kg		09/02/21 14:10	09/02/21 23:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*09/02/21 14:10*	*09/02/21 23:22*	*1*
o-Terphenyl	*96*		*70 - 130*	*09/02/21 14:10*	*09/02/21 23:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**196**		4.99		mg/Kg			09/02/21 17:33	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: COP EVGSAU 2717-006 Flowline Release

Job ID: 880-5735-1
SDG: Lea County NM

Client Sample ID: FS-14 @ 4'

Date Collected: 09/01/21 08:45
Date Received: 09/02/21 13:23

Lab Sample ID: 880-5735-4

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/02/21 13:48	09/02/21 20:16	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/02/21 13:48	09/02/21 20:16	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/02/21 13:48	09/02/21 20:16	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		09/02/21 13:48	09/02/21 20:16	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/02/21 13:48	09/02/21 20:16	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		09/02/21 13:48	09/02/21 20:16	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		09/02/21 13:48	09/02/21 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*09/02/21 13:48*	*09/02/21 20:16*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*09/02/21 13:48*	*09/02/21 20:16*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/02/21 14:10	09/02/21 23:43	1
Diesel Range Organics (Over C10-C28)	**348**		49.9		mg/Kg		09/02/21 14:10	09/02/21 23:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/02/21 14:10	09/02/21 23:43	1
Total TPH	**348**		49.9		mg/Kg		09/02/21 14:10	09/02/21 23:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*09/02/21 14:10*	*09/02/21 23:43*	*1*
o-Terphenyl	*104*		*70 - 130*	*09/02/21 14:10*	*09/02/21 23:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**958**		4.96		mg/Kg			09/02/21 17:39	1

Client Sample ID: FS-15 @ 4'

Date Collected: 09/01/21 09:00
Date Received: 09/02/21 13:23

Lab Sample ID: 880-5735-5

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/02/21 20:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/02/21 20:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/02/21 20:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/02/21 13:48	09/02/21 20:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/02/21 20:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/02/21 13:48	09/02/21 20:37	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/02/21 13:48	09/02/21 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*09/02/21 13:48*	*09/02/21 20:37*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*09/02/21 13:48*	*09/02/21 20:37*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/02/21 14:10	09/03/21 00:04	1

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Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-5735-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County NM

Client Sample ID: FS-15 @ 4'
Lab Sample ID: 880-5735-5
Date Collected: 09/01/21 09:00 **Matrix: Solid**
Date Received: 09/02/21 13:23

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/02/21 14:10	09/03/21 00:04	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/02/21 14:10	09/03/21 00:04	1
Total TPH	<49.8	U	49.8		mg/Kg		09/02/21 14:10	09/03/21 00:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*09/02/21 14:10*	*09/03/21 00:04*	*1*
o-Terphenyl	*98*		*70 - 130*	*09/02/21 14:10*	*09/03/21 00:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**261**		5.00		mg/Kg			09/02/21 17:44	1

Client Sample ID: FS-16 @ 2'
Lab Sample ID: 880-5735-6
Date Collected: 09/01/21 09:30 **Matrix: Solid**
Date Received: 09/02/21 13:23

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/02/21 20:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/02/21 20:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/02/21 20:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/02/21 13:48	09/02/21 20:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/02/21 20:57	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/02/21 13:48	09/02/21 20:57	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/02/21 13:48	09/02/21 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*09/02/21 13:48*	*09/02/21 20:57*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*09/02/21 13:48*	*09/02/21 20:57*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/02/21 14:10	09/03/21 00:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/02/21 14:10	09/03/21 00:26	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/02/21 14:10	09/03/21 00:26	1
Total TPH	<49.9	U	49.9		mg/Kg		09/02/21 14:10	09/03/21 00:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*09/02/21 14:10*	*09/03/21 00:26*	*1*
o-Terphenyl	*96*		*70 - 130*	*09/02/21 14:10*	*09/03/21 00:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**379**		4.98		mg/Kg			09/02/21 18:00	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: COP EVGSAU 2717-006 Flowline Release

Job ID: 880-5735-1
SDG: Lea County NM

Client Sample ID: SSW-2

Date Collected: 09/01/21 09:45
Date Received: 09/02/21 13:23

Lab Sample ID: 880-5735-7
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/02/21 21:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/02/21 21:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/02/21 21:18	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/02/21 13:48	09/02/21 21:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/02/21 21:18	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/02/21 13:48	09/02/21 21:18	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		09/02/21 13:48	09/02/21 21:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*09/02/21 13:48*	*09/02/21 21:18*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*09/02/21 13:48*	*09/02/21 21:18*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/02/21 14:10	09/03/21 00:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/02/21 14:10	09/03/21 00:47	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/02/21 14:10	09/03/21 00:47	1
Total TPH	<49.8	U	49.8		mg/Kg		09/02/21 14:10	09/03/21 00:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*09/02/21 14:10*	*09/03/21 00:47*	*1*
o-Terphenyl	*103*		*70 - 130*	*09/02/21 14:10*	*09/03/21 00:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**210**		4.95		mg/Kg			09/02/21 18:05	1

Client Sample ID: SSW-3

Date Collected: 09/01/21 10:00
Date Received: 09/02/21 13:23

Lab Sample ID: 880-5735-8
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/02/21 21:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/02/21 21:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/02/21 21:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/02/21 13:48	09/02/21 21:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/02/21 21:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/02/21 13:48	09/02/21 21:38	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		09/02/21 13:48	09/02/21 21:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*09/02/21 13:48*	*09/02/21 21:38*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*09/02/21 13:48*	*09/02/21 21:38*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/02/21 14:10	09/03/21 01:09	1

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Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-5735-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County NM

Client Sample ID: SSW-3 Lab Sample ID: 880-5735-8
Date Collected: 09/01/21 10:00 **Matrix: Solid**
Date Received: 09/02/21 13:23

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/02/21 14:10	09/03/21 01:09	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/02/21 14:10	09/03/21 01:09	1
Total TPH	<49.9	U	49.9		mg/Kg		09/02/21 14:10	09/03/21 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*09/02/21 14:10*	*09/03/21 01:09*	*1*
o-Terphenyl	*92*		*70 - 130*	*09/02/21 14:10*	*09/03/21 01:09*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**607**		4.96		mg/Kg			09/02/21 18:10	1

Client Sample ID: NSW-3 Lab Sample ID: 880-5735-9
Date Collected: 09/01/21 10:30 **Matrix: Solid**
Date Received: 09/02/21 13:23

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/02/21 13:48	09/02/21 23:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/02/21 13:48	09/02/21 23:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/02/21 13:48	09/02/21 23:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/02/21 13:48	09/02/21 23:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/02/21 13:48	09/02/21 23:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/02/21 13:48	09/02/21 23:41	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/02/21 13:48	09/02/21 23:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*09/02/21 13:48*	*09/02/21 23:41*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*09/02/21 13:48*	*09/02/21 23:41*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/02/21 14:10	09/03/21 01:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/02/21 14:10	09/03/21 01:30	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/02/21 14:10	09/03/21 01:30	1
Total TPH	<49.9	U	49.9		mg/Kg		09/02/21 14:10	09/03/21 01:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*09/02/21 14:10*	*09/03/21 01:30*	*1*
o-Terphenyl	*101*		*70 - 130*	*09/02/21 14:10*	*09/03/21 01:30*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**469**		5.00		mg/Kg			09/02/21 18:16	1

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-5735-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County NM

Client Sample ID: ESW-1 Lab Sample ID: 880-5735-10

Date Collected: 09/01/21 10:45 **Matrix: Solid**
Date Received: 09/02/21 13:23

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/03/21 00:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/03/21 00:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/03/21 00:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/02/21 13:48	09/03/21 00:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/03/21 00:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/02/21 13:48	09/03/21 00:02	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		09/02/21 13:48	09/03/21 00:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*09/02/21 13:48*	*09/03/21 00:02*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*09/02/21 13:48*	*09/03/21 00:02*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/02/21 14:10	09/03/21 01:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/02/21 14:10	09/03/21 01:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/02/21 14:10	09/03/21 01:52	1
Total TPH	<49.8	U	49.8		mg/Kg		09/02/21 14:10	09/03/21 01:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*09/02/21 14:10*	*09/03/21 01:52*	*1*
o-Terphenyl	*98*		*70 - 130*	*09/02/21 14:10*	*09/03/21 01:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**409**		5.04		mg/Kg			09/02/21 18:21	1

Client Sample ID: ESW-2 Lab Sample ID: 880-5735-11

Date Collected: 09/01/21 11:00 **Matrix: Solid**
Date Received: 09/02/21 13:23

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/03/21 00:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/03/21 00:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/03/21 00:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/02/21 13:48	09/03/21 00:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/03/21 00:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/02/21 13:48	09/03/21 00:22	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		09/02/21 13:48	09/03/21 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*09/02/21 13:48*	*09/03/21 00:22*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*09/02/21 13:48*	*09/03/21 00:22*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/02/21 14:10	09/03/21 02:34	1

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Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-5735-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County NM

Client Sample ID: ESW-2 Lab Sample ID: 880-5735-11
Date Collected: 09/01/21 11:00 **Matrix: Solid**
Date Received: 09/02/21 13:23

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/02/21 14:10	09/03/21 02:34	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/02/21 14:10	09/03/21 02:34	1
Total TPH	<50.0	U	50.0		mg/Kg		09/02/21 14:10	09/03/21 02:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*09/02/21 14:10*	*09/03/21 02:34*	*1*
o-Terphenyl	*96*		*70 - 130*	*09/02/21 14:10*	*09/03/21 02:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**832**		4.98		mg/Kg			09/02/21 18:26	1

Client Sample ID: ESW-3 Lab Sample ID: 880-5735-12
Date Collected: 09/01/21 11:10 **Matrix: Solid**
Date Received: 09/02/21 13:23

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/02/21 13:48	09/03/21 00:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/02/21 13:48	09/03/21 00:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/02/21 13:48	09/03/21 00:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/02/21 13:48	09/03/21 00:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/02/21 13:48	09/03/21 00:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/02/21 13:48	09/03/21 00:43	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/02/21 13:48	09/03/21 00:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*09/02/21 13:48*	*09/03/21 00:43*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*09/02/21 13:48*	*09/03/21 00:43*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/02/21 14:10	09/03/21 02:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/02/21 14:10	09/03/21 02:55	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/02/21 14:10	09/03/21 02:55	1
Total TPH	<50.0	U	50.0		mg/Kg		09/02/21 14:10	09/03/21 02:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*09/02/21 14:10*	*09/03/21 02:55*	*1*
o-Terphenyl	*98*		*70 - 130*	*09/02/21 14:10*	*09/03/21 02:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**498**		5.05		mg/Kg			09/02/21 18:42	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: COP EVGSAU 2717-006 Flowline Release

Job ID: 880-5735-1
SDG: Lea County NM

Client Sample ID: ESW-4

Date Collected: 09/01/21 11:20
Date Received: 09/02/21 13:23

Lab Sample ID: 880-5735-13

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/03/21 01:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/03/21 01:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/03/21 01:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/02/21 13:48	09/03/21 01:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/03/21 01:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/02/21 13:48	09/03/21 01:03	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/02/21 13:48	09/03/21 01:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*09/02/21 13:48*	*09/03/21 01:03*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*09/02/21 13:48*	*09/03/21 01:03*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/02/21 14:10	09/03/21 03:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/02/21 14:10	09/03/21 03:17	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/02/21 14:10	09/03/21 03:17	1
Total TPH	<49.9	U	49.9		mg/Kg		09/02/21 14:10	09/03/21 03:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*09/02/21 14:10*	*09/03/21 03:17*	*1*
o-Terphenyl	*98*		*70 - 130*	*09/02/21 14:10*	*09/03/21 03:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**130**		5.01		mg/Kg			09/02/21 18:47	1

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 880-5735-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-5735-1	FS-5 @ 1'	118	102
880-5735-1 MS	FS-5 @ 1'	112	105
880-5735-1 MSD	FS-5 @ 1'	116	104
880-5735-2	FS-12 @ 2'	121	103
880-5735-3	FS-13 @ 2'	334 S1+	280 S1+
880-5735-4	FS-14 @ 4'	108	109
880-5735-5	FS-15 @ 4'	111	100
880-5735-6	FS-16 @ 2'	116	100
880-5735-7	SSW-2	127	104
880-5735-8	SSW-3	122	104
880-5735-9	NSW-3	116	100
880-5735-10	ESW-1	122	102
880-5735-11	ESW-2	120	100
880-5735-12	ESW-3	111	100
880-5735-13	ESW-4	111	106
LCS 880-7447/1-A	Lab Control Sample	111	105
LCSD 880-7447/2-A	Lab Control Sample Dup	113	104
MB 880-7447/5-A	Method Blank	93	99

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-5735-1	FS-5 @ 1'	91	107
880-5735-1 MS	FS-5 @ 1'	78	86
880-5735-1 MSD	FS-5 @ 1'	77	84
880-5735-2	FS-12 @ 2'	80	90
880-5735-3	FS-13 @ 2'	83	96
880-5735-4	FS-14 @ 4'	89	104
880-5735-5	FS-15 @ 4'	86	98
880-5735-6	FS-16 @ 2'	82	96
880-5735-7	SSW-2	87	103
880-5735-8	SSW-3	81	92
880-5735-9	NSW-3	86	101
880-5735-10	ESW-1	84	98
880-5735-11	ESW-2	84	96
880-5735-12	ESW-3	87	98
880-5735-13	ESW-4	86	98
LCS 880-7451/2-A	Lab Control Sample	86	95
LCSD 880-7451/3-A	Lab Control Sample Dup	88	96
MB 880-7451/1-A	Method Blank	93	112

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 880-5735-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-7447/5-A
Matrix: Solid
Analysis Batch: 7459

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7447

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/02/21 18:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/02/21 18:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/02/21 18:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/02/21 13:48	09/02/21 18:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/02/21 13:48	09/02/21 18:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/02/21 13:48	09/02/21 18:54	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/02/21 13:48	09/02/21 18:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*09/02/21 13:48*	*09/02/21 18:54*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*09/02/21 13:48*	*09/02/21 18:54*	*1*

Lab Sample ID: LCS 880-7447/1-A
Matrix: Solid
Analysis Batch: 7459

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 7447

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.07415		mg/Kg		74	70 - 130
Toluene	0.100	0.07234		mg/Kg		72	70 - 130
Ethylbenzene	0.100	0.07580		mg/Kg		76	70 - 130
m-Xylene & p-Xylene	0.200	0.1540		mg/Kg		77	70 - 130
o-Xylene	0.100	0.07794		mg/Kg		78	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-7447/2-A
Matrix: Solid
Analysis Batch: 7459

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7447

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.07554		mg/Kg		76	70 - 130	2	35
Toluene	0.100	0.07574		mg/Kg		76	70 - 130	5	35
Ethylbenzene	0.100	0.07810		mg/Kg		78	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1605		mg/Kg		80	70 - 130	4	35
o-Xylene	0.100	0.08154		mg/Kg		82	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 880-5735-1 MS
Matrix: Solid
Analysis Batch: 7459

Client Sample ID: FS-5 @ 1'
Prep Type: Total/NA
Prep Batch: 7447

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00198	U F1	0.0996	0.05737	F1	mg/Kg		58	70 - 130

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 880-5735-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-5735-1 MS **Client Sample ID: FS-5 @ 1'**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7459 **Prep Batch: 7447**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	<0.00198	U F1	0.0996	0.05294	F1	mg/Kg		53	70 - 130
Ethylbenzene	<0.00198	U F1	0.0996	0.04757	F1	mg/Kg		48	70 - 130
m-Xylene & p-Xylene	<0.00397	U F1 F2	0.199	0.04339	F1	mg/Kg		22	70 - 130
o-Xylene	<0.00198	U F1	0.0996	0.05087	F1	mg/Kg		51	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 880-5735-1 MSD **Client Sample ID: FS-5 @ 1'**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7459 **Prep Batch: 7447**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U F1	0.0992	0.06299	F1	mg/Kg		63	70 - 130	9	35
Toluene	<0.00198	U F1	0.0992	0.06074	F1	mg/Kg		61	70 - 130	14	35
Ethylbenzene	<0.00198	U F1	0.0992	0.05540	F1	mg/Kg		56	70 - 130	15	35
m-Xylene & p-Xylene	<0.00397	U F1 F2	0.198	0.1131	F1 F2	mg/Kg		57	70 - 130	89	35
o-Xylene	<0.00198	U F1	0.0992	0.05797	F1	mg/Kg		58	70 - 130	13	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-7451/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7425 **Prep Batch: 7451**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/02/21 14:10	09/02/21 20:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/02/21 14:10	09/02/21 20:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/02/21 14:10	09/02/21 20:51	1
Total TPH	<50.0	U	50.0		mg/Kg		09/02/21 14:10	09/02/21 20:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*09/02/21 14:10*	*09/02/21 20:51*	*1*
o-Terphenyl	*112*		*70 - 130*	*09/02/21 14:10*	*09/02/21 20:51*	*1*

Lab Sample ID: LCS 880-7451/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7425 **Prep Batch: 7451**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	769.2		mg/Kg		77	70 - 130

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QC Sample Results

Client: Tetra Tech, Inc. Job ID: 880-5735-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-7451/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7425 **Prep Batch: 7451**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics (Over C10-C28)			1000	1017		mg/Kg		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*86*		*70 - 130*
o-Terphenyl	*95*		*70 - 130*

Lab Sample ID: LCSD 880-7451/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7425 **Prep Batch: 7451**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	792.6		mg/Kg		79	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1034		mg/Kg		103	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*88*		*70 - 130*
o-Terphenyl	*96*		*70 - 130*

Lab Sample ID: 880-5735-1 MS **Client Sample ID: FS-5 @ 1'**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7425 **Prep Batch: 7451**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	995	679.1	F1	mg/Kg		68	70 - 130		
Diesel Range Organics (Over C10-C28)	69.0	F1	995	762.3		mg/Kg		70	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*78*		*70 - 130*
o-Terphenyl	*86*		*70 - 130*

Lab Sample ID: 880-5735-1 MSD **Client Sample ID: FS-5 @ 1'**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7425 **Prep Batch: 7451**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	998	672.2	F1	mg/Kg		67	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	69.0	F1	998	759.1	F1	mg/Kg		69	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*77*		*70 - 130*
o-Terphenyl	*84*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: COP EVGSAU 2717-006 Flowline Release

Job ID: 880-5735-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-7449/1-A
Matrix: Solid
Analysis Batch: 7460

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/02/21 16:25	1

Lab Sample ID: LCS 880-7449/2-A
Matrix: Solid
Analysis Batch: 7460

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	266.3		mg/Kg		107	90 - 110		

Lab Sample ID: LCSD 880-7449/3-A
Matrix: Solid
Analysis Batch: 7460

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	266.5		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 880-5735-1 MS
Matrix: Solid
Analysis Batch: 7460

