Page 1 of 280

Incident ID NAPP2119556223

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 in	tems must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
✓ Laboratory analyses of final sampling (Note: appropriate ODC)	C District office must be notified 2 days prior to final sampling)
✓ Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of	nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially neditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete.
Printed Name: Todd Wells	Title: Environmental Specialist
Signature: Todd Wells	Date: <u>9/29/21</u>
email: Todd_Wells@eogresources.com	Telephone: (432) 686-3613
OCD Only	
Received by: Chad Hensley	Date:10/15/2021
remediate contamination that poses a threat to groundwater, surface value of compliance with any other federal, state, or local laws and/o	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by:	Date: 10/15/2021
Printed Name: Chad Hensley	Title:Environmental Specialist Advanced

	SI	TE INFORM	IATION			
Repor	t Type: C	losure Rep	ort NAP	P2119556	5223	
General Site Information:						
Site:	Heartthrob R	iser				
Company:	EOG Resour	ces				
Section, Township and Range	Unit D	Sec. 21	T 24S	R 33E		
Lease Number:						
County:	Lea County					
GPS:		32.209515			-103.	.58343
Surface Owner:	State					
Mineral Owner:						
Directions:	From intersection Spill on the left.	on J-2 and NM-128	3, follow NM-1	28 West for 1.16	6 miles. Turi	n left onto lease road,

Release Data:	
Date Released:	6/30/2021
Type Release:	Produced Water
Source of Contamination:	Damaged Valve
Fluid Released:	525 bbl water
Fluids Recovered:	105 bbl water

Official Commun	nication:	
Name:	Todd Wells	Clair Gonzales
Company:	EOG Resources	Tetra Tech
Address:	5509 Champions Dr.	901 W. Wall St.
		Ste 100
City:	Midland, Texas, 79706	Midland, Texas, 79701
Phone number:	(432) 686-3613	(432) 682-4559
Fax:		
Email:	Todd Wells@eogresources.com	clair.gonzales@tetratech.com

Site Characterization	
Depth to Groundwater:	97.37' below ground surface
Karst Potential:	Low

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



September 29, 2021

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

Re: Closure Report for the EOG Resources, Heartthrob Riser, Unit D, Section 21, Township 24 South, Range 33 East, Lea County, New Mexico.

NAPP2119556223

Oil Conservation Division:

Tetra Tech, Inc. (Tetra Tech) was contacted by EOG Resources (EOG) to assess and remediate a release that occurred at the EOG Resources, Heartthrob Riser, Unit D, Section 21, Township 24 South, Range 33 East, Lea County, New Mexico (Site). The site coordinates are 32.209515°, -103.583430°. The site location is shown on Figures 1 and 2.

Background

According to the State of New Mexico C-141 Initial Report, the release was discovered on June 30, 2021, and released approximately 525 barrels of produced water due to a damaged valve at the Heartthrob Riser. Approximately 105 barrels of produced water were recovered. The release occurred at the riser and flowed onto a pasture, impacting an area measuring approximately 1,100' X 115'. The C-141 form is included in Appendix A.

Site Characterization

A site characterization was performed for the site and no lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances. Additionally, the site is located in a low karst potential area. The nearest well is listed on the USGS National Water Information System is in section 17 approximately 0.04 miles from the site, and has a reported depth to groundwater of 97.37' below surface. However, due to the age of this groundwater data dating further than 25 years ago, this groundwater information was not adequate to change site RRALs. Site characterization information is found in Appendix B.

Tetra Tech



Regulatory

A risk-based evaluation was performed for the site following the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases, updated August 14, 2018. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the site characterization, the proposed RRAL for TPH is 100 mg/kg (GRO + DRO + ORO). Additionally, based on the site characterization, the proposed RRAL for chlorides is 600 mg/kg.

Soil Assessment and Analytical Results

On July 29, 2021 and August 17, 2021, Tetra Tech personnel were onsite to evaluate and sample the release area. A total of ten (10) auger holes (AH-1 through AH-10) were installed in the release footprint with depths ranging from surface to 4.5' below surface. Additionally, fourteen (14) horizontals were installed to horizontally delineate the spill footprint. Selected samples were submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 1. The sample locations are shown in Figure 3.

Referring to Table 1, none of the samples reported benzene, total BTEX, or TPH concentrations above the RRALs. However, the areas of auger holes (AH-1 through AH-6) reported chloride concentrations above the 600 mg/kg threshold, with concentrations ranging from 622 mg/kg to 3,530 mg/kg, at depths ranging from surface to 4.5' below surface. Additionally, all horizontal samples and auger holes (AH-7 through AH-10) reported benzene, total BTEX, TPH, and chloride concentrations below the RRALs. However, vertical delineation was not found in the areas of auger holes (AH-1, AH-2, and AH-5).

Remediation and Reclamation Activities

Tetra Tech personnel were onsite September 1, 2021 through September 10, 2021, to supervise the remediation and collect confirmation samples. The impacted areas were excavated to depths ranging from 1.0' below surface and 16.0' below surface, as shown on Figure 4 and Table 2.

Confirmation bottom hole and sidewall samples were collected every 200 square feet, a total of fifty-eight (58) bottom hole samples (BH-14 through BH-71) and fifty-four (54) sidewall samples (SW-1 through SW-38, and SW-40 through SW-55) were collected to ensure proper removal of the impacted soils. The areas of bottom holes (BH-18 through BH-22, BH-24, BH-25, and BH-32) were remediated to a depth of 16.0' below surface. The areas of bottom holes (BH-16, BH-17, and BH-23) were remediated to the depth of 10.0' below surface. The areas of bottom holes (BH-26 through BH-64) to the depth of 6.0' below surface. The areas of bottom holes (BH-26 through BH-31 and BH-65 through BH-71) were remediated to the depth of 4.0' below surface. The areas of bottom holes (BH-33 through BH-53) were remediated to the depth of 3.0' below surface. The areas of bottom holes (BH-14 and BH-15) were remediated to the depth of 1.0' below surface. The samples were submitted to the laboratory to be analyzed for TPH method 8015



modified, BTEX method 8021B, and Chloride by EPA Method 300.0. The sampling results are summarized in Table 2. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The excavation depths, and sample locations are shown in Figure 4.

Due to sampling number changes, bottom holes (BH-1 through BH-13) and sidewall (SW-39) were not collected, sampling number sequence started with bottom hole (BH-14) and continued throughout the remediation. Additionally, although sample sequence is irregular, the remediation was sampled in compliance with the regulatory standards located in Subsection D, Paragraph 1, 19.15.29.12 NMAC.

Referring to Table 2, all final confirmation samples collected showed benzene, total BTEX, TPH, and chloride concentrations below the RRALs.

Approximately 3,575 cubic yards of material was excavated and transported offsite for proper disposal. The areas were then backfilled with clean material to surface grade.

Conclusion

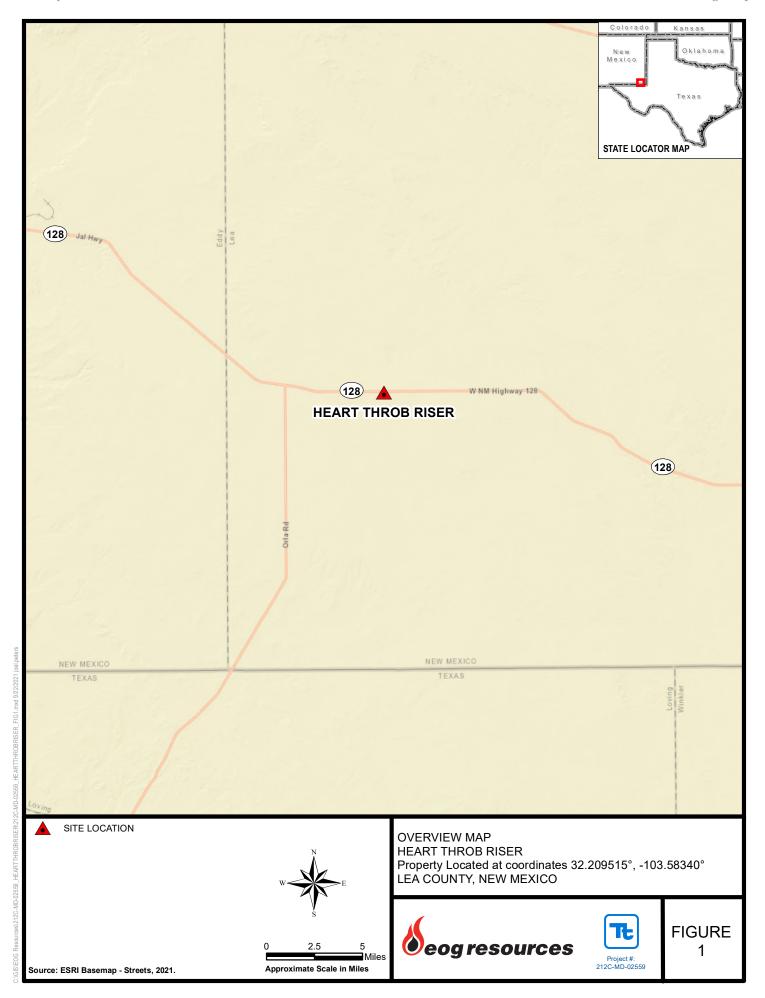
Based on the laboratory results, remediation activities performed, EOG requests closure of this spill issue. The final C-141 is enclosed in Appendix A. If you have any questions or comments concerning the assessment or remediation activities for this site, please call at (432) 682-4559.