Client Sample ID: FS-5 @ 1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	527		248	791.2		mg/Kg		107	90 - 110		

Lab Sample ID: 880-5735-1 MSD
Matrix: Solid
Analysis Batch: 7460

Client Sample ID: FS-5 @ 1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	527		248	779.9		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 880-5735-11 MS
Matrix: Solid
Analysis Batch: 7460

Client Sample ID: ESW-2
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	832		249	1075		mg/Kg		98	90 - 110		

Lab Sample ID: 880-5735-11 MSD
Matrix: Solid
Analysis Batch: 7460

Client Sample ID: ESW-2
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	832		249	1073		mg/Kg		97	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: COP EVGSAU 2717-006 Flowline Release

Job ID: 880-5735-1
SDG: Lea County NM

GC VOA

Prep Batch: 7447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5735-1	FS-5 @ 1'	Total/NA	Solid	5035	
880-5735-2	FS-12 @ 2'	Total/NA	Solid	5035	
880-5735-3	FS-13 @ 2'	Total/NA	Solid	5035	
880-5735-4	FS-14 @ 4'	Total/NA	Solid	5035	
880-5735-5	FS-15 @ 4'	Total/NA	Solid	5035	
880-5735-6	FS-16 @ 2'	Total/NA	Solid	5035	
880-5735-7	SSW-2	Total/NA	Solid	5035	
880-5735-8	SSW-3	Total/NA	Solid	5035	
880-5735-9	NSW-3	Total/NA	Solid	5035	
880-5735-10	ESW-1	Total/NA	Solid	5035	
880-5735-11	ESW-2	Total/NA	Solid	5035	
880-5735-12	ESW-3	Total/NA	Solid	5035	
880-5735-13	ESW-4	Total/NA	Solid	5035	
MB 880-7447/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-7447/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-7447/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-5735-1 MS	FS-5 @ 1'	Total/NA	Solid	5035	
880-5735-1 MSD	FS-5 @ 1'	Total/NA	Solid	5035	

Analysis Batch: 7459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5735-1	FS-5 @ 1'	Total/NA	Solid	8021B	7447
880-5735-2	FS-12 @ 2'	Total/NA	Solid	8021B	7447
880-5735-3	FS-13 @ 2'	Total/NA	Solid	8021B	7447
880-5735-4	FS-14 @ 4'	Total/NA	Solid	8021B	7447
880-5735-5	FS-15 @ 4'	Total/NA	Solid	8021B	7447
880-5735-6	FS-16 @ 2'	Total/NA	Solid	8021B	7447
880-5735-7	SSW-2	Total/NA	Solid	8021B	7447
880-5735-8	SSW-3	Total/NA	Solid	8021B	7447
880-5735-9	NSW-3	Total/NA	Solid	8021B	7447
880-5735-10	ESW-1	Total/NA	Solid	8021B	7447
880-5735-11	ESW-2	Total/NA	Solid	8021B	7447
880-5735-12	ESW-3	Total/NA	Solid	8021B	7447
880-5735-13	ESW-4	Total/NA	Solid	8021B	7447
MB 880-7447/5-A	Method Blank	Total/NA	Solid	8021B	7447
LCS 880-7447/1-A	Lab Control Sample	Total/NA	Solid	8021B	7447
LCSD 880-7447/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	7447
880-5735-1 MS	FS-5 @ 1'	Total/NA	Solid	8021B	7447
880-5735-1 MSD	FS-5 @ 1'	Total/NA	Solid	8021B	7447

GC Semi VOA

Analysis Batch: 7425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5735-1	FS-5 @ 1'	Total/NA	Solid	8015B NM	7451
880-5735-2	FS-12 @ 2'	Total/NA	Solid	8015B NM	7451
880-5735-3	FS-13 @ 2'	Total/NA	Solid	8015B NM	7451
880-5735-4	FS-14 @ 4'	Total/NA	Solid	8015B NM	7451
880-5735-5	FS-15 @ 4'	Total/NA	Solid	8015B NM	7451
880-5735-6	FS-16 @ 2'	Total/NA	Solid	8015B NM	7451
880-5735-7	SSW-2	Total/NA	Solid	8015B NM	7451

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: COP EVGSAU 2717-006 Flowline Release

Job ID: 880-5735-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 7425 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5735-8	SSW-3	Total/NA	Solid	8015B NM	7451
880-5735-9	NSW-3	Total/NA	Solid	8015B NM	7451
880-5735-10	ESW-1	Total/NA	Solid	8015B NM	7451
880-5735-11	ESW-2	Total/NA	Solid	8015B NM	7451
880-5735-12	ESW-3	Total/NA	Solid	8015B NM	7451
880-5735-13	ESW-4	Total/NA	Solid	8015B NM	7451
MB 880-7451/1-A	Method Blank	Total/NA	Solid	8015B NM	7451
LCS 880-7451/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	7451
LCSD 880-7451/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	7451
880-5735-1 MS	FS-5 @ 1'	Total/NA	Solid	8015B NM	7451
880-5735-1 MSD	FS-5 @ 1'	Total/NA	Solid	8015B NM	7451

Prep Batch: 7451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5735-1	FS-5 @ 1'	Total/NA	Solid	8015NM Prep	
880-5735-2	FS-12 @ 2'	Total/NA	Solid	8015NM Prep	
880-5735-3	FS-13 @ 2'	Total/NA	Solid	8015NM Prep	
880-5735-4	FS-14 @ 4'	Total/NA	Solid	8015NM Prep	
880-5735-5	FS-15 @ 4'	Total/NA	Solid	8015NM Prep	
880-5735-6	FS-16 @ 2'	Total/NA	Solid	8015NM Prep	
880-5735-7	SSW-2	Total/NA	Solid	8015NM Prep	
880-5735-8	SSW-3	Total/NA	Solid	8015NM Prep	
880-5735-9	NSW-3	Total/NA	Solid	8015NM Prep	
880-5735-10	ESW-1	Total/NA	Solid	8015NM Prep	
880-5735-11	ESW-2	Total/NA	Solid	8015NM Prep	
880-5735-12	ESW-3	Total/NA	Solid	8015NM Prep	
880-5735-13	ESW-4	Total/NA	Solid	8015NM Prep	
MB 880-7451/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-7451/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-7451/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-5735-1 MS	FS-5 @ 1'	Total/NA	Solid	8015NM Prep	
880-5735-1 MSD	FS-5 @ 1'	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 7449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5735-1	FS-5 @ 1'	Soluble	Solid	DI Leach	
880-5735-2	FS-12 @ 2'	Soluble	Solid	DI Leach	
880-5735-3	FS-13 @ 2'	Soluble	Solid	DI Leach	
880-5735-4	FS-14 @ 4'	Soluble	Solid	DI Leach	
880-5735-5	FS-15 @ 4'	Soluble	Solid	DI Leach	
880-5735-6	FS-16 @ 2'	Soluble	Solid	DI Leach	
880-5735-7	SSW-2	Soluble	Solid	DI Leach	
880-5735-8	SSW-3	Soluble	Solid	DI Leach	
880-5735-9	NSW-3	Soluble	Solid	DI Leach	
880-5735-10	ESW-1	Soluble	Solid	DI Leach	
880-5735-11	ESW-2	Soluble	Solid	DI Leach	
880-5735-12	ESW-3	Soluble	Solid	DI Leach	
880-5735-13	ESW-4	Soluble	Solid	DI Leach	
MB 880-7449/1-A	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: COP EVGSAU 2717-006 Flowline Release

Job ID: 880-5735-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 7449 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-7449/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7449/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-5735-1 MS	FS-5 @ 1'	Soluble	Solid	DI Leach	
880-5735-1 MSD	FS-5 @ 1'	Soluble	Solid	DI Leach	
880-5735-11 MS	ESW-2	Soluble	Solid	DI Leach	
880-5735-11 MSD	ESW-2	Soluble	Solid	DI Leach	

Analysis Batch: 7460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5735-1	FS-5 @ 1'	Soluble	Solid	300.0	7449
880-5735-2	FS-12 @ 2'	Soluble	Solid	300.0	7449
880-5735-3	FS-13 @ 2'	Soluble	Solid	300.0	7449
880-5735-4	FS-14 @ 4'	Soluble	Solid	300.0	7449
880-5735-5	FS-15 @ 4'	Soluble	Solid	300.0	7449
880-5735-6	FS-16 @ 2'	Soluble	Solid	300.0	7449
880-5735-7	SSW-2	Soluble	Solid	300.0	7449
880-5735-8	SSW-3	Soluble	Solid	300.0	7449
880-5735-9	NSW-3	Soluble	Solid	300.0	7449
880-5735-10	ESW-1	Soluble	Solid	300.0	7449
880-5735-11	ESW-2	Soluble	Solid	300.0	7449
880-5735-12	ESW-3	Soluble	Solid	300.0	7449
880-5735-13	ESW-4	Soluble	Solid	300.0	7449
MB 880-7449/1-A	Method Blank	Soluble	Solid	300.0	7449
LCS 880-7449/2-A	Lab Control Sample	Soluble	Solid	300.0	7449
LCSD 880-7449/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7449
880-5735-1 MS	FS-5 @ 1'	Soluble	Solid	300.0	7449
880-5735-1 MSD	FS-5 @ 1'	Soluble	Solid	300.0	7449
880-5735-11 MS	ESW-2	Soluble	Solid	300.0	7449
880-5735-11 MSD	ESW-2	Soluble	Solid	300.0	7449

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: COP EVGSAU 2717-006 Flowline Release

Job ID: 880-5735-1
SDG: Lea County NM

Client Sample ID: FS-5 @ 1'
Date Collected: 09/01/21 08:00
Date Received: 09/02/21 13:23

Lab Sample ID: 880-5735-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	7447	09/02/21 13:48	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7459	09/02/21 19:15	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7451	09/02/21 14:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7425	09/02/21 21:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7449	09/02/21 13:52	CH	XEN MID
Soluble	Analysis	300.0		1			7460	09/02/21 16:40	SC	XEN MID

Client Sample ID: FS-12 @ 2'
Date Collected: 09/01/21 08:15
Date Received: 09/02/21 13:23

Lab Sample ID: 880-5735-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	7447	09/02/21 13:48	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7459	09/02/21 19:36	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7451	09/02/21 14:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7425	09/02/21 23:00	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7449	09/02/21 13:52	CH	XEN MID
Soluble	Analysis	300.0		1			7460	09/03/21 17:15	SC	XEN MID

Client Sample ID: FS-13 @ 2'
Date Collected: 09/01/21 08:30
Date Received: 09/02/21 13:23

Lab Sample ID: 880-5735-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	7447	09/02/21 13:48	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7459	09/02/21 19:56	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7451	09/02/21 14:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7425	09/02/21 23:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	7449	09/02/21 13:52	CH	XEN MID
Soluble	Analysis	300.0		1			7460	09/02/21 17:33	SC	XEN MID

Client Sample ID: FS-14 @ 4'
Date Collected: 09/01/21 08:45
Date Received: 09/02/21 13:23

Lab Sample ID: 880-5735-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	7447	09/02/21 13:48	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7459	09/02/21 20:16	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7451	09/02/21 14:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7425	09/02/21 23:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	7449	09/02/21 13:52	CH	XEN MID
Soluble	Analysis	300.0		1			7460	09/02/21 17:39	SC	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 880-5735-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County NM

Client Sample ID: FS-15 @ 4'
Lab Sample ID: 880-5735-5
Date Collected: 09/01/21 09:00 **Matrix: Solid**
Date Received: 09/02/21 13:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	7447	09/02/21 13:48	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7459	09/02/21 20:37	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	7451	09/02/21 14:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7425	09/03/21 00:04	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7449	09/02/21 13:52	CH	XEN MID
Soluble	Analysis	300.0		1			7460	09/02/21 17:44	SC	XEN MID

Client Sample ID: FS-16 @ 2'
Lab Sample ID: 880-5735-6
Date Collected: 09/01/21 09:30 **Matrix: Solid**
Date Received: 09/02/21 13:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	7447	09/02/21 13:48	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7459	09/02/21 20:57	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7451	09/02/21 14:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7425	09/03/21 00:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7449	09/02/21 13:52	CH	XEN MID
Soluble	Analysis	300.0		1			7460	09/02/21 18:00	SC	XEN MID

Client Sample ID: SSW-2
Lab Sample ID: 880-5735-7
Date Collected: 09/01/21 09:45 **Matrix: Solid**
Date Received: 09/02/21 13:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	7447	09/02/21 13:48	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7459	09/02/21 21:18	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7451	09/02/21 14:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7425	09/03/21 00:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7449	09/02/21 13:52	CH	XEN MID
Soluble	Analysis	300.0		1			7460	09/02/21 18:05	SC	XEN MID

Client Sample ID: SSW-3
Lab Sample ID: 880-5735-8
Date Collected: 09/01/21 10:00 **Matrix: Solid**
Date Received: 09/02/21 13:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	7447	09/02/21 13:48	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7459	09/02/21 21:38	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7451	09/02/21 14:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7425	09/03/21 01:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	7449	09/02/21 13:52	CH	XEN MID
Soluble	Analysis	300.0		1			7460	09/02/21 18:10	SC	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 880-5735-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County NM

Client Sample ID: NSW-3 Lab Sample ID: 880-5735-9
Date Collected: 09/01/21 10:30 **Matrix: Solid**
Date Received: 09/02/21 13:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	7447	09/02/21 13:48	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7459	09/02/21 23:41	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7451	09/02/21 14:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7425	09/03/21 01:30	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7449	09/02/21 13:52	CH	XEN MID
Soluble	Analysis	300.0		1			7460	09/02/21 18:16	SC	XEN MID

Client Sample ID: ESW-1 Lab Sample ID: 880-5735-10
Date Collected: 09/01/21 10:45 **Matrix: Solid**
Date Received: 09/02/21 13:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	7447	09/02/21 13:48	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7459	09/03/21 00:02	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7451	09/02/21 14:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7425	09/03/21 01:52	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	7449	09/02/21 13:52	CH	XEN MID
Soluble	Analysis	300.0		1			7460	09/02/21 18:21	SC	XEN MID

Client Sample ID: ESW-2 Lab Sample ID: 880-5735-11
Date Collected: 09/01/21 11:00 **Matrix: Solid**
Date Received: 09/02/21 13:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	7447	09/02/21 13:48	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7459	09/03/21 00:22	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7451	09/02/21 14:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7425	09/03/21 02:34	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7449	09/02/21 13:52	CH	XEN MID
Soluble	Analysis	300.0		1			7460	09/02/21 18:26	SC	XEN MID

Client Sample ID: ESW-3 Lab Sample ID: 880-5735-12
Date Collected: 09/01/21 11:10 **Matrix: Solid**
Date Received: 09/02/21 13:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	7447	09/02/21 13:48	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7459	09/03/21 00:43	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	7451	09/02/21 14:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7425	09/03/21 02:55	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	7449	09/02/21 13:52	CH	XEN MID
Soluble	Analysis	300.0		1			7460	09/02/21 18:42	SC	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: COP EVGSAU 2717-006 Flowline Release

Job ID: 880-5735-1
SDG: Lea County NM

Client Sample ID: ESW-4
Date Collected: 09/01/21 11:20
Date Received: 09/02/21 13:23

Lab Sample ID: 880-5735-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	7447	09/02/21 13:48	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7459	09/03/21 01:03	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7451	09/02/21 14:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7425	09/03/21 03:17	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	7449	09/02/21 13:52	CH	XEN MID
Soluble	Analysis	300.0		1			7460	09/02/21 18:47	SC	XEN MID

Laboratory References:
XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Tetra Tech, Inc. Job ID: 880-5735-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County NM

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: Tetra Tech, Inc. Job ID: 880-5735-1
Project/Site: COP EVGSAU 2717-006 Flowline Release SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: COP EVGSAU 2717-006 Flowline Release

Job ID: 880-5735-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-5735-1	FS-5 @ 1'	Solid	09/01/21 08:00	09/02/21 13:23
880-5735-2	FS-12 @ 2'	Solid	09/01/21 08:15	09/02/21 13:23
880-5735-3	FS-13 @ 2'	Solid	09/01/21 08:30	09/02/21 13:23
880-5735-4	FS-14 @ 4'	Solid	09/01/21 08:45	09/02/21 13:23
880-5735-5	FS-15 @ 4'	Solid	09/01/21 09:00	09/02/21 13:23
880-5735-6	FS-16 @ 2'	Solid	09/01/21 09:30	09/02/21 13:23
880-5735-7	SSW-2	Solid	09/01/21 09:45	09/02/21 13:23
880-5735-8	SSW-3	Solid	09/01/21 10:00	09/02/21 13:23
880-5735-9	NSW-3	Solid	09/01/21 10:30	09/02/21 13:23
880-5735-10	ESW-1	Solid	09/01/21 10:45	09/02/21 13:23
880-5735-11	ESW-2	Solid	09/01/21 11:00	09/02/21 13:23
880-5735-12	ESW-3	Solid	09/01/21 11:10	09/02/21 13:23
880-5735-13	ESW-4	Solid	09/01/21 11:20	09/02/21 13:23

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901 West Wall Street Suite 1
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

880-5735 Chain of Custody

Client Name:	Conoco Phillips	**Site Manager:**	Christian Llull
Project Name:	COP EVGSAU 2717-006 Flowline Release	**Contact Info:**	Email christian llull@tetratech com Phone (512) 338-1667
Project Location: (county, state)	Lea County New Mexico	**Project #: 212C-MD-02377.11**	
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland Texas 79701		
Receiving Laboratory:	Xenco	**Sampler Signature:**	Andrew Garcia

Comments: Please also email results to joe tyler@tetratech com

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO DRO ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8260B / 624	GC/MS Semi Vol 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300 0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	HOLD
	FS-5 @ 1'	9/1/2021	800		X				X		1	N	X		X												X					
	FS-12 @ 1'	9/1/2021	815		X				X		1	N	X		X												X					
	FS-13 @ 1'	9/1/2021	830		X				X		1	N	X		X												X					
	FS-14 @ 1'	9/1/2021	845		X				X		1	N	X		X												X					
	FS-15 @ 1'	9/1/2021	900		X				X		1	N	X		X												X					
	FS-16 @ 1'	9/1/2021	930		X				X		1	N	X		X												X					
	SSW-2	9/1/2021	945		X				X		1	N	X		X												X					
	SSW-3	9/1/2021	1000		X				X		1	N	X		X												X					
	NSW-3	9/1/2021	1030		X				X		1	N	X		X												X					
	ESW-1	9/1/2021	1045		X				X		1	N	X		X												X					

Relinquished by	Date	Time	Received by	Date	Time
[signature]	9/2/21	1323	[signature]	9/2	
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time

ORIGINAL COPY

LAB USE ONLY

Sample Temperature

4.2/4.7

REMARKS:

- [ ] Standard
- [x] RUSH Same Day **24 hr** 48 hr 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901 West Wall Street, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	Conoco Phillips	**Site Manager:**	Christian Llull
Project Name:	COP EVGSAU 2717-006 Flowline Release	**Contact Info:**	Email christian llull@tetratech com Phone (512) 338-1667
Project Location: (county, state)	Lea County New Mexico	**Project #: 212C-MD-02377.11**	
Invoice to:	Accounts Payable 901 West Wall Street Suite 100 Midland Texas 79701		
Receiving Laboratory:	Pace Lab	**Sampler Signature:**	Andrew Garcia

Comments: Please also email results to joe tyler@tetratech com

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO DRO ORO MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8260B / 624	GC/MS Semi Vol 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300 0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	HOLD
	ESW-2	9/1/2021	1100		X				X			1	N	X		X												X					
	ESW-3	9/1/2021	1110		X				X			1	N	X		X												X					
	ESW-4	9/1/2021	1120		X				X			1	N	X		X												X					

	Relinquished by	Date	Time	Received by	Date	Time
	[signature]	9/2/21	1323	[signature]		
	Relinquished by	Date	Time	Received by	Date	Time
	Relinquished by	Date	Time	Received by	Date	Time

ORIGINAL COPY

LAB USE ONLY
Sample Temperature

REMARKS:
- [ ] Standard
- [x] RUSH Same Day **24 hr** 48 hr 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-5735-1
SDG Number: Lea County NM

Login Number: 5735
List Number: 1
Creator: Kramer, Jessica

List Source: Eurofins Xenco, Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-5790-1
Laboratory Sample Delivery Group: Lea County, New Mexico
Client Project/Site: EVGSAU 217-006 Flowline Release Remediation

For:
Tetra Tech, Inc.
8911 N. Capital of Texas Hwy
Bldg. 2, Ste 2310
Austin, Texas 78759

Attn: Christian Llull

JKramer

Authorized for release by:
9/8/2021 1:22:31 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 217-006 Flowline Release Remediation

Laboratory Job ID: 880-5790-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 880-5790-1
Project/Site: EVGSAU 217-006 Flowline Release Remediation SDG: Lea County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Tetra Tech, Inc. Job ID: 880-5790-1
Project/Site: EVGSAU 217-006 Flowline Release Remediation SDG: Lea County, New Mexico

Job ID: 880-5790-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-5790-1

Receipt
The samples were received on 9/3/2021 1:51 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.6°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-7618 and analytical batch 880-7614 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-5790-1
Project/Site: EVGSAU 217-006 Flowline Release Remediation SDG: Lea County, New Mexico

Client Sample ID: FS-6 (2')

Lab Sample ID: 880-5790-1
Date Collected: 09/02/21 09:00 **Matrix: Solid**
Date Received: 09/03/21 13:51

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/07/21 15:46	09/07/21 20:50	1
Toluene	<0.00201	U F1	0.00201		mg/Kg		09/07/21 15:46	09/07/21 20:50	1
Ethylbenzene	<0.00201	U F2 F1	0.00201		mg/Kg		09/07/21 15:46	09/07/21 20:50	1
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.00402		mg/Kg		09/07/21 15:46	09/07/21 20:50	1
o-Xylene	<0.00201	U F2 F1	0.00201		mg/Kg		09/07/21 15:46	09/07/21 20:50	1
Xylenes, Total	<0.00402	U F2 F1	0.00402		mg/Kg		09/07/21 15:46	09/07/21 20:50	1
Total BTEX	<0.00402	U F2 F1	0.00402		mg/Kg		09/07/21 15:46	09/07/21 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*09/07/21 15:46*	*09/07/21 20:50*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*09/07/21 15:46*	*09/07/21 20:50*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/03/21 15:05	09/07/21 22:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/03/21 15:05	09/07/21 22:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/03/21 15:05	09/07/21 22:22	1
Total TPH	<50.0	U	50.0		mg/Kg		09/03/21 15:05	09/07/21 22:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*09/03/21 15:05*	*09/07/21 22:22*	*1*
o-Terphenyl	*118*		*70 - 130*	*09/03/21 15:05*	*09/07/21 22:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**975**		5.05		mg/Kg			09/06/21 11:42	1

Client Sample ID: FS-7 (2')

Lab Sample ID: 880-5790-2
Date Collected: 09/02/21 11:00 **Matrix: Solid**
Date Received: 09/03/21 13:51

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/07/21 15:46	09/07/21 21:10	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/07/21 15:46	09/07/21 21:10	1
Ethylbenzene	**0.00245**		0.00202		mg/Kg		09/07/21 15:46	09/07/21 21:10	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/07/21 15:46	09/07/21 21:10	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/07/21 15:46	09/07/21 21:10	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/07/21 15:46	09/07/21 21:10	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		09/07/21 15:46	09/07/21 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*09/07/21 15:46*	*09/07/21 21:10*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*09/07/21 15:46*	*09/07/21 21:10*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/03/21 15:05	09/07/21 23:26	1

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-5790-1
Project/Site: EVGSAU 217-006 Flowline Release Remediation SDG: Lea County, New Mexico

Client Sample ID: FS-7 (2')

Lab Sample ID: 880-5790-2
Date Collected: 09/02/21 11:00 **Matrix: Solid**
Date Received: 09/03/21 13:51

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/03/21 15:05	09/07/21 23:26	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/03/21 15:05	09/07/21 23:26	1
Total TPH	<49.9	U	49.9		mg/Kg		09/03/21 15:05	09/07/21 23:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*09/03/21 15:05*	*09/07/21 23:26*	*1*
o-Terphenyl	*110*		*70 - 130*	*09/03/21 15:05*	*09/07/21 23:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**771**		4.99		mg/Kg			09/04/21 14:37	1

Client Sample ID: FS-8 (3')

Lab Sample ID: 880-5790-3
Date Collected: 09/02/21 14:00 **Matrix: Solid**
Date Received: 09/03/21 13:51

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/07/21 15:46	09/07/21 21:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/07/21 15:46	09/07/21 21:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/07/21 15:46	09/07/21 21:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/07/21 15:46	09/07/21 21:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/07/21 15:46	09/07/21 21:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/07/21 15:46	09/07/21 21:31	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/07/21 15:46	09/07/21 21:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*09/07/21 15:46*	*09/07/21 21:31*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*09/07/21 15:46*	*09/07/21 21:31*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/03/21 15:05	09/07/21 23:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/03/21 15:05	09/07/21 23:47	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/03/21 15:05	09/07/21 23:47	1
Total TPH	<49.8	U	49.8		mg/Kg		09/03/21 15:05	09/07/21 23:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*09/03/21 15:05*	*09/07/21 23:47*	*1*
o-Terphenyl	*110*		*70 - 130*	*09/03/21 15:05*	*09/07/21 23:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**330**		4.95		mg/Kg			09/04/21 14:43	1

Client Sample Results

Client: Tetra Tech, Inc.
Job ID: 880-5790-1
Project/Site: EVGSAU 217-006 Flowline Release Remediation
SDG: Lea County, New Mexico

Client Sample ID: FS-10 (4')
Lab Sample ID: 880-5790-4
Date Collected: 09/02/21 17:00
Matrix: Solid
Date Received: 09/03/21 13:51

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/07/21 15:46	09/07/21 21:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/07/21 15:46	09/07/21 21:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/07/21 15:46	09/07/21 21:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/07/21 15:46	09/07/21 21:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/07/21 15:46	09/07/21 21:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/07/21 15:46	09/07/21 21:51	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		09/07/21 15:46	09/07/21 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*09/07/21 15:46*	*09/07/21 21:51*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*09/07/21 15:46*	*09/07/21 21:51*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/03/21 15:05	09/08/21 00:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/03/21 15:05	09/08/21 00:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/03/21 15:05	09/08/21 00:09	1
Total TPH	<49.9	U	49.9		mg/Kg		09/03/21 15:05	09/08/21 00:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*09/03/21 15:05*	*09/08/21 00:09*	*1*
o-Terphenyl	*115*		*70 - 130*	*09/03/21 15:05*	*09/08/21 00:09*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**768**		5.03		mg/Kg			09/04/21 14:49	1

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 880-5790-1
Project/Site: EVGSAU 217-006 Flowline Release Remediation SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-5790-1	FS-6 (2')	102	104										
880-5790-1 MS	FS-6 (2')	109	98										
880-5790-1 MSD	FS-6 (2')	114	95										
880-5790-2	FS-7 (2')	112	97										
880-5790-3	FS-8 (3')	117	94										
880-5790-4	FS-10 (4')	111	101										
LCS 880-7618/1-A	Lab Control Sample	107	89										
LCSD 880-7618/2-A	Lab Control Sample Dup	102	93										
MB 880-7618/5-A	Method Blank	124	105										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-5790-1	FS-6 (2')	109	118										
880-5790-1 MS	FS-6 (2')	110	110										
880-5790-1 MSD	FS-6 (2')	103	105										
880-5790-2	FS-7 (2')	101	110										
880-5790-3	FS-8 (3')	101	110										
880-5790-4	FS-10 (4')	106	115										
LCS 880-7522/2-A	Lab Control Sample	99	103										
LCSD 880-7522/3-A	Lab Control Sample Dup	97	103										
MB 880-7522/1-A	Method Blank	100	110										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 880-5790-1
Project/Site: EVGSAU 217-006 Flowline Release Remediation SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-7618/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7614 **Prep Batch: 7618**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/07/21 15:46	09/07/21 20:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/07/21 15:46	09/07/21 20:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/07/21 15:46	09/07/21 20:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/07/21 15:46	09/07/21 20:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/07/21 15:46	09/07/21 20:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/07/21 15:46	09/07/21 20:21	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/07/21 15:46	09/07/21 20:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*09/07/21 15:46*	*09/07/21 20:21*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*09/07/21 15:46*	*09/07/21 20:21*	*1*

Lab Sample ID: LCS 880-7618/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7614 **Prep Batch: 7618**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08925		mg/Kg		89	70 - 130		
Toluene			0.100	0.09109		mg/Kg		91	70 - 130		
Ethylbenzene			0.100	0.1069		mg/Kg		107	70 - 130		
m-Xylene & p-Xylene			0.200	0.1881		mg/Kg		94	70 - 130		
o-Xylene			0.100	0.09501		mg/Kg		95	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: LCSD 880-7618/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7614 **Prep Batch: 7618**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1044		mg/Kg		104	70 - 130	16	35
Toluene			0.100	0.1111		mg/Kg		111	70 - 130	20	35
Ethylbenzene			0.100	0.1142		mg/Kg		114	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.2094		mg/Kg		105	70 - 130	11	35
o-Xylene			0.100	0.1036		mg/Kg		104	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: 880-5790-1 MS **Client Sample ID: FS-6 (2')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7614 **Prep Batch: 7618**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00201	U	0.0998	0.07846		mg/Kg		79	70 - 130		

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 880-5790-1
Project/Site: EVGSAU 217-006 Flowline Release Remediation SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-5790-1 MS **Client Sample ID: FS-6 (2')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7614 **Prep Batch: 7618**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	<0.00201	U F1	0.0998	0.06778	F1	mg/Kg		68	70 - 130
Ethylbenzene	<0.00201	U F2 F1	0.0998	0.05320	F1	mg/Kg		53	70 - 130
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.200	0.09757	F1	mg/Kg		49	70 - 130
o-Xylene	<0.00201	U F2 F1	0.0998	0.05294	F1	mg/Kg		52	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 880-5790-1 MSD **Client Sample ID: FS-6 (2')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7614 **Prep Batch: 7618**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09236		mg/Kg		92	70 - 130	16	35
Toluene	<0.00201	U F1	0.100	0.09357		mg/Kg		93	70 - 130	32	35
Ethylbenzene	<0.00201	U F2 F1	0.100	0.1068	F2	mg/Kg		107	70 - 130	67	35
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.200	0.1991	F2	mg/Kg		99	70 - 130	68	35
o-Xylene	<0.00201	U F2 F1	0.100	0.09598	F2	mg/Kg		95	70 - 130	58	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-7522/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7592 **Prep Batch: 7522**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/03/21 15:05	09/07/21 21:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/03/21 15:05	09/07/21 21:22	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/03/21 15:05	09/07/21 21:22	1
Total TPH	<50.0	U	50.0		mg/Kg		09/03/21 15:05	09/07/21 21:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*09/03/21 15:05*	*09/07/21 21:22*	*1*
o-Terphenyl	*110*		*70 - 130*	*09/03/21 15:05*	*09/07/21 21:22*	*1*

Lab Sample ID: LCS 880-7522/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7592 **Prep Batch: 7522**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	867.3		mg/Kg		87	70 - 130

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 880-5790-1
Project/Site: EVGSAU 217-006 Flowline Release Remediation SDG: Lea County, New Mexico

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-7522/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7592 **Prep Batch: 7522**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics (Over C10-C28)			1000	895.3		mg/Kg		90	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*103*		*70 - 130*

Lab Sample ID: LCSD 880-7522/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7592 **Prep Batch: 7522**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	889.8		mg/Kg		89	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	896.2		mg/Kg		90	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*103*		*70 - 130*

Lab Sample ID: 880-5790-1 MS **Client Sample ID: FS-6 (2')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7592 **Prep Batch: 7522**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	952.3		mg/Kg		96	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	995	1025		mg/Kg		103	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*110*		*70 - 130*

Lab Sample ID: 880-5790-1 MSD **Client Sample ID: FS-6 (2')**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7592 **Prep Batch: 7522**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	937.4		mg/Kg		94	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	969.8		mg/Kg		97	70 - 130	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 880-5790-1
Project/Site: EVGSAU 217-006 Flowline Release Remediation SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-7526/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 7556

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/04/21 14:04	1

Lab Sample ID: LCS 880-7526/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 7556

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	252.3		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-7526/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 7556

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	252.1		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-5790-1 MS **Client Sample ID: FS-6 (2')**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 7556

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	975		253	1230		mg/Kg		101	90 - 110		

Lab Sample ID: 880-5790-1 MSD **Client Sample ID: FS-6 (2')**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 7556

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	975		253	1235		mg/Kg		103	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc. Job ID: 880-5790-1
Project/Site: EVGSAU 217-006 Flowline Release Remediation SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 7614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5790-1	FS-6 (2')	Total/NA	Solid	8021B	7618
880-5790-2	FS-7 (2')	Total/NA	Solid	8021B	7618
880-5790-3	FS-8 (3')	Total/NA	Solid	8021B	7618
880-5790-4	FS-10 (4')	Total/NA	Solid	8021B	7618
MB 880-7618/5-A	Method Blank	Total/NA	Solid	8021B	7618
LCS 880-7618/1-A	Lab Control Sample	Total/NA	Solid	8021B	7618
LCSD 880-7618/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	7618
880-5790-1 MS	FS-6 (2')	Total/NA	Solid	8021B	7618
880-5790-1 MSD	FS-6 (2')	Total/NA	Solid	8021B	7618

Prep Batch: 7618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5790-1	FS-6 (2')	Total/NA	Solid	5035	
880-5790-2	FS-7 (2')	Total/NA	Solid	5035	
880-5790-3	FS-8 (3')	Total/NA	Solid	5035	
880-5790-4	FS-10 (4')	Total/NA	Solid	5035	
MB 880-7618/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-7618/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-7618/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-5790-1 MS	FS-6 (2')	Total/NA	Solid	5035	
880-5790-1 MSD	FS-6 (2')	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 7522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5790-1	FS-6 (2')	Total/NA	Solid	8015NM Prep	
880-5790-2	FS-7 (2')	Total/NA	Solid	8015NM Prep	
880-5790-3	FS-8 (3')	Total/NA	Solid	8015NM Prep	
880-5790-4	FS-10 (4')	Total/NA	Solid	8015NM Prep	
MB 880-7522/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-7522/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-7522/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-5790-1 MS	FS-6 (2')	Total/NA	Solid	8015NM Prep	
880-5790-1 MSD	FS-6 (2')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 7592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5790-1	FS-6 (2')	Total/NA	Solid	8015B NM	7522
880-5790-2	FS-7 (2')	Total/NA	Solid	8015B NM	7522
880-5790-3	FS-8 (3')	Total/NA	Solid	8015B NM	7522
880-5790-4	FS-10 (4')	Total/NA	Solid	8015B NM	7522
MB 880-7522/1-A	Method Blank	Total/NA	Solid	8015B NM	7522
LCS 880-7522/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	7522
LCSD 880-7522/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	7522
880-5790-1 MS	FS-6 (2')	Total/NA	Solid	8015B NM	7522
880-5790-1 MSD	FS-6 (2')	Total/NA	Solid	8015B NM	7522

QC Association Summary

Client: Tetra Tech, Inc. Job ID: 880-5790-1
Project/Site: EVGSAU 217-006 Flowline Release Remediation SDG: Lea County, New Mexico

HPLC/IC

Leach Batch: 7526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5790-1	FS-6 (2')	Soluble	Solid	DI Leach	
880-5790-2	FS-7 (2')	Soluble	Solid	DI Leach	
880-5790-3	FS-8 (3')	Soluble	Solid	DI Leach	
880-5790-4	FS-10 (4')	Soluble	Solid	DI Leach	
MB 880-7526/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-7526/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7526/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-5790-1 MS	FS-6 (2')	Soluble	Solid	DI Leach	
880-5790-1 MSD	FS-6 (2')	Soluble	Solid	DI Leach	

Analysis Batch: 7556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5790-1	FS-6 (2')	Soluble	Solid	300.0	7526
880-5790-2	FS-7 (2')	Soluble	Solid	300.0	7526
880-5790-3	FS-8 (3')	Soluble	Solid	300.0	7526
880-5790-4	FS-10 (4')	Soluble	Solid	300.0	7526
MB 880-7526/1-A	Method Blank	Soluble	Solid	300.0	7526
LCS 880-7526/2-A	Lab Control Sample	Soluble	Solid	300.0	7526
LCSD 880-7526/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7526
880-5790-1 MS	FS-6 (2')	Soluble	Solid	300.0	7526
880-5790-1 MSD	FS-6 (2')	Soluble	Solid	300.0	7526

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 880-5790-1
Project/Site: EVGSAU 217-006 Flowline Release Remediation SDG: Lea County, New Mexico

Client Sample ID: FS-6 (2') Lab Sample ID: 880-5790-1

Date Collected: 09/02/21 09:00 **Matrix: Solid**
Date Received: 09/03/21 13:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	7618	09/07/21 15:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7614	09/07/21 20:50	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7522	09/03/21 15:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7592	09/07/21 22:22	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	7526	09/03/21 16:34	CA	XEN MID
Soluble	Analysis	300.0		1			7556	09/06/21 11:42	CH	XEN MID

Client Sample ID: FS-7 (2') Lab Sample ID: 880-5790-2

Date Collected: 09/02/21 11:00 **Matrix: Solid**
Date Received: 09/03/21 13:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	7618	09/07/21 15:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7614	09/07/21 21:10	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7522	09/03/21 15:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7592	09/07/21 23:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	7526	09/03/21 16:34	CA	XEN MID
Soluble	Analysis	300.0		1			7556	09/04/21 14:37	CH	XEN MID

Client Sample ID: FS-8 (3') Lab Sample ID: 880-5790-3

Date Collected: 09/02/21 14:00 **Matrix: Solid**
Date Received: 09/03/21 13:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	7618	09/07/21 15:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7614	09/07/21 21:31	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7522	09/03/21 15:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7592	09/07/21 23:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7526	09/03/21 16:34	CA	XEN MID
Soluble	Analysis	300.0		1			7556	09/04/21 14:43	CH	XEN MID

Client Sample ID: FS-10 (4') Lab Sample ID: 880-5790-4

Date Collected: 09/02/21 17:00 **Matrix: Solid**
Date Received: 09/03/21 13:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	7618	09/07/21 15:46	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7614	09/07/21 21:51	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7522	09/03/21 15:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7592	09/08/21 00:09	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	7526	09/03/21 16:34	CA	XEN MID
Soluble	Analysis	300.0		1			7556	09/04/21 14:49	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Tetra Tech, Inc. Job ID: 880-5790-1
Project/Site: EVGSAU 217-006 Flowline Release Remediation SDG: Lea County, New Mexico

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: Tetra Tech, Inc. Job ID: 880-5790-1
Project/Site: EVGSAU 217-006 Flowline Release Remediation SDG: Lea County, New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Tetra Tech, Inc. Job ID: 880-5790-1
Project/Site: EVGSAU 217-006 Flowline Release Remediation SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-5790-1	FS-6 (2')	Solid	09/02/21 09:00	09/03/21 13:51
880-5790-2	FS-7 (2')	Solid	09/02/21 11:00	09/03/21 13:51
880-5790-3	FS-8 (3')	Solid	09/02/21 14:00	09/03/21 13:51
880-5790-4	FS-10 (4')	Solid	09/02/21 17:00	09/03/21 13:51

Analysis Request of Chain of Custody Record

880-5790 Chain of Custody

Tetra Tech, Inc.