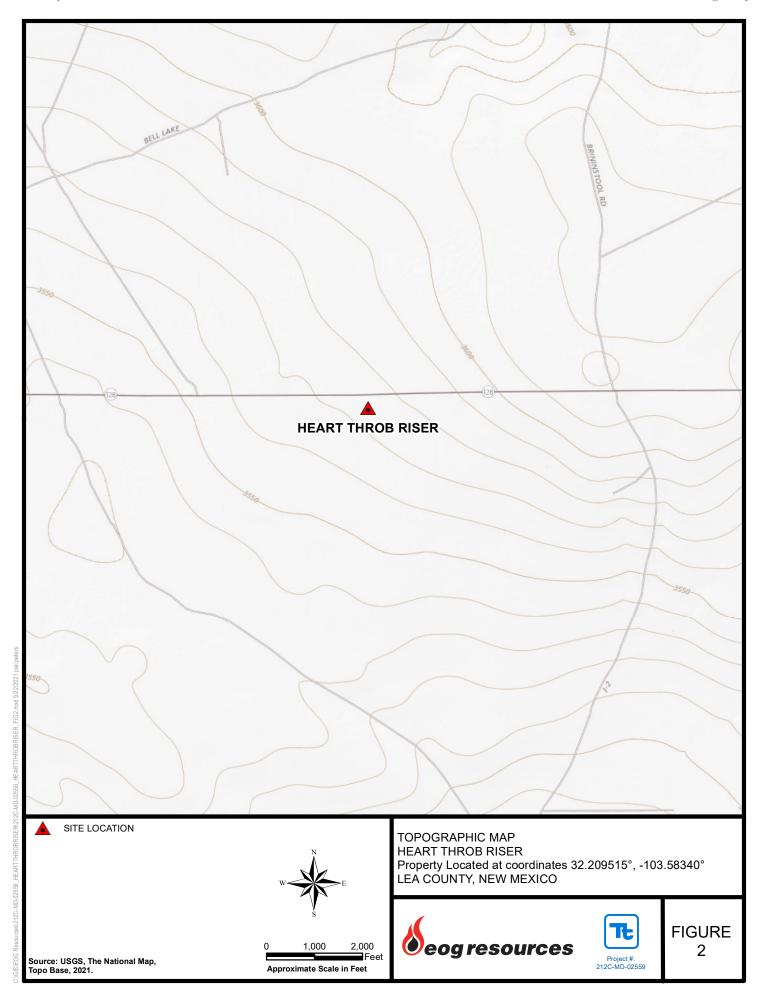
Respectfully submitted, TETRA TECH

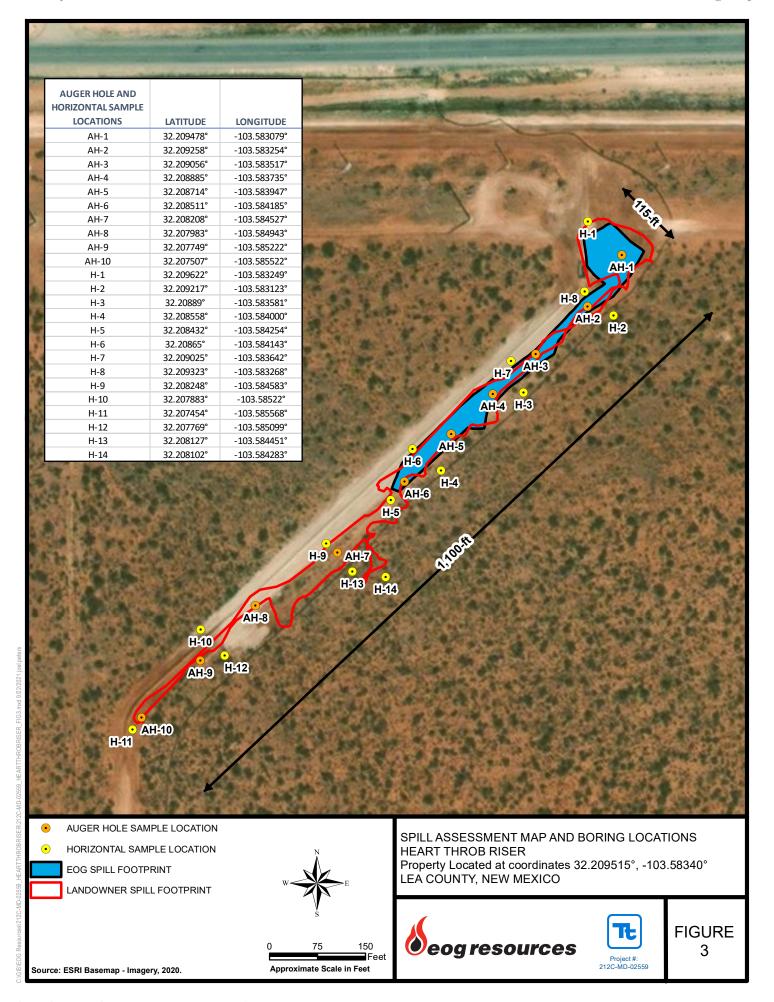
Brittany Long, Project Manager Clair Gonzales, P.G. Senior Project Manager



Figures











Tables

Table 1 EOG Resources Heart Throb Riser Release Lea County, New Mexico

Released to Imaging: 10/15/2021 9:03:08 AM

Sample ID	Sample Date	Excavtion	Soil	Status		TPH (m	ng/kg)		Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride
		Depth (ft)	In-Situ	Removed	GRO	DRO	MRO	Total	3 3,	3 3,	(mg/kg)	, , , , ,	(3 3,	(mg/kg)
AH-1	7/29/2021	0-1	Χ	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	< 0.00403	<0.00403	1400
AU-1	7/29/2021	1.1.5	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	766
AH-2	7/29/2021	0-1	Χ	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	3530
AH-3	7/29/2021	0-1	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	873
All-V	7/29/2021	1-1.5	Х	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	370
	7/29/2021	0-1	Х	-	<49.7	<49.7	<49.7	<49.7	<0.00199	< 0.00199	< 0.00199	<0.00398	<0.00398	622
	7/29/2021	1-1.5	X	-	<49.9	<49.9	<49.9	<49.9	< 0.00199	<0.00199	<0.00199	<0.00398	<0.00398	293
AH-4	7/29/2021	2-2.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	95.3
	7/29/2021	3-3.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	< 0.00397	< 0.00397	53.9
	7/29/2021	4-4.5	Х	-	51.5	<49.9	<49.9	51.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	25.8
	7/29/2021	0-1	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	< 0.00397	< 0.00397	302
	7/29/2021	1-1.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	382
AH-5	7/29/2021	2-2.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	982
	7/29/2021	3-3.5	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	< 0.00402	<0.00402	1480
	7/29/2021	4-4.5	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2860
	7/29/2021	0-1	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	3070
	7/29/2021	1-1.5	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	< 0.00399	< 0.00399	2450
AH-6	7/29/2021	2-2.5	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	805
	7/29/2021	3-3.5	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00200	< 0.00200	<0.00200	< 0.00399	< 0.00399	543
	7/29/2021	4-4.5	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	165
	8/17/2021	0-1	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	23.1
AH-7	8/17/2021	1-1.5	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	22.1
All-7	8/17/2021	2-2.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	22.5
	8/17/2021	3-3.5	Х	-	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	21.3
	8/17/2021	0-1	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	31.2
AH-8	8/17/2021	1-1.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	25.4
All-0	8/17/2021	2-2.5	X	-	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	24.9
	8/17/2021	3-3.5	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	22.9
	8/17/2021	0-1	Х		<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	22.5
AH-9	8/17/2021	1-1.5	Χ	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	< 0.00396	<0.00396	30.1
An-3	8/17/2021	2-2.5	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	23.0
	8/17/2021	3-3.5	Χ	-	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	22.4
	8/17/2021	0-1	Х	- 1	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	23.1
AH-10	8/17/2021	1-1.5	Χ	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	< 0.00403	<0.00403	22.4
An-IV	8/17/2021	2-2.5	Х	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	36.5
	8/17/2021	3-3.5	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	38.1

Table 1 EOG Resources Heart Throb Riser Release Lea County, New Mexico

Sample ID	Sample Date	Excavtion Depth (ft)	Soil	Status		TPH (m	ıg/kg)		Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride
•	·	Depth (ft)	In-Situ	Removed	GRO	DRO	MRO	Total		, , ,	(mg/kg)	, , ,		(mg/kg)
H-1	7/29/2021	0-0.5	Х	-	55.3	<50.0	<50.0	55.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	52.2
H-2	7/29/2021	0-0.5	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00200	0.00324	<0.00200	<0.00399	<0.00399	18.5
H-3	7/29/2021	0-0.5	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	6.53
H-4	7/29/2021	0-0.5	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	7.20
H-5	7/29/2021	0-0.5	Х	-	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	6.99
H-6	7/29/2021	0-0.5	Χ	-	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	27.5
H-7	7/29/2021	0-0.5	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	523
H-8	7/29/2021	0-0.5	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	16.1
H-9	8/17/2021	0-0.5	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	28.0
H-10	8/17/2021	0-0.5	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	28.1
H-11	8/17/2021	0-0.5	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	24.0
H-12	8/17/2021	0-0.5	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	32.1
H-13	8/17/2021	0-0.5	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	514
H-14	8/17/2021	0-0.5	Χ	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	89.5

(-) Not Analyzed Exceeds Thresholds

Table 2 EOG Heart Throb Riser Release Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil :	Status Removed	DRO	TPH (GRO	mg/kg) ORO	Total	Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
BH-14	9/13/2021	1.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
BH-15	9/13/2021	1.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
BH-16	9/10/2021	10.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
BH-17	9/10/2021	10.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
BH-18	9/10/2021	16.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
BH-19	9/10/2021	16.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
BH-20	9/10/2021	16.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
BH-21	9/10/2021	16.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
BH-22	8/25/2021	16.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
BH-23	9/10/2021	10.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
BH-24	9/10/2021	16.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
BH-25	9/10/2021	16.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
BH-26	9/9/2021	4.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
BH-27	9/9/2021	4.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
BH-28	9/9/2021	4.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
BH-29	9/9/2021	4.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
BH-30	9/9/2021	4.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
BH-31	9/9/2021	4.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
BH-32	9/10/2021	16.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
BH-33	9/8/2021	3.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
BH-34	9/8/2021	3.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
BH-35	9/8/2021	3.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
BH-36	9/8/2021	3.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368

Table 2 EOG Heart Throb Riser Release Lea County, New Mexico

Coll Otation TRU (mortion)														
Sample ID	Sample Date	Sample Depth (ft)	Soil :	Status Removed	DRO	TPH (mg/kg) ORO	Total	Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
BH-37	9/8/2021	3.0'	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
BH-38	9/8/2021	3.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
BH-39	9/8/2021	3.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
BH-40	9/8/2021	3.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
BH-41	9/7/2021	3.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432
BH-42	9/7/2021	3.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
BH-43	9/7/2021	3.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
BH-44	9/7/2021	3.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
BH-45	9/7/2021	3.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
BH-46	9/7/2021	3.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
BH-47	9/7/2021	3.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
BH-48	9/7/2021	3.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
BH-49	9/7/2021	3.0'	Х	-	<10.0	13.0	<10.0	13.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
BH-50	9/2/2021	3.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
BH-51	9/2/2021	3.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
BH-52	9/2/2021	3.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
BH-53	9/2/2021	3.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
BH-54	9/8/2021	6.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
BH-55	9/8/2021	6.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
BH-56	9/8/2021	6.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
BH-57	9/8/2021	6.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
BH-58	9/8/2021	6.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
BH-59	9/8/2021	6.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
BH-60	9/2/2021	6.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
BH-61	9/2/2021	6.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
BH-62	9/2/2021	6.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
BH-63	9/2/2021	6.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
BH-64	9/2/2021	6.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0

Table 2 EOG Heart Throb Riser Release Lea County, New Mexico

Lea County, New Mexico														
Sample ID	Sample Date	Sample Depth (ft)		Status			mg/kg)		Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
BH-65	9/2/2021	4.0'	In-Situ X	Removed	DRO <10.0	GRO <10.0	ORO <10.0	Total <10.0	<0.050	<0.050	<0.050			16.0
BH-66	I		l	-	1			1		1		<0.150	<0.300	
	9/2/2021	4.0'	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
BH-67	9/7/2021	4.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
BH-68	9/2/2021	4.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
BH-69	9/2/2021	4.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432
BH-70	9/2/2021	4.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
BH-71	9/2/2021	4.0'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-1	9/7/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-2	9/7/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-3	9/7/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
SW-4	9/7/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-5	9/7/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-6	9/7/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
SW-7	9/7/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-8	9/7/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-9	9/7/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-10	9/7/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-11	9/7/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-12	9/8/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
SW-13	9/8/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-14	9/8/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-15	9/8/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-16	9/8/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-17	9/8/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-18	9/8/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-19	9/8/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-20	9/8/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0

Table 2 EOG Heart Throb Riser Release Lea County, New Mexico

OI- ID	Commis Data	Sample	Soil	Status		TPH (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample ID	Sample Date	Depth (ft)	In-Situ	Removed	DRO	GRO	ORO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
SW-21	9/8/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-22	9/8/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-23	9/13/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-24	9/8/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-25	9/10/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-26	9/8/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-27	9/10/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
SW-28	9/8/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-29	9/9/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-30	9/10/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-31	9/9/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-32	9/10/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
SW-33	9/10/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-34	9/10/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-35	9/10/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-36	9/10/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-37	9/10/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-38	9/10/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-40	9/10/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-41	9/10/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
SW-42	9/10/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
SW-43	9/10/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-44	9/10/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-45	9/10/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-46	9/10/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-47	9/10/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
SW-48	9/10/2021	-	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192

Table 2 EOG Heart Throb Riser Release Lea County, New Mexico

							.,							
Sample ID	Sample Date	Sample Depth (ft)	Soil In-Situ	Status Removed	DRO	TPH (GRO	mg/kg) ORO	Total	Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
SW-49	9/10/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-50	9/10/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-51	9/10/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-52	9/10/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-53	9/10/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-54	9/10/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-55	9/10/2021	-	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0

(-) Not Analyzed



Photographic Documentation

EOG Resources Heartthrob Riser Release Lea County, New Mexico







View of Remediation Activities – View Northeast



View of Remediation Activities – View Northeast

EOG Resources Heartthrob Riser Release Lea County, New Mexico





TETRATE

View of Remediation Activities – View Northeast



View of Remediation Activities – View Southwest



Appendix A

C-141 Document

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	NAPP2119556223
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources			OGRID 7377			
Contact Name Todd Wells				Contact Telephone (432) 686-3613		
Contact email Todd_Wells@eogresources.com				Incident #	(assigned by OCD) NAPP2119556223	
Contact mail 79706	ing address	5509 Champions	Drive Midland, T	ГХ		
			Location	of R	delease So	ource
Latitude 32.2	09515°				Longitude -	-103.583430°
<u></u>			(NAD 83 in de	ecimal de	grees to 5 decim	
Site Name H	Ieartthrob R	iser			Site Type	Reuse Water Line Booster Pump
Date Release	Discovered	6/30/21			API# (if app	plicable)
Unit Letter	Section	Township	Range		Coun	nty
D	D 21 24S 33E Lea					
Surface Owner	r: 🔀 State	Federal T	ribal 🔛 Private (Name:		<u>)</u>
			Nature an	d Vol	lume of F	Release
			rature an	u v O	iuiiic oi i	recease
				h calculat	tions or specific	justification for the volumes provided below)
Crude Oil		Volume Release	ed (bbls)			Volume Recovered (bbls)
Reuse Wa	nter	Volume Release	ed (bbls) 525			Volume Recovered (bbls) 105
		Is the concentrate produced water	tion of dissolved >10,000 mg/l?	chloride	e in the	⊠ Yes □ No
Condensate Volume Released (bbls)					Volume Recovered (bbls)	
Natural Gas Volume Released (Mcf)		Volume Recovered (Mcf)				
Other (describe) Volume/Weight Released (provide units		vs) Volume/Weight Recovered (provide units)				
Cause of Rele	ease: While	pumping treated	reuse water from	pit to p	it, the ½" val	lve broke on the booster pump at the Heartthrob Riser.
	•	of reuse water was	s released at the ri	iser wit	h 105 bbls re	ecovered.
Avg. inlet f		97.25 BPM				
Avg. outlet	flow rate:	94.49 BPM				
Spill Time:		190 minutes	0.1.10.77	007-		DD1.0
Total Spill	Volume:	(97.25 BPM -	- 94.49 BPM) * 1	90 Min	utes= <u>524.4 l</u>	BBLS

Received by OCD: 9/29/2021 1:48:30 PM State of New Mexico Oil Conservation Division Page 2

	Page 24eof 2	80
D	NAPP2119556223	Ì

Incident I District RP Facility ID Application ID

Was this a major release as defined by	If YES, for what reason(s) does the resp	onsible party consider this a major release? More than 25 bbls.
19.15.29.7(A) NMAC?		
⊠ Yes □ No		
If VES was immediate no	ntice given to the OCD? By whom? To wh	nom? When and by what means (phone, email, etc)? Email notification
to the District 1 Spills Inb		ioni: when and by what means (phone, eman, etc): Eman normeation
	Initial F	Response
The responsible p	party must undertake the following actions immedia	tely unless they could create a safety hazard that would result in injury
The source of the rele	ease has been stopped.	
	is been secured to protect human health an	d the environment.
Released materials ha	ave been contained via the use of berms or	dikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed a	nd managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain	n why:
Per 19.15.29.8 B. (4) NM	AC 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 remedia	l efforts have been successfully completed or if the release occurred please attach all information needed for closure evaluation.
		e best of my knowledge and understand that pursuant to OCD rules and
public health or the environn	ment. The acceptance of a C-141 report by the	tifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have
		reat to groundwater, surface water, human health or the environment. In of responsibility for compliance with any other federal, state, or local laws
and/or regulations.		
Printed Name: Todd	Wells Title:	Environmental Specialist
Signature: Toda	d Wells	Date: <u>7-14-21</u>
email: <u>Todd_V</u>	Wells@eogresources.com	Telephone: (432) 686-3613
OCD Only		
Received by: Ram	ona Marcus	Date: 7/16/2021
-		

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	Page 25 of 280
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 ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
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 well 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	ls.

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.

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	Page 26 of 28	80
Incident ID		
District RP		
Facility ID		
Application ID		

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release no public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a threaddition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	tifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have reat to groundwater, surface water, human health or the environment. In
Printed Name:	Title:
Signature: Todd Wells	
email:	Telephone:
OCD O. L.	
OCD Only	
Received by:	Date:

Received by OCD: 9/29/2021 1:48:30 PM Form C-141 State of New Mexico Page 6 Oil Conservation Division

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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 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of	ntions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in
Printed Name:	
Signature: Todd Wells	Date:
email:	Telephone:
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by:	Date:
Printed Name:	Title:



Appendix B

Site Characterization Documents



0

Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News 🔊

Groundwater levels for New Mexico

0

Click to hide state-specific text

* IMPORTANT: Next Generation Station Page

Search Results -- 1 sites found

Agency code = usgs

site_no list =

• 321236103350101

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 321236103350101 24S.33E.17.444414

Lea County, New Mexico Latitude 32°12'36", Longitude 103°35'01" NAD27 Land-surface elevation 3,573 feet above NAVD88

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Ogallala Formation (1210GLL) local aquifer.

Output formats

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

Date \$	Time \$? Water-level \$ date- time accuracy	? Parameter $\hat{\mathbf{v}}$	Water level, feet below land surface	Water level, feet above \$ specific vertical datum	Referenced vertical \$\datum\$? Status	? Method of reasurement	? Measuring [‡] agency	? Source measu
1986-03-11		D	62610		3473.93	NGVD29	1	Z		
1986-03-11		D	62611		3475.63	NAVD88	1	Z		
1986-03-11		D	72019	97.37			1	Z		

Explanation

Section \$	Code	•	Description	\$
Water-level date-time accuracy	D		Date is accurate to the Day	
Parameter code	62610		Groundwater level above NGVD 1929, feet	
Parameter code	62611		Groundwater level above NAVD 1988, feet	
Parameter code	72019		Depth to water level, feet below land surface	
Referenced vertical datum	NAVD88		North American Vertical Datum of 1988	
Referenced vertical datum	NGVD29		National Geodetic Vertical Datum of 1929	
Status	1		Static	
Method of measurement	Z		Other.	



Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey.