901 West Wall Street, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	Conoco Phillips	**Site Manager:**	Christian Llull
Project Name:	EVGSAU 2717-006 Flowline Release Remediation	**Contact Info:**	Email Christian.Llull@tetratech.com Phone (512) 565-0190
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-02377.11
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Eurofins-Xenco	**Sampler Signature:**	Andrew Garcia
Comments:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR 2021 DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: NONE	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO DRO ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8260B / 624	GC/MS Semi Vol 8270C/625	PCB s 8082 / 608	NORM	PLM (Asbestos)	Chloride 300 0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		HOLD
	FS-6 (2')	09/02/21	900		X				X			1	N	X		X												X					
	FS-7 (2')	09/02/21	1100		X				X			1	N	X		X												X					
	FS-8 (3')	09/02/21	1400		X				X			1	N	X		X												X					
	FS-10 (4')	09/02/21	1700		X				X			1	N	X		X												X					

	Relinquished by	Date	Time	Received by	Date	Time
	Andrew Garcia	3-Sep-21		Kramer	9.3.21	1349
	Relinquished by	Date	Time	Received by	Date	Time
	Relinquished by	Date	Time	Received by	Date	Time

ORIGINAL COPY

LAB USE ONLY

Sample Temperature 4.1 / 4.6

REMARKS:

- ☐ Standard
- ☒ RUSH Same Day (24 hr) 48 hr 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-5790-1
SDG Number: Lea County, New Mexico

Login Number: 5790
List Number: 1
Creator: Teel, Brianna

List Source: Eurofins Xenco, Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-5857-1
Laboratory Sample Delivery Group: Lea County NM
Client Project/Site: EVGSAU 2717-006

For:
Tetra Tech, Inc.
901 W Wall
Ste 100
Midland, Texas 79701

Attn: Joe Tyler

JKramer

Authorized for release by:
9/9/2021 2:28:16 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Laboratory Job ID: 880-5857-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 880-5857-1
Project/Site: EVGSAU 2717-006 SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5857-1
SDG: Lea County NM

Job ID: 880-5857-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-5857-1

Receipt
The samples were received on 9/8/2021 12:44 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.5°C

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: ESW-2 (2') (880-5857-1), NSW-2 (1') (880-5857-2), ESW-5 (3') (880-5857-3) and SSW-3 (1') (880-5857-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-7654 and analytical batch 880-7637 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5857-1
SDG: Lea County NM

Client Sample ID: ESW-2 (2')

Lab Sample ID: 880-5857-1
Matrix: Solid
Date Collected: 09/07/21 00:00
Date Received: 09/08/21 12:44

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/08/21 13:51	09/09/21 01:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/08/21 13:51	09/09/21 01:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/08/21 13:51	09/09/21 01:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/08/21 13:51	09/09/21 01:06	1
o-Xylene	<0.00201	U F1 F2	0.00201		mg/Kg		09/08/21 13:51	09/09/21 01:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/08/21 13:51	09/09/21 01:06	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		09/08/21 13:51	09/09/21 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*09/08/21 13:51*	*09/09/21 01:06*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*09/08/21 13:51*	*09/09/21 01:06*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/08/21 14:58	09/08/21 21:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/08/21 14:58	09/08/21 21:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/08/21 14:58	09/08/21 21:17	1
Total TPH	<50.0	U	50.0		mg/Kg		09/08/21 14:58	09/08/21 21:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*09/08/21 14:58*	*09/08/21 21:17*	*1*
o-Terphenyl	*112*		*70 - 130*	*09/08/21 14:58*	*09/08/21 21:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**149**		4.95		mg/Kg			09/09/21 04:00	1

Client Sample ID: NSW-2 (1')

Lab Sample ID: 880-5857-2
Matrix: Solid
Date Collected: 09/07/21 00:00
Date Received: 09/08/21 12:44

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/08/21 13:51	09/09/21 01:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/08/21 13:51	09/09/21 01:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/08/21 13:51	09/09/21 01:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/08/21 13:51	09/09/21 01:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/08/21 13:51	09/09/21 01:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/08/21 13:51	09/09/21 01:26	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		09/08/21 13:51	09/09/21 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*09/08/21 13:51*	*09/09/21 01:26*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*09/08/21 13:51*	*09/09/21 01:26*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/08/21 14:58	09/08/21 22:21	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5857-1
SDG: Lea County NM

Client Sample ID: NSW-2 (1')

Lab Sample ID: 880-5857-2
Matrix: Solid
Date Collected: 09/07/21 00:00
Date Received: 09/08/21 12:44

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/08/21 14:58	09/08/21 22:21	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/08/21 14:58	09/08/21 22:21	1
Total TPH	<49.9	U	49.9		mg/Kg		09/08/21 14:58	09/08/21 22:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*09/08/21 14:58*	*09/08/21 22:21*	*1*
o-Terphenyl	*111*		*70 - 130*	*09/08/21 14:58*	*09/08/21 22:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**216**		5.00		mg/Kg			09/09/21 04:17	1

Client Sample ID: ESW-5 (3')

Lab Sample ID: 880-5857-3
Matrix: Solid
Date Collected: 09/07/21 00:00
Date Received: 09/08/21 12:44

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/08/21 13:51	09/09/21 01:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/08/21 13:51	09/09/21 01:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/08/21 13:51	09/09/21 01:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/08/21 13:51	09/09/21 01:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/08/21 13:51	09/09/21 01:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/08/21 13:51	09/09/21 01:47	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		09/08/21 13:51	09/09/21 01:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*09/08/21 13:51*	*09/09/21 01:47*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*09/08/21 13:51*	*09/09/21 01:47*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/08/21 14:58	09/08/21 22:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/08/21 14:58	09/08/21 22:42	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/08/21 14:58	09/08/21 22:42	1
Total TPH	<49.8	U	49.8		mg/Kg		09/08/21 14:58	09/08/21 22:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*09/08/21 14:58*	*09/08/21 22:42*	*1*
o-Terphenyl	*111*		*70 - 130*	*09/08/21 14:58*	*09/08/21 22:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**116**		4.99		mg/Kg			09/09/21 04:22	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5857-1
SDG: Lea County NM

Client Sample ID: SSW-3 (1')

Date Collected: 09/07/21 00:00
Date Received: 09/08/21 12:44

Lab Sample ID: 880-5857-4

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/08/21 13:51	09/09/21 02:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/08/21 13:51	09/09/21 02:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/08/21 13:51	09/09/21 02:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/08/21 13:51	09/09/21 02:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/08/21 13:51	09/09/21 02:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/08/21 13:51	09/09/21 02:07	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		09/08/21 13:51	09/09/21 02:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*09/08/21 13:51*	*09/09/21 02:07*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*09/08/21 13:51*	*09/09/21 02:07*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/08/21 14:58	09/08/21 23:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/08/21 14:58	09/08/21 23:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/08/21 14:58	09/08/21 23:03	1
Total TPH	<49.9	U	49.9		mg/Kg		09/08/21 14:58	09/08/21 23:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*09/08/21 14:58*	*09/08/21 23:03*	*1*
o-Terphenyl	*115*		*70 - 130*	*09/08/21 14:58*	*09/08/21 23:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**337**		4.96		mg/Kg			09/09/21 04:28	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5857-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-5857-1	ESW-2 (2')	135 S1+	101
880-5857-1 MS	ESW-2 (2')	129	104
880-5857-1 MSD	ESW-2 (2')	125	106
880-5857-2	NSW-2 (1')	131 S1+	93
880-5857-3	ESW-5 (3')	139 S1+	96
880-5857-4	SSW-3 (1')	137 S1+	98
LCS 880-7654/1-A	Lab Control Sample	119	95
LCSD 880-7654/2-A	Lab Control Sample Dup	116	104
MB 880-7636/5-A	Method Blank	105	98
MB 880-7654/5-A	Method Blank	102	96

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-5857-1	ESW-2 (2')	100	112
880-5857-1 MS	ESW-2 (2')	92	94
880-5857-1 MSD	ESW-2 (2')	94	96
880-5857-2	NSW-2 (1')	99	111
880-5857-3	ESW-5 (3')	99	111
880-5857-4	SSW-3 (1')	103	115
LCS 880-7663/2-A	Lab Control Sample	102	111
LCSD 880-7663/3-A	Lab Control Sample Dup	96	104
MB 880-7663/1-A	Method Blank	94	110

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5857-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-7636/5-A
Matrix: Solid
Analysis Batch: 7637

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7636

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/08/21 09:25	09/08/21 12:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/08/21 09:25	09/08/21 12:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/08/21 09:25	09/08/21 12:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/08/21 09:25	09/08/21 12:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/08/21 09:25	09/08/21 12:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/08/21 09:25	09/08/21 12:29	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/08/21 09:25	09/08/21 12:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*09/08/21 09:25*	*09/08/21 12:29*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*09/08/21 09:25*	*09/08/21 12:29*	*1*

Lab Sample ID: MB 880-7654/5-A
Matrix: Solid
Analysis Batch: 7637

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7654

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/08/21 13:51	09/09/21 00:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/08/21 13:51	09/09/21 00:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/08/21 13:51	09/09/21 00:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/08/21 13:51	09/09/21 00:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/08/21 13:51	09/09/21 00:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/08/21 13:51	09/09/21 00:44	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		09/08/21 13:51	09/09/21 00:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*09/08/21 13:51*	*09/09/21 00:44*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*09/08/21 13:51*	*09/09/21 00:44*	*1*

Lab Sample ID: LCS 880-7654/1-A
Matrix: Solid
Analysis Batch: 7637

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 7654

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09356		mg/Kg		94	70 - 130
Toluene	0.100	0.08792		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.08806		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1859		mg/Kg		93	70 - 130
o-Xylene	0.100	0.09439		mg/Kg		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5857-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-7654/2-A
Matrix: Solid
Analysis Batch: 7637

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7654

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08448		mg/Kg		84	70 - 130	10	35
Toluene			0.100	0.07939		mg/Kg		79	70 - 130	10	35
Ethylbenzene			0.100	0.07994		mg/Kg		80	70 - 130	10	35
m-Xylene & p-Xylene			0.200	0.1690		mg/Kg		85	70 - 130	10	35
o-Xylene			0.100	0.08583		mg/Kg		86	70 - 130	10	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 880-5857-1 MS
Matrix: Solid
Analysis Batch: 7637

Client Sample ID: ESW-2 (2')
Prep Type: Total/NA
Prep Batch: 7654

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00201	U	0.0998	0.09201		mg/Kg		92	70 - 130
Toluene	<0.00201	U	0.0998	0.08237		mg/Kg		83	70 - 130
Ethylbenzene	<0.00201	U	0.0998	0.08463		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1778		mg/Kg		89	70 - 130
o-Xylene	<0.00201	U F1 F2	0.0998	0.08970		mg/Kg		90	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 880-5857-1 MSD
Matrix: Solid
Analysis Batch: 7637

Client Sample ID: ESW-2 (2')
Prep Type: Total/NA
Prep Batch: 7654

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.101	0.09092		mg/Kg		90	70 - 130	1	35
Toluene	<0.00201	U	0.101	0.08350		mg/Kg		83	70 - 130	1	35
Ethylbenzene	<0.00201	U	0.101	0.08311		mg/Kg		82	70 - 130	2	35
m-Xylene & p-Xylene	<0.00402	U	0.202	0.1718		mg/Kg		85	70 - 130	3	35
o-Xylene	<0.00201	U F1 F2	0.101	0.03857	F1 F2	mg/Kg		38	70 - 130	80	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5857-1
SDG: Lea County NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-7663/1-A
Matrix: Solid
Analysis Batch: 7628

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7663

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/08/21 14:58	09/08/21 20:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/08/21 14:58	09/08/21 20:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/08/21 14:58	09/08/21 20:13	1
Total TPH	<50.0	U	50.0		mg/Kg		09/08/21 14:58	09/08/21 20:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*09/08/21 14:58*	*09/08/21 20:13*	*1*
o-Terphenyl	*110*		*70 - 130*	*09/08/21 14:58*	*09/08/21 20:13*	*1*

Lab Sample ID: LCS 880-7663/2-A
Matrix: Solid
Analysis Batch: 7628

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 7663

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	883.3		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	970.5		mg/Kg		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*102*		*70 - 130*
o-Terphenyl	*111*		*70 - 130*

Lab Sample ID: LCSD 880-7663/3-A
Matrix: Solid
Analysis Batch: 7628

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7663

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	794.2		mg/Kg		79	70 - 130	11	20
Diesel Range Organics (Over C10-C28)			1000	911.3		mg/Kg		91	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*96*		*70 - 130*
o-Terphenyl	*104*		*70 - 130*

Lab Sample ID: 880-5857-1 MS
Matrix: Solid
Analysis Batch: 7628

Client Sample ID: ESW-2 (2')
Prep Type: Total/NA
Prep Batch: 7663

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	772.6		mg/Kg		78	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	995	861.4		mg/Kg		87	70 - 130		

Eurofins Xenco, Midland

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5857-1
SDG: Lea County NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-5857-1 MS
Matrix: Solid
Analysis Batch: 7628

Client Sample ID: ESW-2 (2')
Prep Type: Total/NA
Prep Batch: 7663

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: 880-5857-1 MSD
Matrix: Solid
Analysis Batch: 7628

Client Sample ID: ESW-2 (2')
Prep Type: Total/NA
Prep Batch: 7663

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	810.7		mg/Kg		81	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	902.4		mg/Kg		90	70 - 130	5	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	96		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-7653/1-A
Matrix: Solid
Analysis Batch: 7673

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/09/21 03:43	1

Lab Sample ID: LCS 880-7653/2-A
Matrix: Solid
Analysis Batch: 7673

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	259.9		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-7653/3-A
Matrix: Solid
Analysis Batch: 7673

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	260.6		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-5857-1 MS
Matrix: Solid
Analysis Batch: 7673

Client Sample ID: ESW-2 (2')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	149		248	399.8		mg/Kg		101	90 - 110

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5857-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-5857-1 MSD
Matrix: Solid
Analysis Batch: 7673

Client Sample ID: ESW-2 (2')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	149		248	400.3		mg/Kg		102	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5857-1
SDG: Lea County NM

GC VOA

Prep Batch: 7636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-7636/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 7637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5857-1	ESW-2 (2')	Total/NA	Solid	8021B	7654
880-5857-2	NSW-2 (1')	Total/NA	Solid	8021B	7654
880-5857-3	ESW-5 (3')	Total/NA	Solid	8021B	7654
880-5857-4	SSW-3 (1')	Total/NA	Solid	8021B	7654
MB 880-7636/5-A	Method Blank	Total/NA	Solid	8021B	7636
MB 880-7654/5-A	Method Blank	Total/NA	Solid	8021B	7654
LCS 880-7654/1-A	Lab Control Sample	Total/NA	Solid	8021B	7654
LCSD 880-7654/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	7654
880-5857-1 MS	ESW-2 (2')	Total/NA	Solid	8021B	7654
880-5857-1 MSD	ESW-2 (2')	Total/NA	Solid	8021B	7654

Prep Batch: 7654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5857-1	ESW-2 (2')	Total/NA	Solid	5035	
880-5857-2	NSW-2 (1')	Total/NA	Solid	5035	
880-5857-3	ESW-5 (3')	Total/NA	Solid	5035	
880-5857-4	SSW-3 (1')	Total/NA	Solid	5035	
MB 880-7654/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-7654/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-7654/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-5857-1 MS	ESW-2 (2')	Total/NA	Solid	5035	
880-5857-1 MSD	ESW-2 (2')	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 7628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5857-1	ESW-2 (2')	Total/NA	Solid	8015B NM	7663
880-5857-2	NSW-2 (1')	Total/NA	Solid	8015B NM	7663
880-5857-3	ESW-5 (3')	Total/NA	Solid	8015B NM	7663
880-5857-4	SSW-3 (1')	Total/NA	Solid	8015B NM	7663
MB 880-7663/1-A	Method Blank	Total/NA	Solid	8015B NM	7663
LCS 880-7663/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	7663
LCSD 880-7663/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	7663
880-5857-1 MS	ESW-2 (2')	Total/NA	Solid	8015B NM	7663
880-5857-1 MSD	ESW-2 (2')	Total/NA	Solid	8015B NM	7663