Title: Groundwater for New Mexico: Water Levels

URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer

Page Last Modified: 2021-08-02 16:13:28 EDT

0.46 0.32 nadww01



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number Q64 Q16 Q4 Sec Tws Rng

3 3 3 16 24S 33E

X Y

C 02430 3 3

633377 3564732*

32*

Driller License: 421 Driller Company: GLENN'S WATER WELL SERVICE

Driller Name: GLENN'S

Drill Start Date: 01/01/1970 **Drill Finish Date:** 12/31/1982 **Plug Date:**

Log File Date:PCW Rcv Date:Source:ShallowPump Type:Pipe Discharge Size:Estimated Yield:12 GPMCasing Size:8.63Depth Well:643 feetDepth Water:415 feet

Meter Number: 526 Meter Make: MASTER METER

Meter Serial Number:6173115Meter Multiplier:100.0000Number of Dials:6Meter Type:Diversion

Unit of Measure:GallonsReturn Flow Percent:Usage Multiplier:Reading Frequency:

Meter Readings (in Acre-Feet)

Read	Date	Year	Mtr Reading	Flag	Rdr Comment	Mtr Amount Online
12/30/	/1998	1999	222014	A	ms	0
04/02/	/1999	1999	222014	A	ms	0
07/20/	/1999	1999	229709	A	ms	2.362
11/01/	/1999	1999	243643	A	ms	4.276
01/01/	/2000	2000	0	A	MB	0
01/10/	/2000	2000	0	A	ms	0
01/10/	/2000	1999	254720	A	ms	3.399
05/05/	/2000	2000	16024	A	MB	4.918
07/06/	/2000	2000	25577	A	RPT	2.932
10/05	/2000	2000	41965	A	ms	5.029
01/04/	/2001	2000	49216	A	RPT	2.225
04/01/	/2001	2001	57467	A	RPT	2.532
07/01/	/2001	2001	71275	A	RPT	4.238
10/05	/2001	2001	85782	A	RPT	4.452
04/01/	/2002	2002	94480	A	mb	2.669
07/02/	/2002	2002	101278	A	rm	2.086
01/01/	/2003	2002	119207	A	RPT	5.502
04/01/	/2003	2003	139769	A	RPT	6.310
07/01/	/2003	2003	154457	A	RPT	4.508
10/02	/2003	2003	170631	A	ab	4.964
01/01/	/2004	2003	186443	A	ab	4.853
04/04/	/2004	2004	199408	A	RPT	3.979
07/01/	/2004	2004	211814	A	RPT	3.807
10/04/	/2004	2004	223841	A	tw	3.691
10/24	/2004	2004	0	A	RPT	0

12/31/2015 04/01/2016	2015 2016	270240 289242	A A	RPT RPT		5.831
07/01/2015	2015	56013 270240	A A	RPT RPT		9.234
01/12/2015 04/05/2015	2015 2015	0 25923	A A	RPT RPT		0 7.955
01/07/2015	2014	337260	A	RPT		10.758
10/03/2014	2014	302205	A	RPT		10.775
07/01/2014	2014	267094	A	RPT		10.009
04/01/2014	2014	234481	A	RPT		9.756
12/31/2013	2013	202691	A	RPT		7.391
10/03/2013	2013	178608	A	RPT		1.522
07/01/2013	2013	173648	A	RPT		9.517
04/03/2013	2013	142637	A	RPT		10.675
01/01/2013	2012	107852	R		Meter Rollover	164.623
10/02/2012	2012	571427	A D	RPT	Mater Pollover	3.350
07/02/2012	2012	560510	A ^	RPT		5.484
04/01/2012	2012	542641	A	RPT		9.286
12/31/2011	2011	512383	A	RPT		7.665
10/08/2011	2011	487406	A	RPT		9.654
07/01/2011	2011	455947 487406	A ^	RPT		8.806
04/01/2011	2010	427251	A	RPT		8.755
12/31/2010	2010	398722	A	RPT		8.233
10/01/2010	2010	371894	A	RPT		5.144
07/01/2010	2010	355132	A	RPT		11.997
04/04/2010	2010	316041	A	RPT		9.000
01/01/2010	2009	286715	A A	RPT		6.198
10/05/2009	2009 2009	243383 266518	A A	RPT		7.038
04/01/2009 07/05/2009	2009	228122 243585		RPT RPT		4.745
12/31/2008	2008	210221	A A	RPT RPT		4.008 5.494
10/03/2008	2008	197162	A A	RPT RPT		4.410
07/01/2008	2008	182792	A ^	RPT		2.905
04/16/2008	2008	173327	A	RPT		2.902
01/01/2008	2007	163870	A	RPT		2.226
10/28/2007	2007	156617	A	RPT		4.073
07/31/2007	2007	143346	A ^	RPT		5.727
04/03/2007	2007	124685	A ^			4.185
01/01/2007	2006	111048	A A	tw RPT		5.284
				tw		
10/02/2006	2006	93830	A A	tw		5.396
04/20/2006 07/08/2006	2006 2006	64273 76246	A A	RPT tw		3.674
12/31/2005	2005	51640	A ^	RPT		1.556 3.877
10/31/2005	2005	46571	A A	RPT RPT		4.530
07/01/2005	2005	31810	A	RPT		2.025
04/05/2005	2005	25213	A	RPT		3.695
01/03/2005	2004	13173	A	RPT		4.043

^{**}YTD Meter Amounts: Year

1999	10.037	
2000	15.104	
2001	11.222	
2002	10.257	
2003	20.635	
2004	15.520	
2005	11.806	
2006	18.231	
2007	16.211	
2008	14.225	
2009	23.475	
2010	34.374	
2011	34.880	
2012	182.743	
2013	29.105	
2014	41.298	
2015	17.189	
2016	26.470	

^{*}UTM location was derived from PLSS - see Help

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

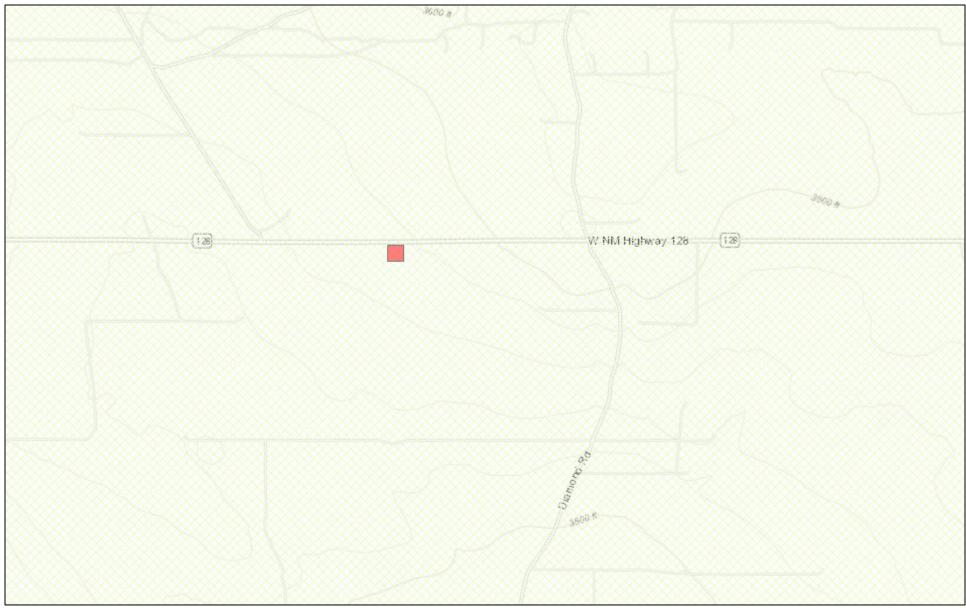
8/2/21 11:59 AM

POINT OF DIVERSION SUMMARY

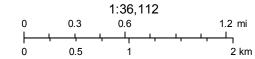
Released to Imaging: 10/15/2021 9:03:08 AM



New Mexico NFHL Data



August 2, 2021



FEMA Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS,

Low Karst **EOG** Resources eart Throb Riser Spill

Legend

Received by OCD: 9/29/2021 1:48:30 PM

Received by OCD: 9/29/2021 1:48:30 PM





10 mi

Heart Throb Spill

Google Earth

© 2021 Google

Image Landsat / Copernicus

Water Well Data Average Depth to Groundwater (ft) EOG Resources Heart Throb Riser Spill (July 2021) Lea County, New Mexico

	23 S	outh	;	32 East	t		23 8	outh	3	3 East	:		23 Sc	outh	34	East	
6	5	4	3	2	1	6	5	4	3	2	1	6 32	9 5	4	3	2	1 137
7	8	9	10	11	12	7	8	9	10	11	12	7	8 255	9	10	11	12
18	17	16	15	14	13	18	17	16	15	14	13	18	17	16 345	15	14	13
19	20	21	22	23	24	19	20	21	22	23	24	19	20	21			24
30	29	400 28	27	26	25	30	29	28	27	26	25	30	29	28	295 27	265 26	25
31	32	33	34	35	36	31	32	33	34	35	36	31	32 160	33	34	35	36
	24 \$	South		32 East	t		24 S	South	3:	3 East			24 Sc	outh	34	East	
6	5	4	3	2	1	6	5	4	3	2	1	6	5	4	3	2	1
7	8	9	10 20	11	12	7	8	9	10 20	11	12	7	8	9	10	11	12
18	17	16	15	14	13	18	17	16	15	14	13	18	17	16	15	14	13
19	20	21	22	23	24	19	20	21	22	23	24	19	20	21	22	23	24
30	29	28	27	26	25	30	29	28	27	208 26	16.9 25	30	29	28	27	26	25
31	32	33 290	34	35	36	31	32	33 70	34	35	36	31	32	33	34	35	36
	25.5	South	'	32 East			25.5	South	2.	3 East			25 Sc	th	2/	East	
6	5	4	3	2	1	6	5	4	3 172		1	6	5	4	3	2	1 260
7	8	9	10	11	12	7	118 8	9	10	11	12	7	8	9	10	11	12
18	17	16	15	14	13	18	17	16	15	140 14	200 13	18	17	16	15	14	13
19	20	21	22	23	24	19	20	21	22	23	185 24	19	20	21	135 22	23	24
30	29	28	27	26	25	30	200 29	1 <mark>20</mark> 28	27	26	25	30	29 129	28	27	26	300 25
31	32	33	34	35	36	31	32	33	125 34	110 35	36	31	50	33	34	35	36
	290					190											

- 88 New Mexico State Engineers Well Reports
- 105 USGS Well Reports
- 90 Geology and Groundwater Conditions in Southern Lea, County, NM (Report 6) Geology and Groundwater Resources of Eddy County, NM (Report 3)
- 34 NMOCD Groundwater Data
- 123 Tetra Tech installed temporary wells and field water level
- 143 NMOCD Groundwater map well location



Appendix C

Laboratory Reports



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-4538-1

Laboratory Sample Delivery Group: Lea County, New Mexico

Client Project/Site: Heart Throb

For:

Tetra Tech, Inc. 901 W Wall Ste 100 Midland, Texas 79701

Attn: Clair Gonzales

MAMER

Authorized for release by: 8/2/2021 1:02:58 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

LINKS

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 10/15/2021 9:03:08 AM

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.