Prep Batch: 7663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5857-1	ESW-2 (2')	Total/NA	Solid	8015NM Prep	
880-5857-2	NSW-2 (1')	Total/NA	Solid	8015NM Prep	
880-5857-3	ESW-5 (3')	Total/NA	Solid	8015NM Prep	
880-5857-4	SSW-3 (1')	Total/NA	Solid	8015NM Prep	
MB 880-7663/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-7663/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-7663/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-5857-1 MS	ESW-2 (2')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5857-1
SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 7663 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5857-1 MSD	ESW-2 (2')	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 7653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5857-1	ESW-2 (2')	Soluble	Solid	DI Leach	
880-5857-2	NSW-2 (1')	Soluble	Solid	DI Leach	
880-5857-3	ESW-5 (3')	Soluble	Solid	DI Leach	
880-5857-4	SSW-3 (1')	Soluble	Solid	DI Leach	
MB 880-7653/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-7653/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7653/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-5857-1 MS	ESW-2 (2')	Soluble	Solid	DI Leach	
880-5857-1 MSD	ESW-2 (2')	Soluble	Solid	DI Leach	

Analysis Batch: 7673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5857-1	ESW-2 (2')	Soluble	Solid	300.0	7653
880-5857-2	NSW-2 (1')	Soluble	Solid	300.0	7653
880-5857-3	ESW-5 (3')	Soluble	Solid	300.0	7653
880-5857-4	SSW-3 (1')	Soluble	Solid	300.0	7653
MB 880-7653/1-A	Method Blank	Soluble	Solid	300.0	7653
LCS 880-7653/2-A	Lab Control Sample	Soluble	Solid	300.0	7653
LCSD 880-7653/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7653
880-5857-1 MS	ESW-2 (2')	Soluble	Solid	300.0	7653
880-5857-1 MSD	ESW-2 (2')	Soluble	Solid	300.0	7653

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5857-1
SDG: Lea County NM

Client Sample ID: ESW-2 (2')

Lab Sample ID: 880-5857-1
Matrix: Solid
Date Collected: 09/07/21 00:00
Date Received: 09/08/21 12:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	7654	09/08/21 13:51	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7637	09/09/21 01:06	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7663	09/08/21 14:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7628	09/08/21 21:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7653	09/08/21 13:49	SC	XEN MID
Soluble	Analysis	300.0		1			7673	09/09/21 04:00	SC	XEN MID

Client Sample ID: NSW-2 (1')

Lab Sample ID: 880-5857-2
Matrix: Solid
Date Collected: 09/07/21 00:00
Date Received: 09/08/21 12:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	7654	09/08/21 13:51	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7637	09/09/21 01:26	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7663	09/08/21 14:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7628	09/08/21 22:21	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7653	09/08/21 13:49	SC	XEN MID
Soluble	Analysis	300.0		1			7673	09/09/21 04:17	SC	XEN MID

Client Sample ID: ESW-5 (3')

Lab Sample ID: 880-5857-3
Matrix: Solid
Date Collected: 09/07/21 00:00
Date Received: 09/08/21 12:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	7654	09/08/21 13:51	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7637	09/09/21 01:47	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7663	09/08/21 14:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7628	09/08/21 22:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	7653	09/08/21 13:49	SC	XEN MID
Soluble	Analysis	300.0		1			7673	09/09/21 04:22	SC	XEN MID

Client Sample ID: SSW-3 (1')

Lab Sample ID: 880-5857-4
Matrix: Solid
Date Collected: 09/07/21 00:00
Date Received: 09/08/21 12:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	7654	09/08/21 13:51	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7637	09/09/21 02:07	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7663	09/08/21 14:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7628	09/08/21 23:03	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	7653	09/08/21 13:49	SC	XEN MID
Soluble	Analysis	300.0		1			7673	09/09/21 04:28	SC	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5857-1
SDG: Lea County NM

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5857-1
SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

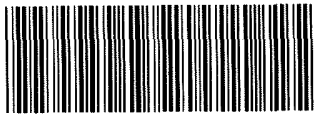
Sample Summary

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5857-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-5857-1	ESW-2 (2')	Solid	09/07/21 00:00	09/08/21 12:44
880-5857-2	NSW-2 (1')	Solid	09/07/21 00:00	09/08/21 12:44
880-5857-3	ESW-5 (3')	Solid	09/07/21 00:00	09/08/21 12:44
880-5857-4	SSW-3 (1')	Solid	09/07/21 00:00	09/08/21 12:44

Analysis Request of Chain of Custody Record



880-5857 Chain of Custody

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9/9/2021

5857

Tetra Tech, Inc.

901 West Wall Street, Suite
Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name	ConocoPhillips	**Site Manager**	Joe Tyler
Project Name	EVGSAU 2717-006	**Contact Info**	Email joe.tyler@tetratech.com Phone (432) 210-6952
Project Location (County, State)	Lea County, New Mexico	**Project #.**	212C-MD-02377
Invoice to	Accounts Payable 901 West Wall Street, Suite 100 Midland Texas 79701		
Receiving Laboratory	Xenco	**Sampler Signature**	Andrew
Comments			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR 2021 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8260B / 624	GC/MS Semi Vol 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300 0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	HOLD
	ESW-2(2')	9.7.21			X			X		01	N	X		X												X				
	NSW-2(1')																													
	ESW-5(3')																													
	SSW-3(1')																													
	[redacted]																													
	[redacted]																													
	[redacted]																													

Relinquished by	Date	Time	Received by	Date	Time
Joe Tyler	9-08-21	1244	KGN	9.8.21	1244
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time

ORIGINAL COPY

LAB USE ONLY

Sample Temperature
3.0/3.5
+0.5

REMARKS

- ☐ Standard
- ☒ RUSH Same Day (24 hr) 48 hr 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-5857-1
SDG Number: Lea County NM

Login Number: 5857
List Number: 1
Creator: Phillips, Kerianna

List Source: Eurofins Xenco, Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	No time on COC or sample containers
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-5918-1
Laboratory Sample Delivery Group: Lea County NM
Client Project/Site: EVGSAU 2717-006
Revision: 1

For:
Tetra Tech, Inc.
901 W Wall
Ste 100
Midland, Texas 79701

Attn: Joe Tyler

JKramer

Authorized for release by:
9/14/2021 11:01:40 AM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Laboratory Job ID: 880-5918-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5918-1
SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5918-1
SDG: Lea County NM

Job ID: 880-5918-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-5918-1

Receipt
The samples were received on 9/9/2021 12:45 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.0°C

GC VOA
Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-7706 and analytical batch 880-7711 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-7707 and analytical batch 880-7720 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5918-1
SDG: Lea County NM

Client Sample ID: FS-4 (2')
Date Collected: 09/08/21 00:00
Date Received: 09/09/21 12:45

Lab Sample ID: 880-5918-1
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		09/09/21 13:47	09/10/21 07:28	1
Toluene	<0.00200	U F2 F1	0.00200		mg/Kg		09/09/21 13:47	09/10/21 07:28	1
Ethylbenzene	<0.00200	U F2 F1	0.00200		mg/Kg		09/09/21 13:47	09/10/21 07:28	1
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.00401		mg/Kg		09/09/21 13:47	09/10/21 07:28	1
o-Xylene	<0.00200	U F2 F1	0.00200		mg/Kg		09/09/21 13:47	09/10/21 07:28	1
Xylenes, Total	<0.00401	U F2 F1	0.00401		mg/Kg		09/09/21 13:47	09/10/21 07:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*09/09/21 13:47*	*09/10/21 07:28*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*09/09/21 13:47*	*09/10/21 07:28*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/09/21 15:17	09/09/21 22:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/09/21 15:17	09/09/21 22:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/09/21 15:17	09/09/21 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*09/09/21 15:17*	*09/09/21 22:17*	*1*
o-Terphenyl	*93*		*70 - 130*	*09/09/21 15:17*	*09/09/21 22:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**793**	**F1**	4.98		mg/Kg			09/10/21 07:52	1

Client Sample ID: FS-13 (3')
Date Collected: 09/08/21 00:00
Date Received: 09/09/21 12:45

Lab Sample ID: 880-5918-2
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/09/21 13:47	09/10/21 07:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/09/21 13:47	09/10/21 07:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/09/21 13:47	09/10/21 07:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/09/21 13:47	09/10/21 07:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/09/21 13:47	09/10/21 07:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/09/21 13:47	09/10/21 07:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*09/09/21 13:47*	*09/10/21 07:49*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*09/09/21 13:47*	*09/10/21 07:49*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/09/21 15:17	09/09/21 23:20	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/09/21 15:17	09/09/21 23:20	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/09/21 15:17	09/09/21 23:20	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5918-1
SDG: Lea County NM

Client Sample ID: FS-13 (3')
Date Collected: 09/08/21 00:00
Date Received: 09/09/21 12:45

Lab Sample ID: 880-5918-2
Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*09/09/21 15:17*	*09/09/21 23:20*	*1*
o-Terphenyl	*100*		*70 - 130*	*09/09/21 15:17*	*09/09/21 23:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**382**		5.04		mg/Kg			09/10/21 08:09	1

Client Sample ID: FS-14 (5')
Date Collected: 09/08/21 00:00
Date Received: 09/09/21 12:45

Lab Sample ID: 880-5918-3
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/09/21 13:47	09/10/21 08:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/09/21 13:47	09/10/21 08:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/09/21 13:47	09/10/21 08:09	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/09/21 13:47	09/10/21 08:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/09/21 13:47	09/10/21 08:09	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/09/21 13:47	09/10/21 08:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*09/09/21 13:47*	*09/10/21 08:09*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*09/09/21 13:47*	*09/10/21 08:09*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/09/21 13:32	09/10/21 05:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/09/21 13:32	09/10/21 05:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/09/21 13:32	09/10/21 05:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*09/09/21 13:32*	*09/10/21 05:58*	*1*
o-Terphenyl	*102*		*70 - 130*	*09/09/21 13:32*	*09/10/21 05:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**284**		4.95		mg/Kg			09/10/21 08:15	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5918-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-5918-1	FS-4 (2')	113	74
880-5918-1 MS	FS-4 (2')	213 S1+	149 S1+
880-5918-1 MSD	FS-4 (2')	119	87
880-5918-2	FS-13 (3')	120	89
880-5918-3	FS-14 (5')	117	96
LCS 880-7706/1-A	Lab Control Sample	138 S1+	109
LCSD 880-7706/2-A	Lab Control Sample Dup	98	93
MB 880-7696/5-A	Method Blank	128	100
MB 880-7706/5-A	Method Blank	164 S1+	107

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-5902-A-22-F MS	Matrix Spike	110	104
880-5902-A-22-G MSD	Matrix Spike Duplicate	111	105
880-5918-1	FS-4 (2')	86	93
880-5918-1 MS	FS-4 (2')	87	86
880-5918-1 MSD	FS-4 (2')	90	91
880-5918-2	FS-13 (3')	94	100
880-5918-3	FS-14 (5')	94	102
LCS 880-7705/2-A	Lab Control Sample	98	100
LCS 880-7710/2-A	Lab Control Sample	91	91
LCSD 880-7705/3-A	Lab Control Sample Dup	96	104
LCSD 880-7710/3-A	Lab Control Sample Dup	94	100
MB 880-7705/1-A	Method Blank	110	127
MB 880-7710/1-A	Method Blank	84	93

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5918-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-7696/5-A
Matrix: Solid
Analysis Batch: 7711

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7696

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/09/21 11:55	09/09/21 19:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/09/21 11:55	09/09/21 19:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/09/21 11:55	09/09/21 19:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/09/21 11:55	09/09/21 19:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/09/21 11:55	09/09/21 19:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/09/21 11:55	09/09/21 19:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*09/09/21 11:55*	*09/09/21 19:26*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*09/09/21 11:55*	*09/09/21 19:26*	*1*

Lab Sample ID: MB 880-7706/5-A
Matrix: Solid
Analysis Batch: 7711

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7706

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/09/21 13:47	09/10/21 07:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/09/21 13:47	09/10/21 07:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/09/21 13:47	09/10/21 07:00	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/09/21 13:47	09/10/21 07:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/09/21 13:47	09/10/21 07:00	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/09/21 13:47	09/10/21 07:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*164*	*S1+*	*70 - 130*	*09/09/21 13:47*	*09/10/21 07:00*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*09/09/21 13:47*	*09/10/21 07:00*	*1*

Lab Sample ID: LCS 880-7706/1-A
Matrix: Solid
Analysis Batch: 7711

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 7706

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.07809		mg/Kg		78	70 - 130
Toluene	0.100	0.1023		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.09775		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.2004		mg/Kg		100	70 - 130
o-Xylene	0.100	0.1084		mg/Kg		108	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: LCSD 880-7706/2-A
Matrix: Solid
Analysis Batch: 7711

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7706

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08162		mg/Kg		82	70 - 130	4	35

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5918-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-7706/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 7711 — **Prep Batch: 7706**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			0.100	0.09562		mg/Kg		96	70 - 130	7	35
Ethylbenzene			0.100	0.1004		mg/Kg		100	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1874		mg/Kg		94	70 - 130	7	35
o-Xylene			0.100	0.09278		mg/Kg		93	70 - 130	15	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: 880-5918-1 MS — **Client Sample ID: FS-4 (2')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 7711 — **Prep Batch: 7706**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F1	0.0998	0.03919	F1	mg/Kg		39	70 - 130
Toluene	<0.00200	U F2 F1	0.0998	0.07828		mg/Kg		78	70 - 130
Ethylbenzene	<0.00200	U F2 F1	0.0998	0.09466		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.200	0.1257	F1	mg/Kg		63	70 - 130
o-Xylene	<0.00200	U F2 F1	0.0998	0.06365	F1	mg/Kg		63	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*213*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*149*	*S1+*	*70 - 130*

Lab Sample ID: 880-5918-1 MSD — **Client Sample ID: FS-4 (2')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 7711 — **Prep Batch: 7706**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.0996	0.03636	F1	mg/Kg		37	70 - 130	7	35
Toluene	<0.00200	U F2 F1	0.0996	0.04681	F2 F1	mg/Kg		47	70 - 130	50	35
Ethylbenzene	<0.00200	U F2 F1	0.0996	0.05308	F2 F1	mg/Kg		53	70 - 130	56	35
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.199	0.07218	F2 F1	mg/Kg		36	70 - 130	54	35
o-Xylene	<0.00200	U F2 F1	0.0996	0.04038	F2 F1	mg/Kg		40	70 - 130	45	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-7705/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 7689 — **Prep Batch: 7705**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/09/21 13:31	09/09/21 21:14	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5918-1
SDG: Lea County NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-7705/1-A
Matrix: Solid
Analysis Batch: 7689

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7705

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/09/21 13:31	09/09/21 21:14	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/09/21 13:31	09/09/21 21:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*09/09/21 13:31*	*09/09/21 21:14*	*1*
o-Terphenyl	*127*		*70 - 130*	*09/09/21 13:31*	*09/09/21 21:14*	*1*

Lab Sample ID: LCS 880-7705/2-A
Matrix: Solid
Analysis Batch: 7689

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 7705

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	872.0		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1018		mg/Kg		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*100*		*70 - 130*

Lab Sample ID: LCSD 880-7705/3-A
Matrix: Solid
Analysis Batch: 7689

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7705

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	767.5		mg/Kg		77	70 - 130	13	20
Diesel Range Organics (Over C10-C28)			1000	908.7		mg/Kg		91	70 - 130	11	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*96*		*70 - 130*
o-Terphenyl	*104*		*70 - 130*

Lab Sample ID: 880-5902-A-22-F MS
Matrix: Solid
Analysis Batch: 7689

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 7705

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	997	944.7		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.7	U	997	1149		mg/Kg		114	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*104*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5918-1
SDG: Lea County NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-5902-A-22-G MSD
Matrix: Solid
Analysis Batch: 7689

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 7705

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	999	1046		mg/Kg		102	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	<49.7	U	999	1186		mg/Kg		117	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*111*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: MB 880-7710/1-A
Matrix: Solid
Analysis Batch: 7687

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7710

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/09/21 15:17	09/09/21 21:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/09/21 15:17	09/09/21 21:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/09/21 15:17	09/09/21 21:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*09/09/21 15:17*	*09/09/21 21:14*	*1*
o-Terphenyl	*93*		*70 - 130*	*09/09/21 15:17*	*09/09/21 21:14*	*1*

Lab Sample ID: LCS 880-7710/2-A
Matrix: Solid
Analysis Batch: 7687

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 7710

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	935.8		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	870.6		mg/Kg		87	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*91*		*70 - 130*
o-Terphenyl	*91*		*70 - 130*

Lab Sample ID: LCSD 880-7710/3-A
Matrix: Solid
Analysis Batch: 7687

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7710

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1024		mg/Kg		102	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	942.9		mg/Kg		94	70 - 130	8	20

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5918-1
SDG: Lea County NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-7710/3-A
Matrix: Solid
Analysis Batch: 7687

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7710

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: 880-5918-1 MS
Matrix: Solid
Analysis Batch: 7687

Client Sample ID: FS-4 (2')
Prep Type: Total/NA
Prep Batch: 7710

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	817.9		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	997	759.6		mg/Kg		76	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	86		70 - 130

Lab Sample ID: 880-5918-1 MSD
Matrix: Solid
Analysis Batch: 7687

Client Sample ID: FS-4 (2')
Prep Type: Total/NA
Prep Batch: 7710

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	801.2		mg/Kg		80	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	797.1		mg/Kg		80	70 - 130	5	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	91		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-7707/1-A
Matrix: Solid
Analysis Batch: 7720

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/10/21 07:35	1

Lab Sample ID: LCS 880-7707/2-A
Matrix: Solid
Analysis Batch: 7720

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	257.3		mg/Kg		103	90 - 110

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5918-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-7707/3-A
Matrix: Solid
Analysis Batch: 7720

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	258.0		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-5918-1 MS
Matrix: Solid
Analysis Batch: 7720

Client Sample ID: FS-4 (2')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	793	F1	249	1009	F1	mg/Kg		87	90 - 110

Lab Sample ID: 880-5918-1 MSD
Matrix: Solid
Analysis Batch: 7720

Client Sample ID: FS-4 (2')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	793	F1	249	1010	F1	mg/Kg		87	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5918-1
SDG: Lea County NM

GC VOA

Prep Batch: 7696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-7696/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 7706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5918-1	FS-4 (2')	Total/NA	Solid	5035	
880-5918-2	FS-13 (3')	Total/NA	Solid	5035	
880-5918-3	FS-14 (5')	Total/NA	Solid	5035	
MB 880-7706/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-7706/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-7706/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-5918-1 MS	FS-4 (2')	Total/NA	Solid	5035	
880-5918-1 MSD	FS-4 (2')	Total/NA	Solid	5035	

Analysis Batch: 7711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5918-1	FS-4 (2')	Total/NA	Solid	8021B	7706
880-5918-2	FS-13 (3')	Total/NA	Solid	8021B	7706
880-5918-3	FS-14 (5')	Total/NA	Solid	8021B	7706
MB 880-7696/5-A	Method Blank	Total/NA	Solid	8021B	7696
MB 880-7706/5-A	Method Blank	Total/NA	Solid	8021B	7706
LCS 880-7706/1-A	Lab Control Sample	Total/NA	Solid	8021B	7706
LCSD 880-7706/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	7706
880-5918-1 MS	FS-4 (2')	Total/NA	Solid	8021B	7706
880-5918-1 MSD	FS-4 (2')	Total/NA	Solid	8021B	7706

GC Semi VOA

Analysis Batch: 7687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5918-1	FS-4 (2')	Total/NA	Solid	8015B NM	7710
880-5918-2	FS-13 (3')	Total/NA	Solid	8015B NM	7710
MB 880-7710/1-A	Method Blank	Total/NA	Solid	8015B NM	7710
LCS 880-7710/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	7710
LCSD 880-7710/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	7710
880-5918-1 MS	FS-4 (2')	Total/NA	Solid	8015B NM	7710
880-5918-1 MSD	FS-4 (2')	Total/NA	Solid	8015B NM	7710

Analysis Batch: 7689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5918-3	FS-14 (5')	Total/NA	Solid	8015B NM	7705
MB 880-7705/1-A	Method Blank	Total/NA	Solid	8015B NM	7705
LCS 880-7705/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	7705
LCSD 880-7705/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	7705
880-5902-A-22-F MS	Matrix Spike	Total/NA	Solid	8015B NM	7705
880-5902-A-22-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	7705

Prep Batch: 7705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5918-3	FS-14 (5')	Total/NA	Solid	8015NM Prep	
MB 880-7705/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-7705/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5918-1
SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 7705 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-7705/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-5902-A-22-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-5902-A-22-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 7710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5918-1	FS-4 (2')	Total/NA	Solid	8015NM Prep	
880-5918-2	FS-13 (3')	Total/NA	Solid	8015NM Prep	
MB 880-7710/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-7710/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-7710/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-5918-1 MS	FS-4 (2')	Total/NA	Solid	8015NM Prep	
880-5918-1 MSD	FS-4 (2')	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 7707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5918-1	FS-4 (2')	Soluble	Solid	DI Leach	
880-5918-2	FS-13 (3')	Soluble	Solid	DI Leach	
880-5918-3	FS-14 (5')	Soluble	Solid	DI Leach	
MB 880-7707/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-7707/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7707/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-5918-1 MS	FS-4 (2')	Soluble	Solid	DI Leach	
880-5918-1 MSD	FS-4 (2')	Soluble	Solid	DI Leach	

Analysis Batch: 7720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5918-1	FS-4 (2')	Soluble	Solid	300.0	7707
880-5918-2	FS-13 (3')	Soluble	Solid	300.0	7707
880-5918-3	FS-14 (5')	Soluble	Solid	300.0	7707
MB 880-7707/1-A	Method Blank	Soluble	Solid	300.0	7707
LCS 880-7707/2-A	Lab Control Sample	Soluble	Solid	300.0	7707
LCSD 880-7707/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7707
880-5918-1 MS	FS-4 (2')	Soluble	Solid	300.0	7707
880-5918-1 MSD	FS-4 (2')	Soluble	Solid	300.0	7707

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5918-1
SDG: Lea County NM

Client Sample ID: FS-4 (2')
Date Collected: 09/08/21 00:00
Date Received: 09/09/21 12:45

Lab Sample ID: 880-5918-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	7706	09/09/21 13:47	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7711	09/10/21 07:28	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7710	09/09/21 15:17	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7687	09/09/21 22:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7707	09/09/21 14:23	CH	XEN MID
Soluble	Analysis	300.0		1			7720	09/10/21 07:52	CH	XEN MID

Client Sample ID: FS-13 (3')
Date Collected: 09/08/21 00:00
Date Received: 09/09/21 12:45

Lab Sample ID: 880-5918-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	7706	09/09/21 13:47	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7711	09/10/21 07:49	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	7710	09/09/21 15:17	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7687	09/09/21 23:20	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	7707	09/09/21 14:23	CH	XEN MID
Soluble	Analysis	300.0		1			7720	09/10/21 08:09	CH	XEN MID

Client Sample ID: FS-14 (5')
Date Collected: 09/08/21 00:00
Date Received: 09/09/21 12:45

Lab Sample ID: 880-5918-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	7706	09/09/21 13:47	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7711	09/10/21 08:09	MR	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7705	09/09/21 13:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7689	09/10/21 05:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7707	09/09/21 14:23	CH	XEN MID
Soluble	Analysis	300.0		1			7720	09/10/21 08:15	CH	XEN MID

Laboratory References:
XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5918-1
SDG: Lea County NM

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

Method Summary

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5918-1
SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-5918-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-5918-1	FS-4 (2')	Solid	09/08/21 00:00	09/09/21 12:45
880-5918-2	FS-13 (3')	Solid	09/08/21 00:00	09/09/21 12:45
880-5918-3	FS-14 (5')	Solid	09/08/21 00:00	09/09/21 12:45

Analysis Request of Chain of Custody Record

880-5918 Chain of Custody

Page 01 of 01

Tetra Tech, Inc.

901 West Wall Street, Suite
Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

880-5918

9/14/2021 (Rev. 1)

Client Name.	ConocoPhillips	Site Manager	Joe Tyler
Project Name	EVGSAU 2717-006	Contact Info	Email joe.tyler@tetratech.com Phone (432) 210-6952
Project Location (County, State)	Lea County, New Mexico	Project #	212C-MD-02377
Invoice to.	Accounts Payable 901 West Wall Street, Suite 100 Midland Texas 79701		
Receiving Laboratory	Xenco	Sampler Signature	Andrew
Comments			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR 2021 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8260B / 624	GC/MS Semi Vol 8270C/625	PCB s 8082 / 608	NORM	PLM (Asbestos)	Chloride 300 0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	
	FS-4 (2')	9.8.21			X				X			01	N	X		X												X				
	FS-13 (3')	↓			↓				↓			↓	↓	↓		↓												↓				
	FS-14 (4')	↓			↓				↓			↓	↓	↓		↓												↓				

Relinquished by	Date	Time	Received by	Date	Time
[signature]	9-9-21	1245	[signature]	9/9/21	1245
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time

ORIGINAL COPY

LAB USE ONLY

Sample Temperature 5.5/6.0

REMARKS

- ☐ Standard
- ☒ RUSH Same Day (24 hr) 48 hr 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

Page 1 of 1

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-5918-1
SDG Number: Lea County NM

Login Number: 5918
List Number: 1
Creator: Phillips, Kerianna

List Source: Eurofins Xenco, Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-6052-1
Laboratory Sample Delivery Group: Lea County, New Mexico
Client Project/Site: EVGSAU 2717-006

For:
Tetra Tech, Inc.
901 W Wall
Ste 100
Midland, Texas 79701

Attn: Joe Tyler

JKramer

Authorized for release by:
9/14/2021 7:37:48 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Laboratory Job ID: 880-6052-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 880-6052-1
Project/Site: EVGSAU 2717-006 SDG: Lea County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-6052-1
SDG: Lea County, New Mexico

Job ID: 880-6052-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-6052-1

Receipt
The samples were received on 9/13/2021 5:07 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 20.5°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-7836 and analytical batch 880-7815 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: FS-4 (3') (880-6052-1) and (880-6047-A-1-B MSD). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-6052-1
SDG: Lea County, New Mexico

Client Sample ID: FS-4 (3')

Lab Sample ID: 880-6052-1
Matrix: Solid
Date Collected: 09/13/21 00:00
Date Received: 09/13/21 17:07
Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0105**		0.00200		mg/Kg		09/14/21 09:00	09/14/21 12:05	1
Toluene	**0.0604**		0.00200		mg/Kg		09/14/21 09:00	09/14/21 12:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/21 09:00	09/14/21 12:05	1
m-Xylene & p-Xylene	**0.0131**		0.00400		mg/Kg		09/14/21 09:00	09/14/21 12:05	1
o-Xylene	**0.125**		0.00200		mg/Kg		09/14/21 09:00	09/14/21 12:05	1
Xylenes, Total	**0.138**		0.00400		mg/Kg		09/14/21 09:00	09/14/21 12:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*6*	*S1-*	*70 - 130*	*09/14/21 09:00*	*09/14/21 12:05*	*1*
1,4-Difluorobenzene (Surr)	*1137*	*S1+*	*70 - 130*	*09/14/21 09:00*	*09/14/21 12:05*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/14/21 08:40	09/14/21 11:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/14/21 08:40	09/14/21 11:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/14/21 08:40	09/14/21 11:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*09/14/21 08:40*	*09/14/21 11:37*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*09/14/21 08:40*	*09/14/21 11:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**176**		5.00		mg/Kg			09/14/21 16:11	1

Client Sample ID: FS-6 (3')

Lab Sample ID: 880-6052-2
Matrix: Solid
Date Collected: 09/13/21 00:00
Date Received: 09/13/21 17:07
Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/14/21 09:00	09/14/21 12:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/14/21 09:00	09/14/21 12:26	1
Ethylbenzene	**0.00910**		0.00201		mg/Kg		09/14/21 09:00	09/14/21 12:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/14/21 09:00	09/14/21 12:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/14/21 09:00	09/14/21 12:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/14/21 09:00	09/14/21 12:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*09/14/21 09:00*	*09/14/21 12:26*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*09/14/21 09:00*	*09/14/21 12:26*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/14/21 08:40	09/14/21 12:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/14/21 08:40	09/14/21 12:41	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-6052-1
SDG: Lea County, New Mexico

Client Sample ID: FS-6 (3')

Lab Sample ID: 880-6052-2
Matrix: Solid
Date Collected: 09/13/21 00:00
Date Received: 09/13/21 17:07
Sample Depth: 3'

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/21 08:40	09/14/21 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*09/14/21 08:40*	*09/14/21 12:41*	*1*
o-Terphenyl	*130*		*70 - 130*	*09/14/21 08:40*	*09/14/21 12:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**266**		4.98		mg/Kg			09/14/21 16:28	1

Client Sample ID: FS-7 (4')

Lab Sample ID: 880-6052-3
Matrix: Solid
Date Collected: 09/13/21 00:00
Date Received: 09/13/21 17:07
Sample Depth: 4'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/14/21 09:00	09/14/21 12:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/14/21 09:00	09/14/21 12:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/14/21 09:00	09/14/21 12:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/14/21 09:00	09/14/21 12:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/14/21 09:00	09/14/21 12:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/14/21 09:00	09/14/21 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*09/14/21 09:00*	*09/14/21 12:47*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*09/14/21 09:00*	*09/14/21 12:47*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/14/21 08:40	09/14/21 13:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/14/21 08:40	09/14/21 13:02	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/21 08:40	09/14/21 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*09/14/21 08:40*	*09/14/21 13:02*	*1*
o-Terphenyl	*123*		*70 - 130*	*09/14/21 08:40*	*09/14/21 13:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**286**		4.95		mg/Kg			09/14/21 16:34	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-6052-1
SDG: Lea County, New Mexico

Client Sample ID: FS-10 (5')

Date Collected: 09/13/21 00:00
Date Received: 09/13/21 17:07
Sample Depth: 5'

Lab Sample ID: 880-6052-4

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00281**		0.00201		mg/Kg		09/14/21 09:00	09/14/21 13:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/14/21 09:00	09/14/21 13:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/14/21 09:00	09/14/21 13:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/14/21 09:00	09/14/21 13:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/14/21 09:00	09/14/21 13:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/14/21 09:00	09/14/21 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*09/14/21 09:00*	*09/14/21 13:08*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*09/14/21 09:00*	*09/14/21 13:08*	*1*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/14/21 08:40	09/14/21 13:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/14/21 08:40	09/14/21 13:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/21 08:40	09/14/21 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*09/14/21 08:40*	*09/14/21 13:24*	*1*
o-Terphenyl	*121*		*70 - 130*	*09/14/21 08:40*	*09/14/21 13:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**68.3**		4.95		mg/Kg			09/14/21 16:39	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-6052-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-6047-A-1-A MS	Matrix Spike	119	89
880-6047-A-1-B MSD	Matrix Spike Duplicate	177 S1+	80
880-6052-1	FS-4 (3')	6 S1-	1137 S1+
880-6052-2	FS-6 (3')	96	93
880-6052-3	FS-7 (4')	103	109
880-6052-4	FS-10 (5')	80	90
LCS 880-7836/1-A	Lab Control Sample	122	84
LCSD 880-7836/2-A	Lab Control Sample Dup	113	90
MB 880-7801/5-A	Method Blank	126	98
MB 880-7836/5-A	Method Blank	125	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-6052-1	FS-4 (3')	126	132 S1+
880-6052-1 MS	FS-4 (3')	105	99
880-6052-1 MSD	FS-4 (3')	105	100
880-6052-2	FS-6 (3')	123	130
880-6052-3	FS-7 (4')	116	123
880-6052-4	FS-10 (5')	113	121
LCS 880-7855/2-A	Lab Control Sample	103	99
LCSD 880-7855/3-A	Lab Control Sample Dup	103	100
MB 880-7855/1-A	Method Blank	110	119

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-6052-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-7801/5-A
Matrix: Solid
Analysis Batch: 7815

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7801

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/13/21 10:16	09/13/21 16:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/13/21 10:16	09/13/21 16:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/13/21 10:16	09/13/21 16:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/13/21 10:16	09/13/21 16:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/13/21 10:16	09/13/21 16:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/13/21 10:16	09/13/21 16:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*09/13/21 10:16*	*09/13/21 16:45*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*09/13/21 10:16*	*09/13/21 16:45*	*1*

Lab Sample ID: MB 880-7836/5-A
Matrix: Solid
Analysis Batch: 7815

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7836

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/13/21 16:00	09/14/21 03:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/13/21 16:00	09/14/21 03:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/13/21 16:00	09/14/21 03:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/13/21 16:00	09/14/21 03:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/13/21 16:00	09/14/21 03:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/13/21 16:00	09/14/21 03:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*09/13/21 16:00*	*09/14/21 03:41*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*09/13/21 16:00*	*09/14/21 03:41*	*1*

Lab Sample ID: LCS 880-7836/1-A
Matrix: Solid
Analysis Batch: 7815

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 7836

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08762		mg/Kg		88	70 - 130		
Toluene			0.100	0.1026		mg/Kg		103	70 - 130		
Ethylbenzene			0.100	0.1087		mg/Kg		109	70 - 130		
m-Xylene & p-Xylene			0.200	0.1992		mg/Kg		100	70 - 130		
o-Xylene			0.100	0.09707		mg/Kg		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*

Lab Sample ID: LCSD 880-7836/2-A
Matrix: Solid
Analysis Batch: 7815

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7836

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08024		mg/Kg		80	70 - 130	9	35

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-6052-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-7836/2-A
Matrix: Solid
Analysis Batch: 7815

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7836

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			0.100	0.09943		mg/Kg		99	70 - 130	3	35
Ethylbenzene			0.100	0.1019		mg/Kg		102	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.1990		mg/Kg		100	70 - 130	0	35
o-Xylene			0.100	0.09178		mg/Kg		92	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: 880-6047-A-1-A MS
Matrix: Solid
Analysis Batch: 7815

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 7836

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F1	0.0990	0.02858	F1	mg/Kg		29	70 - 130
Toluene	<0.00200	U F2 F1	0.0990	0.04647	F1	mg/Kg		47	70 - 130
Ethylbenzene	<0.00200	U F2 F1	0.0990	0.04278	F1	mg/Kg		43	70 - 130
m-Xylene & p-Xylene	<0.00400	U F2 F1	0.198	0.08167	F1	mg/Kg		41	70 - 130
o-Xylene	<0.00200	U F2 F1	0.0990	0.04048	F1	mg/Kg		41	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: 880-6047-A-1-B MSD
Matrix: Solid
Analysis Batch: 7815

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 7836

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.0998	0.04031	F1	mg/Kg		40	70 - 130	34	35
Toluene	<0.00200	U F2 F1	0.0998	0.09007	F2	mg/Kg		90	70 - 130	64	35
Ethylbenzene	<0.00200	U F2 F1	0.0998	0.09953	F2	mg/Kg		100	70 - 130	80	35
m-Xylene & p-Xylene	<0.00400	U F2 F1	0.200	0.2007	F2	mg/Kg		101	70 - 130	84	35
o-Xylene	<0.00200	U F2 F1	0.0998	0.08753	F2	mg/Kg		88	70 - 130	74	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*177*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-7855/1-A
Matrix: Solid
Analysis Batch: 7858

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7855

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/14/21 08:40	09/14/21 10:34	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-6052-1
SDG: Lea County, New Mexico

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-7855/1-A
Matrix: Solid
Analysis Batch: 7858

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 7855

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/14/21 08:40	09/14/21 10:34	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/21 08:40	09/14/21 10:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*09/14/21 08:40*	*09/14/21 10:34*	*1*
o-Terphenyl	*119*		*70 - 130*	*09/14/21 08:40*	*09/14/21 10:34*	*1*

Lab Sample ID: LCS 880-7855/2-A
Matrix: Solid
Analysis Batch: 7858

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 7855

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	876.5		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	856.9		mg/Kg		86	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

Lab Sample ID: LCSD 880-7855/3-A
Matrix: Solid
Analysis Batch: 7858

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7855

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	810.7		mg/Kg		81	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	760.2		mg/Kg		76	70 - 130	12	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*100*		*70 - 130*

Lab Sample ID: 880-6052-1 MS
Matrix: Solid
Analysis Batch: 7858

Client Sample ID: FS-4 (3')
Prep Type: Total/NA
Prep Batch: 7855

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	927.2		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	997	878.8		mg/Kg		84	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-6052-1
SDG: Lea County, New Mexico

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-6052-1 MSD — **Client Sample ID: FS-4 (3')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 7858 — **Prep Batch: 7855**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	914.4		mg/Kg		87	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	886.8		mg/Kg		84	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*100*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-7862/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 7887

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/14/21 15:54	1

Lab Sample ID: LCS 880-7862/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 7887

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	255.7		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-7862/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 7887

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	255.9		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-6052-1 MS — **Client Sample ID: FS-4 (3')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 7887

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	176		250	418.8		mg/Kg		97	90 - 110

Lab Sample ID: 880-6052-1 MSD — **Client Sample ID: FS-4 (3')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 7887