1

3

5

6

۶ R

9

11

12

1 /

Client: Tetra Tech, Inc. Project/Site: Heart Throb Laboratory Job ID: 880-4538-1 SDG: Lea County, New Mexico

Table of Contents

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QC Sample Results	26
QC Association Summary	35
Lab Chronicle	41
Certification Summary	48
Method Summary	49
Sample Summary	50
Chain of Custody	51
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1

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14

Definitions/Glossary

Job ID: 880-4538-1 Client: Tetra Tech, Inc. Project/Site: Heart Throb 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. U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

Qualifier **Qualifier Description** 4 MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not

applicable.

Е Result exceeded calibration range.

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 Contains No Free Liquid CNF

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) Limit of Quantitation (DoD/DOE) 1.00

EPA recommended "Maximum Contaminant Level" MCL Minimum Detectable Activity (Radiochemistry) MDA

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) ML 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 Positive / Present POS

PQL Practical Quantitation Limit

PRES Presumptive **Quality Control** QC

RER Relative Error Ratio (Radiochemistry)

RI 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

Job ID: 880-4538-1 Client: Tetra Tech, Inc. Project/Site: Heart Throb SDG: Lea County, New Mexico

Job ID: 880-4538-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative 880-4538-1

Receipt

The samples were received on 7/30/2021 1:15 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 2.5°C

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: AH-6 (3-3.5') (880-4538-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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.

Result Qualifier

<0.00202 U

<0.00202 U

<0.00202 UF1

<0.00403 UF1

<0.00202 UF1

<0.00403 UF1

90

101

<0.00403 U F1 F2

Client: Tetra Tech, Inc.

Job ID: 880-4538-1

Project/Site: Heart Throb

SDG: Lea County, New Mexico

RL

0.00202

0.00202

0.00202

0.00403

0.00202

0.00403

0.00403

MDL Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

07/30/21 14:05

07/31/21 10:20

07/31/21 10:20

Client Sample ID: AH-1 (0-1')

Method: 8021B - Volatile Organic Compounds (GC)

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15

Benzene

Toluene

o-Xylene

Ethylbenzene

Xylenes, Total

1-Chlorooctane

o-Terphenyl

Total BTEX

m-Xylene & p-Xylene

Lab Sample ID: 880-4538-1

Matrix: Solid

Prepared	Analyzed	Dil Fac
07/30/21 14:05	08/01/21 20:09	1
07/30/21 14:05	08/01/21 20:09	1
07/30/21 14:05	08/01/21 20:09	1
07/30/21 14:05	08/01/21 20:09	1
07/30/21 14:05	08/01/21 20:09	1
07/30/21 14:05	08/01/21 20:09	1

08/01/21 20:09

08/01/21 14:15

08/01/21 14:15

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 116 70 - 130 07/30/21 14:05 08/01/21 20:09 1,4-Difluorobenzene (Surr) 94 70 - 130 07/30/21 14:05 08/01/21 20:09

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 07/31/21 10:20 08/01/21 14:15 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 07/31/21 10:20 08/01/21 14:15 C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 07/31/21 10:20 08/01/21 14:15 Total TPH <50.0 U 50.0 07/31/21 10:20 08/01/21 14:15 mg/Kg Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac

_									
Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		4.99		mg/Kg			07/31/21 18:30	1

70 - 130

70 - 130

Client Sample ID: AH-1 (1-1.5')

Date Collected: 07/29/21 00:00

Lab Sample ID: 880-4538-2

Matrix: Solid

Date Received: 07/30/21 13:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/01/21 20:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/01/21 20:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/01/21 20:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/30/21 14:05	08/01/21 20:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/01/21 20:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/30/21 14:05	08/01/21 20:29	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		07/30/21 14:05	08/01/21 20:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				07/30/21 14:05	08/01/21 20:29	1
1,4-Difluorobenzene (Surr)	96		70 - 130				07/30/21 14:05	08/01/21 20:29	1
Method: 8015B NM - Diesel R	ange Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		07/31/21 10:20	08/01/21 15:19	1

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М

Job ID: 880-4538-1 SDG: Lea County, New Mexico

Client Sample ID: AH-1 (1-1.5')

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15

Client: Tetra Tech, Inc.

Project/Site: Heart Throb

Lab Sample ID: 880-4538-2

Matrix: Solid

Method: 8015B NM - Dies	el Range Organics (DRO) (GC) (Conti	nued)
Analyte	Result Qualifier	RL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		07/31/21 10:20	08/01/21 15:19	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/31/21 10:20	08/01/21 15:19	1
Total TPH	<49.9	U	49.9		mg/Kg		07/31/21 10:20	08/01/21 15:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	76Recovery Qualifier	LIIIIII		Frepareu	Allalyzeu	DII Fac
1-Chlorooctane	87	70 - 130		07/31/21 10:20	08/01/21 15:19	1
o-Terphenyl	99	70 - 130	(07/31/21 10:20	08/01/21 15:19	1
<u> </u>						

Method: 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac			
Chloride	766	5.04	mg/Kg			07/31/21 18:46	1			

Client Sample ID: AH-2 (0-1')

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15 Lab Sample ID: 880-4538-3

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Me	ethod: 8021B - Volatile Orga	nic Compounds (GC)							
An	alyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Be	nzene	<0.00201	U	0.00201		mg/Kg		07/30/21 14:05	08/01/21 20:50	1
Tol	luene	<0.00201	U	0.00201		mg/Kg		07/30/21 14:05	08/01/21 20:50	1
Eth	nylbenzene	<0.00201	U	0.00201		mg/Kg		07/30/21 14:05	08/01/21 20:50	1
m-	Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/30/21 14:05	08/01/21 20:50	1
o->	Kylene	<0.00201	U	0.00201		mg/Kg		07/30/21 14:05	08/01/21 20:50	1
Ху	lenes, Total	<0.00402	U	0.00402		mg/Kg		07/30/21 14:05	08/01/21 20:50	1
Tot	tal BTEX	<0.00402	U	0.00402		mg/Kg		07/30/21 14:05	08/01/21 20:50	1

Surrogate	%Recovery Q	ualifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115	70 - 130	07/30/21 14:05	08/01/21 20:50	1
1,4-Difluorobenzene (Surr)	99	70 - 130	07/30/21 14:05	08/01/21 20:50	1

Metriod. 00 13D MM - Dieser Kari	ge Organics (D	NO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		07/31/21 10:20	08/01/21 15:40	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0	I	mg/Kg		07/31/21 10:20	08/01/21 15:40	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	1	mg/Kg		07/31/21 10:20	08/01/21 15:40	1
Total TPH	<50.0	U	50.0	ı	mg/Kg		07/31/21 10:20	08/01/21 15:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				07/31/21 10:20	08/01/21 15:40	1
o-Terphenyl	94		70 - 130				07/31/21 10:20	08/01/21 15:40	1

Method: 300.0 - Anions, Ion Chron	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3530	24.9	ma/Ka			07/31/21 18:52	5

Client: Tetra Tech, Inc. Job ID: 880-4538-1 Project/Site: Heart Throb SDG: Lea County, New Mexico

Client Sample ID: AH-3 (0-1')

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15

1-Chlorooctane

Lab Sample ID: 880-4538-4

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/30/21 14:05	08/01/21 21:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/30/21 14:05	08/01/21 21:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/30/21 14:05	08/01/21 21:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/30/21 14:05	08/01/21 21:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/30/21 14:05	08/01/21 21:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/30/21 14:05	08/01/21 21:10	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		07/30/21 14:05	08/01/21 21:10	1

07/31/21 10:20

08/01/21 16:01

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115	70 - 130	07/30/21 14:05	08/01/21 21:10	1
1,4-Difluorobenzene (Surr)	93	70 - 130	07/30/21 14:05	08/01/21 21:10	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		07/31/21 10:20	08/01/21 16:01	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		07/31/21 10:20	08/01/21 16:01	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/31/21 10:20	08/01/21 16:01	1
Total TPH	<50.0	U	50.0		mg/Kg		07/31/21 10:20	08/01/21 16:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

o-Terphenyl	89		70 - 130				07/31/21 10:20	08/01/21 16:01	1
Method: 300.0 - Anions, Ion Chro	matography - 9	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	873		4.95		mg/Kg			07/31/21 18:57	1

70 - 130

84

Client Sample ID: AH-3 (1-1.5') Lab Sample ID: 880-4538-5 Date Collected: 07/29/21 00:00 **Matrix: Solid**

Date Received: 07/30/21 13:15	

Method: 8021B - Volatile Orga	nic Compounds ((GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/01/21 21:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/01/21 21:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/01/21 21:31	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/30/21 14:05	08/01/21 21:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/01/21 21:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/30/21 14:05	08/01/21 21:31	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		07/30/21 14:05	08/01/21 21:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				07/30/21 14:05	08/01/21 21:31	1
1,4-Difluorobenzene (Surr)	94		70 - 130				07/30/21 14:05	08/01/21 21:31	1

Method: 8015B NM - Diesel Range (Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		07/31/21 10:20	08/01/21 16:22	1
(GRO)-C6-C10									

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Job ID: 880-4538-1 Project/Site: Heart Throb SDG: Lea County, New Mexico

MDL Unit

mg/Kg

mg/Kg

Client Sample ID: AH-3 (1-1.5')

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

Result Qualifier

<49.8 U

<49.8 U

95

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15

Diesel Range Organics (Over

Oll Range Organics (Over C28-C36)

C10-C28)

Client: Tetra Tech, Inc.