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	176		250	419.0		mg/Kg		97	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-6052-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 7801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-7801/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 7815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6052-1	FS-4 (3')	Total/NA	Solid	8021B	7836
880-6052-2	FS-6 (3')	Total/NA	Solid	8021B	7836
880-6052-3	FS-7 (4')	Total/NA	Solid	8021B	7836
880-6052-4	FS-10 (5')	Total/NA	Solid	8021B	7836
MB 880-7801/5-A	Method Blank	Total/NA	Solid	8021B	7801
MB 880-7836/5-A	Method Blank	Total/NA	Solid	8021B	7836
LCS 880-7836/1-A	Lab Control Sample	Total/NA	Solid	8021B	7836
LCSD 880-7836/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	7836
880-6047-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	7836
880-6047-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	7836

Prep Batch: 7836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6052-1	FS-4 (3')	Total/NA	Solid	5035	
880-6052-2	FS-6 (3')	Total/NA	Solid	5035	
880-6052-3	FS-7 (4')	Total/NA	Solid	5035	
880-6052-4	FS-10 (5')	Total/NA	Solid	5035	
MB 880-7836/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-7836/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-7836/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-6047-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-6047-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 7855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6052-1	FS-4 (3')	Total/NA	Solid	8015NM Prep	
880-6052-2	FS-6 (3')	Total/NA	Solid	8015NM Prep	
880-6052-3	FS-7 (4')	Total/NA	Solid	8015NM Prep	
880-6052-4	FS-10 (5')	Total/NA	Solid	8015NM Prep	
MB 880-7855/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-7855/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-7855/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-6052-1 MS	FS-4 (3')	Total/NA	Solid	8015NM Prep	
880-6052-1 MSD	FS-4 (3')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 7858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6052-1	FS-4 (3')	Total/NA	Solid	8015B NM	7855
880-6052-2	FS-6 (3')	Total/NA	Solid	8015B NM	7855
880-6052-3	FS-7 (4')	Total/NA	Solid	8015B NM	7855
880-6052-4	FS-10 (5')	Total/NA	Solid	8015B NM	7855
MB 880-7855/1-A	Method Blank	Total/NA	Solid	8015B NM	7855
LCS 880-7855/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	7855
LCSD 880-7855/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	7855
880-6052-1 MS	FS-4 (3')	Total/NA	Solid	8015B NM	7855

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-6052-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 7858 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6052-1 MSD	FS-4 (3')	Total/NA	Solid	8015B NM	7855

HPLC/IC

Leach Batch: 7862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6052-1	FS-4 (3')	Soluble	Solid	DI Leach	
880-6052-2	FS-6 (3')	Soluble	Solid	DI Leach	
880-6052-3	FS-7 (4')	Soluble	Solid	DI Leach	
880-6052-4	FS-10 (5')	Soluble	Solid	DI Leach	
MB 880-7862/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-7862/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7862/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-6052-1 MS	FS-4 (3')	Soluble	Solid	DI Leach	
880-6052-1 MSD	FS-4 (3')	Soluble	Solid	DI Leach	

Analysis Batch: 7887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-6052-1	FS-4 (3')	Soluble	Solid	300.0	7862
880-6052-2	FS-6 (3')	Soluble	Solid	300.0	7862
880-6052-3	FS-7 (4')	Soluble	Solid	300.0	7862
880-6052-4	FS-10 (5')	Soluble	Solid	300.0	7862
MB 880-7862/1-A	Method Blank	Soluble	Solid	300.0	7862
LCS 880-7862/2-A	Lab Control Sample	Soluble	Solid	300.0	7862
LCSD 880-7862/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7862
880-6052-1 MS	FS-4 (3')	Soluble	Solid	300.0	7862
880-6052-1 MSD	FS-4 (3')	Soluble	Solid	300.0	7862

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-6052-1
SDG: Lea County, New Mexico

Client Sample ID: FS-4 (3')

Lab Sample ID: 880-6052-1
Matrix: Solid
Date Collected: 09/13/21 00:00
Date Received: 09/13/21 17:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	7836	09/14/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7815	09/14/21 12:05	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7855	09/14/21 08:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7858	09/14/21 11:37	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7862	09/14/21 09:34	CH	XEN MID
Soluble	Analysis	300.0		1			7887	09/14/21 16:11	CH	XEN MID

Client Sample ID: FS-6 (3')

Lab Sample ID: 880-6052-2
Matrix: Solid
Date Collected: 09/13/21 00:00
Date Received: 09/13/21 17:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	7836	09/14/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7815	09/14/21 12:26	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	7855	09/14/21 08:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7858	09/14/21 12:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	7862	09/14/21 09:34	CH	XEN MID
Soluble	Analysis	300.0		1			7887	09/14/21 16:28	CH	XEN MID

Client Sample ID: FS-7 (4')

Lab Sample ID: 880-6052-3
Matrix: Solid
Date Collected: 09/13/21 00:00
Date Received: 09/13/21 17:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	7836	09/14/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7815	09/14/21 12:47	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7855	09/14/21 08:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7858	09/14/21 13:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7862	09/14/21 09:34	CH	XEN MID
Soluble	Analysis	300.0		1			7887	09/14/21 16:34	CH	XEN MID

Client Sample ID: FS-10 (5')

Lab Sample ID: 880-6052-4
Matrix: Solid
Date Collected: 09/13/21 00:00
Date Received: 09/13/21 17:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	7836	09/14/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7815	09/14/21 13:08	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7855	09/14/21 08:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7858	09/14/21 13:24	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7862	09/14/21 09:34	CH	XEN MID
Soluble	Analysis	300.0		1			7887	09/14/21 16:39	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Tetra Tech, Inc. Job ID: 880-6052-1
Project/Site: EVGSAU 2717-006 SDG: Lea County, New Mexico

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

Method Summary

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-6052-1
SDG: Lea County, New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: EVGSAU 2717-006

Job ID: 880-6052-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-6052-1	FS-4 (3')	Solid	09/13/21 00:00	09/13/21 17:07	3'
880-6052-2	FS-6 (3')	Solid	09/13/21 00:00	09/13/21 17:07	3'
880-6052-3	FS-7 (4')	Solid	09/13/21 00:00	09/13/21 17:07	4'
880-6052-4	FS-10 (5')	Solid	09/13/21 00:00	09/13/21 17:07	5'

Analysis Request of Chain of Custody Record

Page 01 of 01

9/14/2021

6052

Tetra Tech, Inc.

901 West Wall Street, Suite 100 Midlar
Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name	ConocoPhillips	**Site Manager**	Joe Tyler
Project Name	EUGSAU 2719-006	**Contact Info**	Email joe.tyler@tetratech.com Phone (432) 210 6952
Project Location (County, State)	Lea County, New Mexico	**Project #**	212C-MD-02377
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland Texas 79701		
Receiving Laboratory	Xenco	**Sampler Signature**	Joe Tyler
Comments			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR 2021 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8260B / 624	GC/MS Semi Vol 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300 0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	
	FS - 4 (3')	9-13-21			X			X		01	N	X		X												X					
	FS - 6 (3')	↓			↓			↓		↓	↓	↓		↓												↓					
	FS - 7 (4')																														
	FS - 10 (5')	↓			↓			↓		↓	↓	↓		↓												↓					

Relinquished by	Date	Time	Received by	Date	Time
Joe Tyler	9-13-21		KEM	9/13/21	1707
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by	Date	Time

ORIGINAL COPY

LAB USE ONLY

Sample Temperature 20.0/20.5

REMARKS

- ☐ Standard
- ☒ RUSH: Same Day ~~24 hr~~ 48 hr 72 hr — Endday 9-14-21 5:36
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

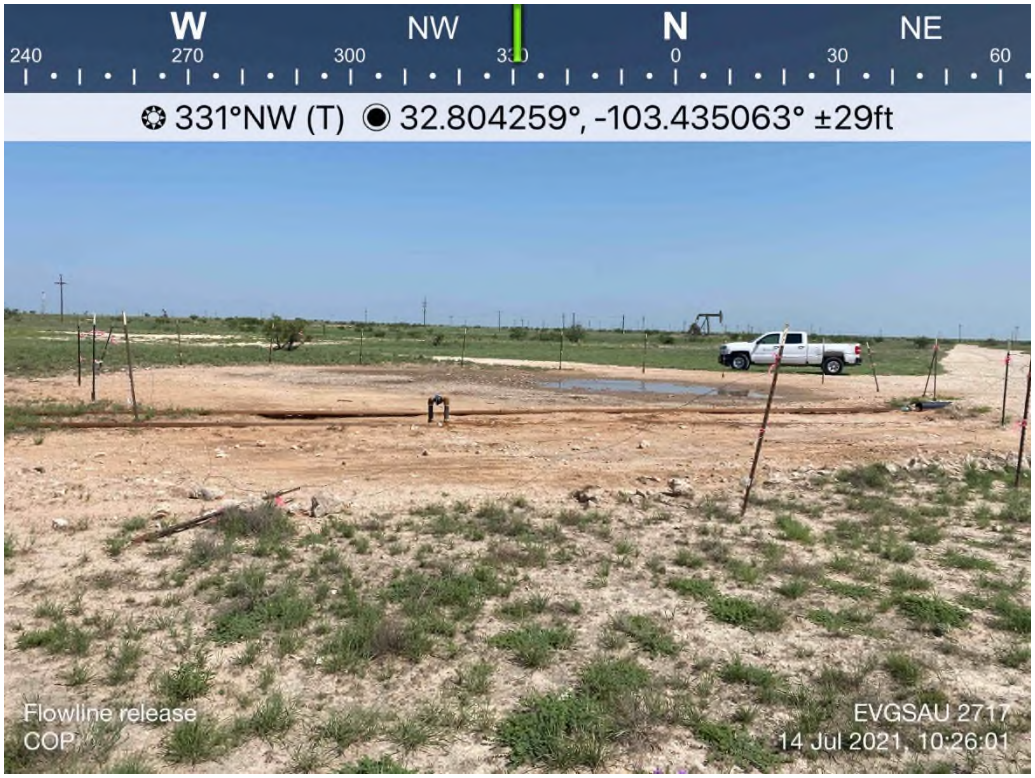
Job Number: 880-6052-1
SDG Number: Lea County, New Mexico

Login Number: 6052
List Number: 1
Creator: Phillips, Kerianna

List Source: Eurofins Xenco, Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	No times on COC, logged in per container labels.
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

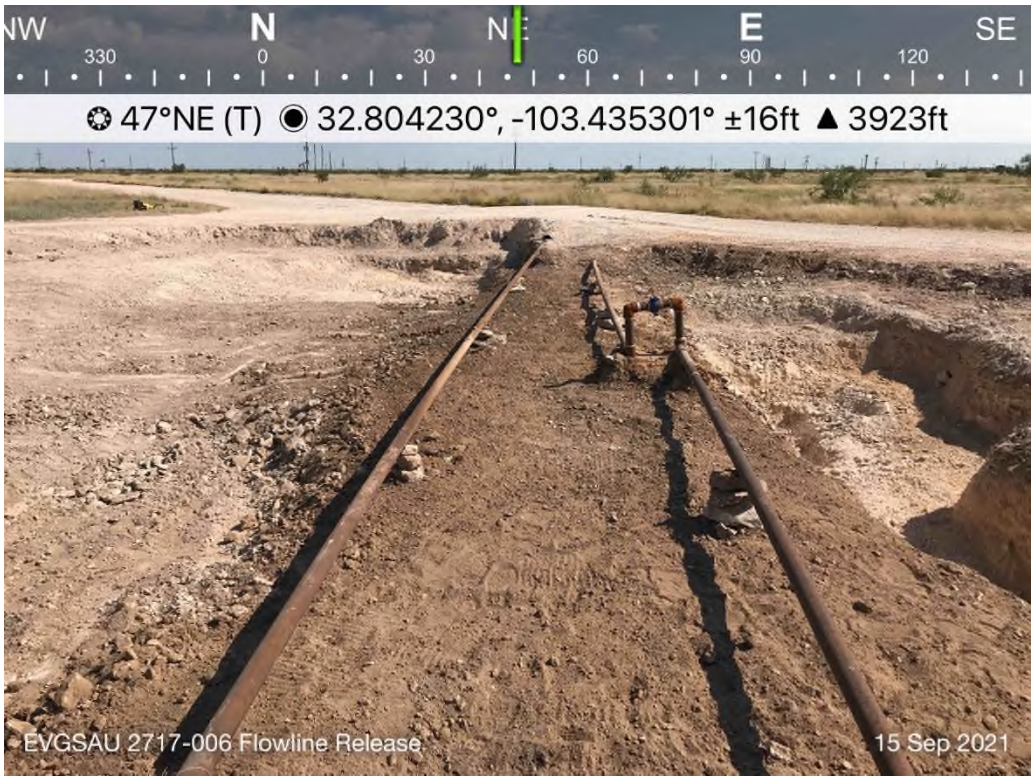
APPENDIX D
Photographic Documentation



TETRA TECH, INC. PROJECT NO. 212C-MD-02377	DESCRIPTION	View of the release area near the source flowline.	1
	SITE NAME	ConocoPhillips EVGSAU 2717-006 Flowline Release	7/14/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02377	DESCRIPTION	View of the release area near the source flowline.	2
	SITE NAME	ConocoPhillips EVGSAU 2717-006 Flowline Release	7/14/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02377	DESCRIPTION	View of central area of the EVGSAU 2717-006 release excavation area.	3
	SITE NAME	ConocoPhillips EVGSAU 2717-006 Flowline Release	9/15/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02377	DESCRIPTION	View northeast over the EVGSAU 2717-006 release hand dig excavation area.	4
	SITE NAME	ConocoPhillips EVGSAU 2717-006 Flowline Release	9/15/2021

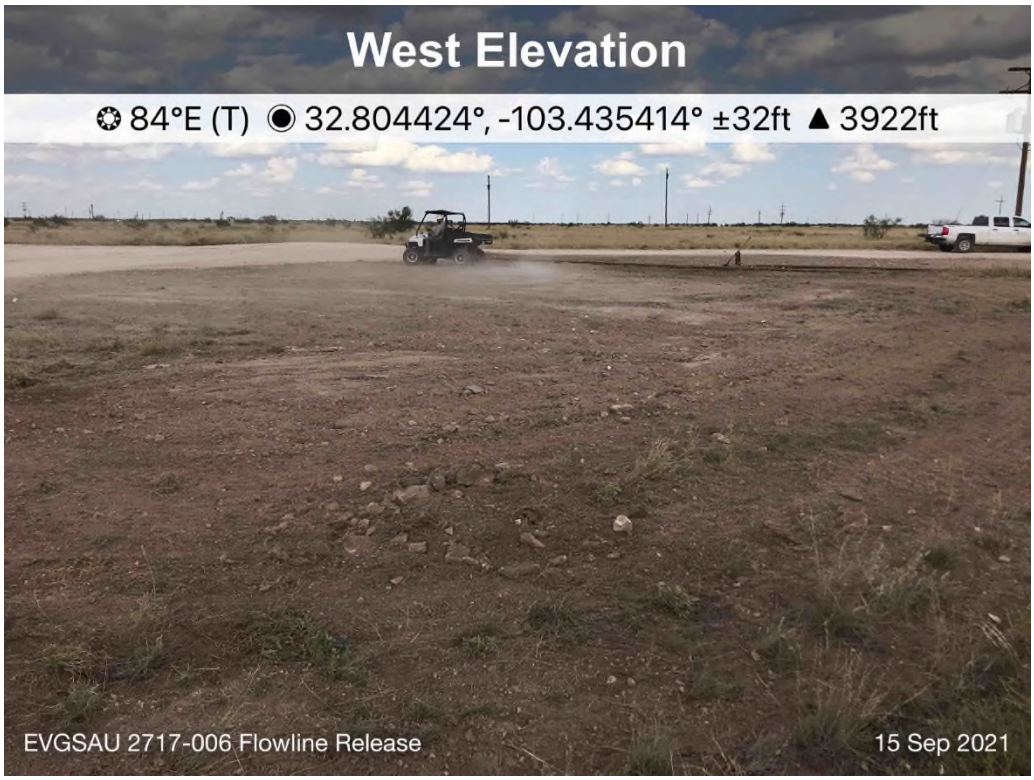
TETRA TECH, INC. PROJECT NO. 212C-MD-02377	DESCRIPTION	View southwest over the EVGSAU 2717-006 release hand dig excavation area.	5
	SITE NAME	ConocoPhillips EVGSAU 2717-006 Flowline Release	9/15/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02377	DESCRIPTION	View east over the EVGSAU 2717-006 release excavation area.	6
	SITE NAME	ConocoPhillips EVGSAU 2717-006 Flowline Release	9/15/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02377	DESCRIPTION	View over the EVGSAU 2717-006 release excavation area.	7
	SITE NAME	ConocoPhillips EVGSAU 2717-006 Flowline Release	9/15/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02377	DESCRIPTION	View over the EVGSAU 2717-006 release hand dig excavation area.	8
	SITE NAME	ConocoPhillips EVGSAU 2717-006 Flowline Release	9/15/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02377	DESCRIPTION	View of the EVGSAU 2717-006 release excavation area backfilled and being seeded	9
	SITE NAME	ConocoPhillips EVGSAU 2717-006 Flowline Release	9/15/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02377	DESCRIPTION	View of the EVGSAU 2717-006 release excavation area backfilled and being seeded	10
	SITE NAME	ConocoPhillips EVGSAU 2717-006 Flowline Release	9/15/2021

APPENDIX E
Waste Manifests

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	KELSEY WAGGAMEN
AFE #:	
PO #:	
Manifest #:	1
Manif. Date:	8/31/2021
Hauler:	MCNABB PARTNERS
Driver	JESSE
Truck #	M82
Card #	
Job Ref #	

Ticket #:	700-1233805
Bid #:	O6UJ9A000HH0
Date:	8/31/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	20835L
Well Name:	EVSGAU 2717-006
Well #:	FLOWLINE RELEASE
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	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 **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1233839
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	ANDREW GARCIA	Date:	8/31/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	02	Well Ser. #:	20835L
Manif. Date:	8/31/2021	Well Name:	EVSGAU 2717-006
Hauler:	MCNABB PARTNERS	Well #:	FLOWLINE RELEASE
Driver	JESSE	Field:	
Truck #	M-82	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	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 **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1234026
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	KELSEY WAGGAMAN/ANDREV	Date:	9/1/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	03	Well Ser. #:	20835L
Manif. Date:	9/1/2021	Well Name:	EVSGAU 2717-006
Hauler:	MCNABB PARTNERS	Well #:	FLOWLINE RELEASE
Driver	JESUS	Field:	
Truck #	M33	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	14.00 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 **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1234047
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	ANDREW GARCIA / KELSEY W	Date:	9/1/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	04	Well Ser. #:	20835L
Manif. Date:	9/1/2021	Well Name:	EVSGAU 2717-006
Hauler:	MCNABB PARTNERS	Well #:	FLOWLINE RELEASE
Driver	JESUS	Field:	
Truck #	M33	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	14.00 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 **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1234087
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	ANDREW GARCIA/ KELSEY W/	Date:	9/1/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	05	Well Ser. #:	20835L
Manif. Date:	9/1/2021	Well Name:	EVSGAU 2717-006
Hauler:	MCNABB PARTNERS	Well #:	FLOWLINE RELEASE
Driver	JESUS	Field:	
Truck #	M33	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	14.00 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 **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1234122
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	ANDREW GARCIA	Date:	9/1/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	06	Well Ser. #:	20835L
Manif. Date:	9/1/2021	Well Name:	EVSGAU 2717-006
Hauler:	MCNABB PARTNERS	Well #:	FLOWLINE RELEASE
Driver	JESUS	Field:	
Truck #	M33	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	14.00 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 **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	07
Manif. Date:	9/2/2021
Hauler:	MCNABB PARTNERS
Driver	DANIEL
Truck #	M84
Card #	
Job Ref #	

Ticket #:	700-1234283
Bid #:	O6UJ9A000HH0
Date:	9/2/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	20835L
Well Name:	EVSGAU 2717-006
Well #:	FLOWLINE RELEASE
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	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 **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01K2T2

9/2/2021 10:46:09AM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JOHN THURSTON
AFE #:	
PO #:	
Manifest #:	08
Manif. Date:	9/2/2021
Hauler:	MCNABB PARTNERS
Driver	ACIE
Truck #	M83
Card #	
Job Ref #	

Ticket #:	700-1234282
Bid #:	O6UJ9A000HH0
Date:	9/2/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	20835L
Well Name:	EVSGAU 2717-006
Well #:	FLOWLINE RELEASE
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	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 **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01K2T1

9/2/2021 10:44:02AM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	ANDREW GARCIA
AFE #:	
PO #:	
Manifest #:	09
Manif. Date:	9/2/2021
Hauler:	MCNABB PARTNERS
Driver	ACIE
Truck #	M83
Card #	
Job Ref #	

Ticket #:	700-1234323
Bid #:	O6UJ9A000HH0
Date:	9/2/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	20835L
Well Name:	EVSGAU 2717-006
Well #:	FLOWLINE RELEASE
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	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 **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01K2VU

9/2/2021 12:57:35PM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1234349
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	ANDREW GARCIA	Date:	9/2/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	10	Well Ser. #:	20835L
Manif. Date:	9/2/2021	Well Name:	EVSGAU 2717-006
Hauler:	MCNABB PARTNERS	Well #:	FLOWLINE RELEASE
Driver	DANIEL	Field:	
Truck #	M84	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	16.00 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 **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	ANDREW GARCIA
AFE #:	
PO #:	
Manifest #:	11
Manif. Date:	9/2/2021
Hauler:	MCNABB PARTNERS
Driver	ACIE
Truck #	M83
Card #	
Job Ref #	

Ticket #:	700-1234360
Bid #:	O6UJ9A000HH0
Date:	9/2/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	20835L
Well Name:	EVSGAU 2717-006
Well #:	FLOWLINE RELEASE
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	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 _____

R360 Representative Signature _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	ANDREW GARCIA
AFE #:	
PO #:	
Manifest #:	12
Manif. Date:	9/3/2021
Hauler:	MCNABB PARTNERS
Driver	JOSH
Truck #	M75
Card #	
Job Ref #	

Ticket #:	700-1234511
Bid #:	O6UJ9A000HH0
Date:	9/3/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	20835L
Well Name:	EVSGAU 2717-006
Well #:	FLOWLINE RELEASE
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	16.00 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 **R360 Representative Signature**

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	ANDREW GARCIA
AFE #:	
PO #:	
Manifest #:	13
Manif. Date:	9/3/2021
Hauler:	MCNABB PARTNERS
Driver	JOSH
Truck #	M75
Card #	
Job Ref #	

Ticket #:	700-1234534
Bid #:	O6UJ9A000HH0
Date:	9/3/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	20835L
Well Name:	EVSGAU 2717-006
Well #:	FLOWLINE RELEASE
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	16.00 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 _____

R360 Representative Signature _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01K3BF

9/3/2021 11:07:13AM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	ANDREW GARCIA
AFE #:	
PO #:	
Manifest #:	14
Manif. Date:	9/3/2021
Hauler:	MCNABB PARTNERS
Driver	JOSH
Truck #	M75
Card #	
Job Ref #	

Ticket #:	700-1234580
Bid #:	O6UJ9A000HH0
Date:	9/3/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	20835L
Well Name:	EVSGAU 2717-006
Well #:	FLOWLINE RELEASE
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	16.00 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 **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01K3EA 9/3/2021 1:15:20PM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	ANDREW GARCIA
AFE #:	
PO #:	
Manifest #:	15
Manif. Date:	9/7/2021
Hauler:	MCNABB PARTNERS
Driver	ERNESTO
Truck #	M31
Card #	
Job Ref #	

Ticket #:	700-1235300
Bid #:	O6UJ9A000HH0
Date:	9/7/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	20835L
Well Name:	EVSGAU 2717-006
Well #:	FLOWLINE RELEASE
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	13.00 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 **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01K4LN

9/7/2021 9:40:28AM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	ANDREW GARCIA
AFE #:	
PO #:	
Manifest #:	16
Manif. Date:	9/7/2021
Hauler:	MCNABB PARTNERS
Driver	ERNESTO
Truck #	M31
Card #	
Job Ref #	

Ticket #:	700-1235320
Bid #:	O6UJ9A000HH0
Date:	9/7/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	20835L
Well Name:	EVSGAU 2717-006
Well #:	FLOWLINE RELEASE
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	13.00 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 **R360 Representative Signature**

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01K4NJ

9/7/2021 11:56:29AM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	ANDREW GARCIA
AFE #:	
PO #:	
Manifest #:	17
Manif. Date:	9/7/2021
Hauler:	MCNABB PARTNERS
Driver	ERNESTO
Truck #	M31
Card #	
Job Ref #	

Ticket #:	700-1235350
Bid #:	O6UJ9A000HH0
Date:	9/7/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	20835L
Well Name:	EVSGAU 2717-006
Well #:	FLOWLINE RELEASE
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	13.00 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 **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01K4RM 9/7/2021 2:19:00PM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	ANDREW GARCIA
AFE #:	
PO #:	
Manifest #:	18
Manif. Date:	9/8/2021
Hauler:	MCNABB PARTNERS
Driver	ERNESTO
Truck #	M31
Card #	
Job Ref #	

Ticket #:	700-1235519
Bid #:	O6UJ9A000HH0
Date:	9/8/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	20835L
Well Name:	EVSGAU 2717-006
Well #:	FLOWLINE RELEASE
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	15.00 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 **R360 Representative Signature**

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1235494
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	ANDREW GARCIA	Date:	9/8/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	19	Well Ser. #:	20835L
Manif. Date:	9/8/2021	Well Name:	EVSGAU 2717-006
Hauler:	MCNABB PARTNERS	Well #:	FLOWLINE RELEASE
Driver	ERNESTO	Field:	
Truck #	M31	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	15.00 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 **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01K54S

9/8/2021 9:13:55AM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	ANDREW GARCIA
AFE #:	
PO #:	
Manifest #:	20
Manif. Date:	9/8/2021
Hauler:	MCNABB PARTNERS
Driver	ERNESTO
Truck #	M31
Card #	
Job Ref #	

Ticket #:	700-1235570
Bid #:	O6UJ9A000HH0
Date:	9/8/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	20835L
Well Name:	EVSGAU 2717-006
Well #:	FLOWLINE RELEASE
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	15.00 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 **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01K5BI 9/8/2021 2:23:42PM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1235734
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	ANDREW GARCIA	Date:	9/9/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	21	Well Ser. #:	20835L
Manif. Date:	9/9/2021	Well Name:	EVSGAU 2717-006
Hauler:	MCNABB PARTNERS	Well #:	FLOWLINE RELEASE
Driver	JESUS	Field:	
Truck #	M33	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	15.00 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 **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1235755
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	ANDREW GARCIA	Date:	9/9/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	22	Well Ser. #:	20835L
Manif. Date:	9/9/2021	Well Name:	EVSGAU 2717-006
Hauler:	MCNABB PARTNERS	Well #:	FLOWLINE RELEASE
Driver	JESUS	Field:	
Truck #	M33	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	15.00 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:

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__ 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: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1235791
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	ANDREW GARCIA	Date:	9/9/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	23	Well Ser. #:	20835L
Manif. Date:	9/9/2021	Well Name:	EVSGAU 2717-006
Hauler:	MCNABB PARTNERS	Well #:	FLOWLINE RELEASE
Driver	JESUS	Field:	
Truck #	M33	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	6.00 yards

Generator Certification Statement of Waste Status

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

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Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	ANDREW GARCIA
AFE #:	
PO #:	
Manifest #:	24
Manif. Date:	9/9/2021
Hauler:	MCNABB PARTNERS
Driver	DANIEL
Truck #	84
Card #	
Job Ref #	

Ticket #:	700-1235821
Bid #:	O6UJ9A000HH0
Date:	9/9/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	20835L
Well Name:	EVSGAU 2717-006
Well #:	FLOWLINE RELEASE
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	10.00 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:

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__ 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: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1235824
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	ANDREW GARCIA	Date:	9/9/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	25	Well Ser. #:	20835L
Manif. Date:	9/9/2021	Well Name:	EVSGAU 2717-006
Hauler:	MCNABB PARTNERS	Well #:	FLOWLINE RELEASE
Driver	JESUS	Field:	
Truck #	M33	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	6.00 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:

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

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Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	ANDREW GARCIA
AFE #:	
PO #:	
Manifest #:	26
Manif. Date:	9/9/2021
Hauler:	MCNABB PARTNERS
Driver	JOE
Truck #	M81
Card #	
Job Ref #	

Ticket #:	700-1235836
Bid #:	O6UJ9A000HH0
Date:	9/9/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	20835L
Well Name:	EVSGAU 2717-006
Well #:	FLOWLINE RELEASE
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	10.00 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:

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__ 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: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1237027
Customer #:	CRI2190	Bid #:	O6UJ9A000HH0
Ordered by:	ANDREW GARCIA	Date:	9/15/2021
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	27	Well Ser. #:	20835L
Manif. Date:	9/15/2021	Well Name:	EVSGAU 2717-006
Hauler:	MCNABB PARTNERS	Well #:	FLOWLINE RELEASE
Driver	URIEL	Field:	
Truck #	M80	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	14.00 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:

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__ 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: _____

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9/15/2021 10:53:37AM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	ANDREW GARCIA
AFE #:	
PO #:	
Manifest #:	28
Manif. Date:	9/15/2021
Hauler:	MCNABB PARTNERS
Driver	URIEL
Truck #	M80
Card #	
Job Ref #	

Ticket #:	700-1237074
Bid #:	O6UJ9A000HH0
Date:	9/15/2021
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	20835L
Well Name:	EVSGAU 2717-006
Well #:	FLOWLINE RELEASE
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	14.00 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:

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

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

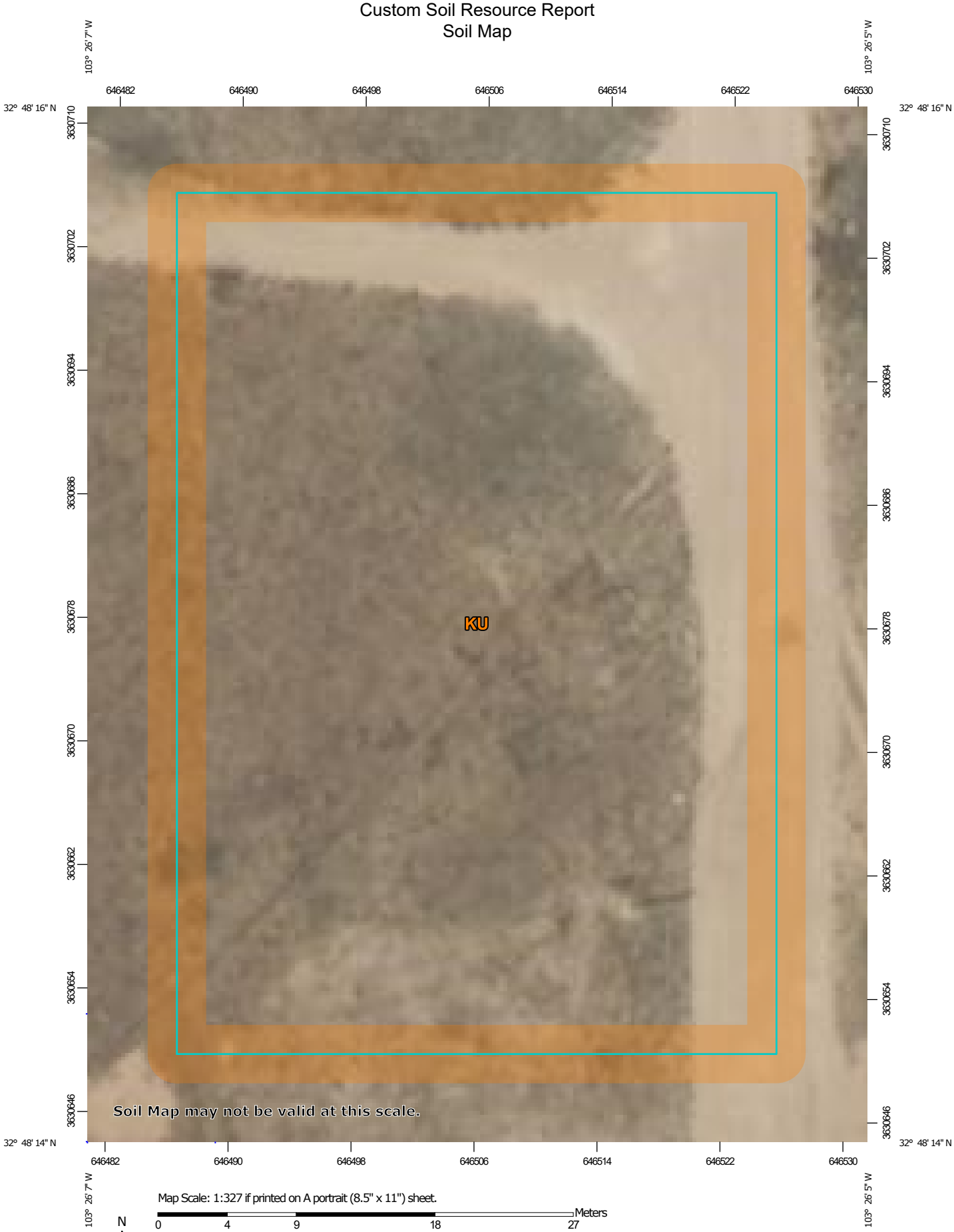
Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

APPENDIX F
NMSLO Seed Mixture

Custom Soil Resource Report
Soil Map



Map Scale: 1:327 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 4 9 18 27

Feet: 0 15 30 60 90

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 17, Jun 8, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KU	Kimbrough-Lea complex, dry, 0 to 3 percent slopes	0.5	100.0%
Totals for Area of Interest		**0.5**	**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: Plains, playa rims
Down-slope shape: Linear, convex
Across-slope shape: Linear, concave
Parent material: Loamy eolian deposits derived from sedimentary rock

Typical profile

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

Properties and qualities

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

Interpretive groups

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

Description of Lea

Setting

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

Typical profile

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

Properties and qualities

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

Interpretive groups

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

Minor Components

Douro

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

Kenhill

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

Spraberry

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

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NMSLO Seed Mix Coarse (CS)

COARSE (CS) SITES SEED MIXTURE:

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
Grasses:			
Sand bluestem	VNS, Southern	2.0	F
Sideoats grama	Vaughn, El Reno	2.0	F
Blue grama	Hachita, Lovington	1.5	D
Little bluestem	Cimmaron, Pastura	1.5	F
Sand dropseed	VNS, Southern	1.0	S
Plains bristlegrass	VNS, Southern	0.75	D
Forbs:			
Parry penstemon	VNS, Southern	1.0	D
Desert globemallow	VNS, Southern	1.0	D
White prairieclover	Kaneb, VNS	0.5	D
Sulfur buckwheat	VNS, Southern	0.5	D
Shrubs:			
Fourwing saltbush	VNS, Southern	1.0	D
Skunkbush sumac	VNS, Southern	1.0	D
Common winterfat	VNS, Southern	1.0	F
Fringed sagewort	VNS, Southern	0.5	F
	Total PLS/acre	**18.25**	

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box

- VNS, Southern – No Variety Stated, seed should be from a southern latitude collection of this species.
- Double above seed rates for broadcast or hydroseeding.
- If Parry is not available, substitute firecracker penstemon.
- If desert globemallow is not available, substitute scarlet globemallow.
- If one species is not available, provide a suggested substitute to the New Mexico Land Office for approval. Increasing all other species proportionately may be acceptable.

APPENDIX G
NMOCD Correspondence

From: Hamlet, Robert, EMNRD
To: "Esparza, Brittany"
Cc: Gonzalez, Jessika L; Waggaman, Kelsy; Bratcher, Mike, EMNRD; Hensley, Chad, EMNRD
Subject: (Extension Approval) EVGSAU 2717-006 (NAPP2115824205) 05-28-2021
Date: Thursday, August 26, 2021 9:09:00 AM

RE: Incident #**NAPP2115824205**

Brittany,

Your request for an extension to **September 28th, 2021** is approved.

Robert Hamlet ● Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/

From: Esparza, Brittany <Brittany.Esparza@conocophillips.com>
Sent: Tuesday, August 24, 2021 9:24 AM
To: EMNRD-OCD-District1spills <EMNRD-OCD-District1spills@state.nm.us>
Cc: Gonzalez, Jessika L <Jessika.L.Gonzalez@conocophillips.com>; Waggaman, Kelsy <Kelsy.Waggaman@conocophillips.com>; Esparza, Brittany <Brittany.Esparza@conocophillips.com>
Subject: (Extension Request #1) EVGSAU 2717-006 (NAPP2115824205) 05-28-2021

To Whom it May Concern,

> Under the new spill rule a Work Plan or Closure Report is due for the above release on August 28, 2021. Conoco Phillips is requesting a one-month extension until September 28, 2021 in order to schedule drilling at the site.
>
> Please let me know if you have any questions or concerns.

Thank you,
Brittany N. Esparza
Brittany N. Esparza | **Environmental Technician, Permian** | **ConocoPhillips**
O: 432-221-0398 | **C**: 432-349-1911 | 3CC-2064 Midland, Texas

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: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 51480
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	10/13/2021