Lab Sample ID: 880-4538-5

08/01/21 16:22

Matrix: Solid

Analyzed	Dil Fac	Į.
08/01/21 16:22	1	

Total TPH <49.8 U 07/31/21 10:20 08/01/21 16:22 49.8 mg/Kg Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 86 70 - 130 07/31/21 10:20 08/01/21 16:22 o-Terphenyl 92 70 - 130 07/31/21 10:20 08/01/21 16:22

49.8

49.8

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier MDL Unit RL D Prepared Analyzed Dil Fac Chloride 370 5.02 mg/Kg 07/31/21 19:03

Client Sample ID: AH-4 (0-1')

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15

Lab Sample ID: 880-4538-6

Matrix: Solid

Dil Fac

D

Prepared

07/31/21 10:20

07/31/21 10:20

07/31/21 10:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Benzene	<0.00199	U	0.00199		mg/Kg	_	07/30/21 14:05	08/01/21 21:51
Toluene	< 0.00199	U	0.00199		mg/Kg		07/30/21 14:05	08/01/21 21:51
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		07/30/21 14:05	08/01/21 21:51
m-Xylene & n-Xylene	<0.00398	11	0.00398		ma/Ka		07/30/21 14:05	08/01/21 21:51

51 m-Xylene & p-Xylene mg/Kg o-Xylene <0.00199 U 0.00199 mg/Kg 07/30/21 14:05 08/01/21 21:51 Xylenes, Total <0.00398 U 0.00398 mg/Kg 07/30/21 14:05 08/01/21 21:51 Total BTEX <0.00398 U 0.00398 07/30/21 14:05 08/01/21 21:51 mg/Kg

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117	70 - 130	07/30/21 14:05	08/01/21 21:51	1
1,4-Difluorobenzene (Surr)	91	70 - 130	07/30/21 14:05	08/01/21 21:51	1

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

Method: 8021B - Volatile Organic Compounds (GC)

motilou: 00 10D 11m Dicoci Ituni	je ergarnes (b	, (00)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.7	U	49.7		mg/Kg		07/31/21 10:20	08/01/21 16:43	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.7	U	49.7		mg/Kg		07/31/21 10:20	08/01/21 16:43	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/31/21 10:20	08/01/21 16:43	1
Total TPH	<49.7	U	49.7		mg/Kg		07/31/21 10:20	08/01/21 16:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				07/31/21 10:20	08/01/21 16:43	1

Method: 300.0 - Anions, Ion Chrom	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	622	4.97	mg/Kg			07/31/21 19:19	1

70 - 130

08/01/21 16:43

o-Terphenyl

Job ID: 880-4538-1 Client: Tetra Tech, Inc. SDG: Lea County, New Mexico Project/Site: Heart Throb

Client Sample ID: AH-4 (1-1.5')

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15 Lab Sample ID: 880-4538-7

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/30/21 14:05	08/01/21 22:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/30/21 14:05	08/01/21 22:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/30/21 14:05	08/01/21 22:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/30/21 14:05	08/01/21 22:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/30/21 14:05	08/01/21 22:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/30/21 14:05	08/01/21 22:11	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/30/21 14:05	08/01/21 22:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				07/30/21 14:05	08/01/21 22:11	1
1,4-Difluorobenzene (Surr)	93		70 - 130				07/30/21 14:05	08/01/21 22:11	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <49.9 U 49.9 mg/Kg 07/31/21 10:20 08/01/21 17:04 (GRO)-C6-C10 <49.9 U 07/31/21 10:20 08/01/21 17:04 Diesel Range Organics (Over 49.9 mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 07/31/21 10:20 08/01/21 17:04 Total TPH 07/31/21 10:20 08/01/21 17:04 <49.9 U 49.9 mg/Kg %Recovery Qualifier

	Surrogate	/ortecovery	Quanner	Lillits	rrepareu	Allalyzeu	Diriac
	1-Chlorooctane	86		70 - 130	07/31/21 10:20	08/01/21 17:04	1
	o-Terphenyl	94		70 - 130	07/31/21 10:20	08/01/21 17:04	1
ì	_						

Method: 300.0 - Anions, Ion Chron	natography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	293		4.95		mg/Kg			07/31/21 19:24	1

Client Sample ID: AH-4 (2-2.5') Lab Sample ID: 880-4538-8 Date Collected: 07/29/21 00:00 **Matrix: Solid**

Date Received: 07/30/21 13:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/01/21 22:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/01/21 22:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/01/21 22:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/30/21 14:05	08/01/21 22:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/01/21 22:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/30/21 14:05	08/01/21 22:32	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		07/30/21 14:05	08/01/21 22:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				07/30/21 14:05	08/01/21 22:32	1
1,4-Difluorobenzene (Surr)	91		70 - 130				07/30/21 14:05	08/01/21 22:32	1
Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (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		07/31/21 10:20	08/01/21 17:25	1

Client: Tetra Tech, Inc. Job ID: 880-4538-1 Project/Site: Heart Throb SDG: Lea County, New Mexico

Client Sample ID: AH-4 (2-2.5')

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15 Lab Sample ID: 880-4538-8

Matrix: Solid

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC) (C	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		07/31/21 10:20	08/01/21 17:25	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/31/21 10:20	08/01/21 17:25	1
Total TPH	<50.0	U	50.0		mg/Kg		07/31/21 10:20	08/01/21 17:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	07/	/31/21 10:20	08/01/21 17:25	1
o-Terphenyl	97		70 - 130	07/	/31/21 10:20	08/01/21 17:25	1
_							

Method: 300.0 - Anions, Ion Chroma	atography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.3		4.98		mg/Kg			07/31/21 19:30	1

Client Sample ID: AH-4 (3-3.5')

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15

Lab Sample ID: 880-4538-9

Matrix: Solid

Method: 8021B - Volatile Org	ganic Compounds (GC)						
Analyte	Result Qualit	fier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198 U	0.00198	mg/Kg		07/30/21 14:05	08/01/21 22:52	1
Toluene	<0.00198 U	0.00198	mg/Kg		07/30/21 14:05	08/01/21 22:52	1
Ethylbenzene	<0.00198 U	0.00198	mg/Kg		07/30/21 14:05	08/01/21 22:52	1
m-Xylene & p-Xylene	<0.00397 U	0.00397	mg/Kg		07/30/21 14:05	08/01/21 22:52	1
o-Xylene	<0.00198 U	0.00198	mg/Kg		07/30/21 14:05	08/01/21 22:52	1
Xylenes, Total	<0.00397 U	0.00397	mg/Kg		07/30/21 14:05	08/01/21 22:52	1
Total BTEX	<0.00397 U	0.00397	mg/Kg		07/30/21 14:05	08/01/21 22:52	1

Surrogate	%Recovery Qualifier	Limits	Prepared Analyzed Dil Fac
4-Bromofluorobenzene (Surr)	115	70 - 130	07/30/21 14:05
1,4-Difluorobenzene (Surr)	90	70 - 130	07/30/21 14:05

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

Method: 8015B NM - Diesei Rang	ge Organics (ט	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		07/31/21 10:20	08/01/21 17:46	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		07/31/21 10:20	08/01/21 17:46	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/31/21 10:20	08/01/21 17:46	1
Total TPH	<50.0	U	50.0		mg/Kg		07/31/21 10:20	08/01/21 17:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				07/31/21 10:20	08/01/21 17:46	1
o-Terphenyl	91		70 - 130				07/31/21 10:20	08/01/21 17:46	1

Method: 300.0 - Anions, Ion Chron	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.9	5 00	ma/Ka			07/31/21 19:35	

Client Sample ID: AH-4 (4-4.5')

Date Collected: 07/29/21 00:00

1,4-Difluorobenzene (Surr)

Client: Tetra Tech, Inc. Project/Site: Heart Throb

Job ID: 880-4538-1

SDG: Lea County, New Mexico

Lab Sample ID: 880-4538-10

08/01/21 23:13

07/30/21 14:05

Matrix: Solid

Date Received: 07/30/21 13:15	
Mathod: 8021B - Volatile Organic Compounds (GC)	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/30/21 14:05	08/01/21 23:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/30/21 14:05	08/01/21 23:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/30/21 14:05	08/01/21 23:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/30/21 14:05	08/01/21 23:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/30/21 14:05	08/01/21 23:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/30/21 14:05	08/01/21 23:13	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/30/21 14:05	08/01/21 23:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				07/30/21 14:05	08/01/21 23:13	1

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

Method. of 130 MM - Dieser Kang	ge Organics (Di	(GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		07/31/21 10:20	08/01/21 18:06	1
(GRO)-C6-C10									
Diesel Range Organics (Over	51.5		49.9		mg/Kg		07/31/21 10:20	08/01/21 18:06	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/31/21 10:20	08/01/21 18:06	1
Total TPH	51.5		49.9		mg/Kg		07/31/21 10:20	08/01/21 18:06	1
Surrogate	%Recovery	Qualifier	Limits				Prenared	Analyzed	Dil Fac

70 - 130

Surrogate	%Recovery	Qualifier	Limits		Prepared	Anaiyzea	DII Fac
1-Chlorooctane	88		70 - 130		07/31/21 10:20	08/01/21 18:06	1
o-Terphenyl	96		70 - 130	C	07/31/21 10:20	08/01/21 18:06	1
_							

Method: 300.0 - Anions,	lon Chromatography - Soluble
Analyte	Result Qualifier

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.8		4.99		mg/Kg			07/31/21 19:40	1

Client Sample ID: AH-5 (0-1')

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15 Lab Sample ID: 880-4538-11

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		07/30/21 14:05	08/02/21 00:34	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/30/21 14:05	08/02/21 00:34	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/30/21 14:05	08/02/21 00:34	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		07/30/21 14:05	08/02/21 00:34	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/30/21 14:05	08/02/21 00:34	1
Xylenes, Total	< 0.00397	U	0.00397		mg/Kg		07/30/21 14:05	08/02/21 00:34	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		07/30/21 14:05	08/02/21 00:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				07/30/21 14:05	08/02/21 00:34	1

ĺ	Mothod: 8015B NM - Diosal Pango Organio	e (DPO) (GC)				
	1,4-Difluorobenzene (Surr)	91	70 - 130	07/30/21 14:05	08/02/21 00:34	1
ı	4-Bromofluorobenzene (Surr)	110	70 - 130	07/30/21 14:05	08/02/21 00:34	1

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

Analyte	Result (Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0 l	U	50.0		mg/Kg		07/31/21 10:20	08/01/21 18:48	1
(GPO)_C6_C10									

Client: Tetra Tech, Inc. Job ID: 880-4538-1 Project/Site: Heart Throb SDG: Lea County, New Mexico

Client Sample ID: AH-5 (0-1')

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15 Lab Sample ID: 880-4538-11

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/31/21 10:20	08/01/21 18:48	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/31/21 10:20	08/01/21 18:48	1
Total TPH	<50.0	U	50.0		mg/Kg		07/31/21 10:20	08/01/21 18:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				07/31/21 10:20	08/01/21 18:48	1
o-Terphenyl	97		70 ₋ 130				07/31/21 10:20	08/01/21 18:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit Dil Fac D Prepared Analyzed 5.00 07/31/21 19:46 Chloride 302 mg/Kg

Client Sample ID: AH-5 (1-1.5')

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15

Lab Sample ID: 880-4538-12

Matrix: Solid

Method: 8021B - Volatile Or	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		07/30/21 14:05	08/02/21 00:55	1	
Toluene	<0.00199	U	0.00199		mg/Kg		07/30/21 14:05	08/02/21 00:55	1	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/30/21 14:05	08/02/21 00:55	1	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/30/21 14:05	08/02/21 00:55	1	
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/30/21 14:05	08/02/21 00:55	1	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/30/21 14:05	08/02/21 00:55	1	
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/30/21 14:05	08/02/21 00:55	1	

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	4-Bromofluorobenzene (Surr)	116		70 - 130	07/30/21 14:05	08/02/21 00:55	1
Į	1,4-Difluorobenzene (Surr)	93		70 - 130	07/30/21 14:05	08/02/21 00:55	1

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

Method: 00130 MM - Diesel Kang	ietilot. 60156 NM - Diesel Kalige Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		07/31/21 10:20	08/01/21 19:09	1	
(GRO)-C6-C10										
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		07/31/21 10:20	08/01/21 19:09	1	
C10-C28)										
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/31/21 10:20	08/01/21 19:09	1	
Total TPH	<50.0	U	50.0		mg/Kg		07/31/21 10:20	08/01/21 19:09	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	88		70 - 130				07/31/21 10:20	08/01/21 19:09	1	
o-Terphenyl	95		70 - 130				07/31/21 10:20	08/01/21 19:09	1	

Method: 300.0 - Anions, Ion Chron	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	382	4.98	mg/Kg			07/31/21 20:02	1

Client: Tetra Tech, Inc.

Job ID: 880-4538-1

Project/Site: Heart Throb

SDG: Lea County, New Mexico

Client Sample ID: AH-5 (2-2.5')

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15 Lab Sample ID: 880-4538-13

07/31/21 10:20

08/01/21 19:30

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/02/21 01:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/02/21 01:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/02/21 01:15	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/30/21 14:05	08/02/21 01:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/02/21 01:15	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/30/21 14:05	08/02/21 01:15	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		07/30/21 14:05	08/02/21 01:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				07/30/21 14:05	08/02/21 01:15	1
1,4-Difluorobenzene (Surr)	92		70 - 130				07/30/21 14:05	08/02/21 01:15	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac <49.9 U Gasoline Range Organics 49.9 mg/Kg 07/31/21 10:20 08/01/21 19:30 (GRO)-C6-C10 Diesel Range Organics (Over 07/31/21 10:20 08/01/21 19:30 <49.9 U 49.9 mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 07/31/21 10:20 08/01/21 19:30 Total TPH 07/31/21 10:20 08/01/21 19:30 <49.9 U 49.9 mg/Kg Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 83 70 - 130 07/31/21 10:20 08/01/21 19:30

Method: 300.0 - Anions, Ion Chro	matography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	982	4.97	mg/Kg			07/31/21 20:07	1

70 - 130

92

Client Sample ID: AH-5 (3-3.5')

Date Collected: 07/29/21 00:00

Lab Sample ID: 880-4538-14

Matrix: Solid

Date Received: 07/30/21 13:15

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/30/21 14:05	08/02/21 01:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/30/21 14:05	08/02/21 01:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/30/21 14:05	08/02/21 01:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/30/21 14:05	08/02/21 01:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/30/21 14:05	08/02/21 01:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/30/21 14:05	08/02/21 01:35	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		07/30/21 14:05	08/02/21 01:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				07/30/21 14:05	08/02/21 01:35	1
1,4-Difluorobenzene (Surr)	97		70 - 130				07/30/21 14:05	08/02/21 01:35	1
Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		07/31/21 10:20	08/01/21 19:51	1

Client: Tetra Tech, Inc. Job ID: 880-4538-1 Project/Site: Heart Throb SDG: Lea County, New Mexico

Client Sample ID: AH-5 (3-3.5')

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15 Lab Sample ID: 880-4538-14

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		07/31/21 10:20	08/01/21 19:51	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/31/21 10:20	08/01/21 19:51	1
Total TPH	<49.9	U	49.9		mg/Kg		07/31/21 10:20	08/01/21 19:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				07/31/21 10:20	08/01/21 19:51	1
o-Terphenyl	103		70 ₋ 130				07/31/21 10:20	08/01/21 19:51	1

Analyte Result Qualifier RL MDL Unit Dil Fac D Prepared Analyzed 24.8 07/31/21 20:24 Chloride 1480 mg/Kg

Client Sample ID: AH-5 (4-4.5')

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15 Lab Sample ID: 880-4538-15

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/02/21 01:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/02/21 01:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/02/21 01:56	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/30/21 14:05	08/02/21 01:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/02/21 01:56	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/30/21 14:05	08/02/21 01:56	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		07/30/21 14:05	08/02/21 01:56	1
Surrogate	%Recovery	Qualifier	l imits				Prenared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	07/30/21 14:05	08/02/21 01:56	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/30/21 14:05	08/02/21 01:56	1

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

,								
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<49.9	U	49.9		mg/Kg		07/31/21 10:21	08/01/21 20:12	1
<49.9	U	49.9		mg/Kg		07/31/21 10:21	08/01/21 20:12	1
<49.9	U	49.9		mg/Kg		07/31/21 10:21	08/01/21 20:12	1
<49.9	U	49.9		mg/Kg		07/31/21 10:21	08/01/21 20:12	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
85		70 - 130				07/31/21 10:21	08/01/21 20:12	1
93		70 - 130				07/31/21 10:21	08/01/21 20:12	1
	Result		Result Qualifier RL <49.9	Result Qualifier RL MDL <49.9	Result Qualifier RL MDL Unit <49.9	Result Qualifier RL MDL Unit D <49.9	Result Qualifier RL MDL Unit D Prepared <49.9	Result Qualifier RL MDL Unit D Prepared Analyzed <49.9

Method: 300.0 - Anions, Ion Chrom	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2860	25.2	mg/Kg			07/31/21 20:29	5

Client: Tetra Tech, Inc. Job ID: 880-4538-1 Project/Site: Heart Throb SDG: Lea County, New Mexico

Client Sample ID: AH-6 (0-1')

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15

1-Chlorooctane

Date Received: 07/30/21 13:15

o-Terphenyl

Lab Sample ID: 880-4538-16

Matrix: Solid

)	Prepared	Analyzed	Dil Fac
_	07/30/21 14:05	08/02/21 02:16	

07/31/21 10:21

07/31/21 10:21

08/01/21 20:34

08/01/21 20:34

Method: 8021B - Volatile C	•					_	_		
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/02/21 02:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/02/21 02:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/02/21 02:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/30/21 14:05	08/02/21 02:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/02/21 02:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/30/21 14:05	08/02/21 02:16	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		07/30/21 14:05	08/02/21 02:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101	70 - 130	07/30/21 14:05	08/02/21 02:16	1
1,4-Difluorobenzene (Surr)	105	70 - 130	07/30/21 14:05	08/02/21 02:16	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/31/21 10:21	08/01/21 20:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/31/21 10:21	08/01/21 20:34	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/31/21 10:21	08/01/21 20:34	1
Total TPH	<50.0	U	50.0		mg/Kg		07/31/21 10:21	08/01/21 20:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Method: 300.0 - Anions, Ion Chro	matography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3070	24.9	ma/Ka			07/31/21 20:34	

70 - 130

70 - 130

82

90

Client Sample ID: AH-6 (1-1.5') Lab Sample ID: 880-4538-17 Date Collected: 07/29/21 00:00 **Matrix: Solid**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/02/21 02:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/02/21 02:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/02/21 02:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/30/21 14:05	08/02/21 02:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/02/21 02:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/30/21 14:05	08/02/21 02:37	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		07/30/21 14:05	08/02/21 02:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				07/30/21 14:05	08/02/21 02:37	1
1,4-Difluorobenzene (Surr)	91		70 - 130				07/30/21 14:05	08/02/21 02:37	1

	Method: 8015B NM - Diesel Range	Organics (DI	RO) (GC)							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics	<50.0	U	50.0		mg/Kg		07/31/21 10:21	08/01/21 20:54	1
١	(GRO)-C6-C10									

Client: Tetra Tech, Inc. Job ID: 880-4538-1 Project/Site: Heart Throb SDG: Lea County, New Mexico

Client Sample ID: AH-6 (1-1.5')

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15 Lab Sample ID: 880-4538-17

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		07/31/21 10:21	08/01/21 20:54	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/31/21 10:21	08/01/21 20:54	1
Total TPH	<50.0	U	50.0		mg/Kg		07/31/21 10:21	08/01/21 20:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				07/31/21 10:21	08/01/21 20:54	1
o-Terphenyl	92		70 ₋ 130				07/31/21 10:21	08/01/21 20:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier RL MDL Unit Analyte D Prepared Analyzed 24.8 08/02/21 09:17 Chloride 2450 mg/Kg

Client Sample ID: AH-6 (2-2.5')

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15

Lab Sample ID: 880-4538-18

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/30/21 14:05	08/02/21 02:57	1
Toluene	< 0.00199	U	0.00199		mg/Kg		07/30/21 14:05	08/02/21 02:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/30/21 14:05	08/02/21 02:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/30/21 14:05	08/02/21 02:57	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		07/30/21 14:05	08/02/21 02:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/30/21 14:05	08/02/21 02:57	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		07/30/21 14:05	08/02/21 02:57	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121	70 - 130	07/30/21 14:05	08/02/21 02:57	1
1,4-Difluorobenzene (Surr)	98	70 - 130	07/30/21 14:05	08/02/21 02:57	1

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

Method: 8015B NM - Diesei Rang	ge Organics (D	RO) (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		07/31/21 10:21	08/01/21 21:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/31/21 10:21	08/01/21 21:15	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/31/21 10:21	08/01/21 21:15	1
Total TPH	<49.9	U	49.9		mg/Kg		07/31/21 10:21	08/01/21 21:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				07/31/21 10:21	08/01/21 21:15	1
o-Terphenyl	92		70 - 130				07/31/21 10:21	08/01/21 21:15	1

Method: 300.0 - Anions, Ion Chrom	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	805	4.99	mg/Kg			08/02/21 09:33	1

Client: Tetra Tech, Inc. Job ID: 880-4538-1 Project/Site: Heart Throb SDG: Lea County, New Mexico

Client Sample ID: AH-6 (3-3.5')

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15 Lab Sample ID: 880-4538-19

07/31/21 10:21

08/01/21 21:36

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/02/21 03:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/02/21 03:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/02/21 03:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/30/21 14:05	08/02/21 03:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/02/21 03:18	1
Xylenes, Total	< 0.00399	U	0.00399		mg/Kg		07/30/21 14:05	08/02/21 03:18	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		07/30/21 14:05	08/02/21 03:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130	-	70 - 130				07/30/21 14:05	08/02/21 03:18	1
1,4-Difluorobenzene (Surr)	92		70 - 130				07/30/21 14:05	08/02/21 03:18	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac <50.0 U Gasoline Range Organics 50.0 mg/Kg 07/31/21 10:21 08/01/21 21:36 (GRO)-C6-C10 Diesel Range Organics (Over 07/31/21 10:21 08/01/21 21:36 <50.0 U 50.0 mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 07/31/21 10:21 08/01/21 21:36 Total TPH 07/31/21 10:21 08/01/21 21:36 <50.0 U 50.0 mg/Kg Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 70 - 130 07/31/21 10:21 08/01/21 21:36

Method: 300.0 - Anions, Ion Chrom	natography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	543		4.97		mg/Kg			08/02/21 09:38	1

70 - 130

85

94

Client Sample ID: AH-6 (4-4.5') Lab Sample ID: 880-4538-20 Date Collected: 07/29/21 00:00 **Matrix: Solid**

Date Received: 07/30/21 13:15

1-Chlorooctane

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/30/21 14:05	08/02/21 03:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/30/21 14:05	08/02/21 03:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/30/21 14:05	08/02/21 03:38	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/30/21 14:05	08/02/21 03:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/30/21 14:05	08/02/21 03:38	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/30/21 14:05	08/02/21 03:38	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		07/30/21 14:05	08/02/21 03:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				07/30/21 14:05	08/02/21 03:38	1
1,4-Difluorobenzene (Surr)	90		70 - 130				07/30/21 14:05	08/02/21 03:38	1
Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	П	50.0		mg/Kg		07/31/21 10:21	08/01/21 21:57	

Eurofins Xenco, Midland

(GRO)-C6-C10

Client: Tetra Tech, Inc. Job ID: 880-4538-1 Project/Site: Heart Throb SDG: Lea County, New Mexico

Client Sample ID: AH-6 (4-4.5')

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15 Lab Sample ID: 880-4538-20

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		07/31/21 10:21	08/01/21 21:57	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/31/21 10:21	08/01/21 21:57	1
Total TPH	<50.0	U	50.0		mg/Kg		07/31/21 10:21	08/01/21 21:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				07/31/21 10:21	08/01/21 21:57	1
o-Terphenyl	95		70 - 130				07/31/21 10:21	08/01/21 21:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit Prepared Dil Fac D Analyzed 4.98 08/02/21 09:43 Chloride 165 mg/Kg

Client Sample ID: H-1

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15 Lab Sample ID: 880-4538-31

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/30/21 14:45	07/31/21 22:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/30/21 14:45	07/31/21 22:27	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		07/30/21 14:45	07/31/21 22:27	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		07/30/21 14:45	07/31/21 22:27	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		07/30/21 14:45	07/31/21 22:27	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		07/30/21 14:45	07/31/21 22:27	1
Total BTEX	<0.00398	U F1	0.00398		mg/Kg		07/30/21 14:45	07/31/21 22:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				07/30/21 14:45	07/31/21 22:27	1
1,4-Difluorobenzene (Surr)	105		70 - 130				07/30/21 14:45	07/31/21 22:27	1
- Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (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		07/31/21 10:49	08/01/21 14:15	1
Diesel Range Organics (Over	55.3		50.0		mg/Kg		07/31/21 10:49	08/01/21 14:15	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/31/21 10:49	08/01/21 14:15	1
Total TPH	55.3		50.0		mg/Kg		07/31/21 10:49	08/01/21 14:15	1
Surrogata	% Bassyon,		Limita				Branarad	Analyzad	Dil Ess

Diesel Range Organics (Over C10-C28)	55.3		50.0	mg/Kg	07/31/21 10:49	08/01/21 14:15	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg	07/31/21 10:49	08/01/21 14:15	1
Total TPH	55.3		50.0	mg/Kg	07/31/21 10:49	08/01/21 14:15	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130		07/31/21 10:49	08/01/21 14:15	1

Method: 300.0 - Anions, ion Chrom	iatograpny - a	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.2		5.04		mg/Kg			08/02/21 09:49	1

Method: 8021B - Volatile Organic Compounds (GC)

Method: 300.0 - Anions, Ion Chromatography - Soluble

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-4538-1 Project/Site: Heart Throb SDG: Lea County, New Mexico

Client Sample ID: H-2

Lab Sample ID: 880-4538-32

Date Collected: 07/29/21 00:00 Matrix: Solid Date Received: 07/30/21 13:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:45	07/31/21 22:47	
Toluene	0.00324		0.00200		mg/Kg		07/30/21 14:45	07/31/21 22:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:45	07/31/21 22:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/30/21 14:45	07/31/21 22:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:45	07/31/21 22:47	1
Xylenes, Total	< 0.00399	U	0.00399		mg/Kg		07/30/21 14:45	07/31/21 22:47	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		07/30/21 14:45	07/31/21 22:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
			70 - 130				07/30/21 14:45	07/31/21 22:47	1
4-Bromofluorobenzene (Surr)	96		70 - 700						
1,4-Difluorobenzene (Surr)	94	PO) (GC)	70 - 130				07/30/21 14:45	07/31/21 22:47	1
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang	94 ge Organics (DI		70 - 130	MDL	Unit	D			·
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte	94 ge Organics (DI	Qualifier	70 - 130 RL	MDL	Unit ma/Ka	<u>D</u>	07/30/21 14:45 Prepared 07/31/21 10:49	07/31/21 22:47 Analyzed 08/01/21 15:19	
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang	ge Organics (DI Result	Qualifier	70 - 130	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed	
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	ge Organics (DI Result	Qualifier U	70 - 130 RL	MDL		<u>D</u>	Prepared	Analyzed	·
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	ge Organics (DI Result <49.9	Qualifier U	70 - 130 RL 49.9	MDL	mg/Kg	<u>D</u>	Prepared 07/31/21 10:49	Analyzed 08/01/21 15:19	Dil Fac
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ge Organics (DI Result <49.9	Qualifier U	70 - 130 RL 49.9	MDL	mg/Kg	<u>D</u>	Prepared 07/31/21 10:49	Analyzed 08/01/21 15:19	
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	ge Organics (DI Result <49.9	Qualifier U U U	70 - 130 RL 49.9	MDL	mg/Kg mg/Kg	<u>D</u>	Prepared 07/31/21 10:49 07/31/21 10:49	Analyzed 08/01/21 15:19 08/01/21 15:19	Dil Fac
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	94 ge Organics (DI Result <49.9 <49.9	Qualifier U U U U	70 - 130 RL 49.9 49.9 49.9	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 07/31/21 10:49 07/31/21 10:49 07/31/21 10:49	Analyzed 08/01/21 15:19 08/01/21 15:19 08/01/21 15:19	
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	94 ge Organics (Di Result <49.9 <49.9 <49.9 <49.9	Qualifier U U U U	70 - 130 RL 49.9 49.9 49.9 49.9	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 07/31/21 10:49 07/31/21 10:49 07/31/21 10:49 07/31/21 10:49	Analyzed 08/01/21 15:19 08/01/21 15:19 08/01/21 15:19 08/01/21 15:19	Dil Fac 1 1

4.98 Chloride 18.5 mg/Kg 08/02/21 10:05 **Client Sample ID: H-3** Lab Sample ID: 880-4538-33 Date Collected: 07/29/21 00:00

RL

MDL Unit

D

Prepared

Result Qualifier

Date Received: 07/30/21 13:15

Analyte

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:45	07/31/21 23:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:45	07/31/21 23:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:45	07/31/21 23:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/30/21 14:45	07/31/21 23:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:45	07/31/21 23:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/30/21 14:45	07/31/21 23:08	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		07/30/21 14:45	07/31/21 23:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				07/30/21 14:45	07/31/21 23:08	1
1,4-Difluorobenzene (Surr)	75		70 - 130				07/30/21 14:45	07/31/21 23:08	1
Method: 8015B NM - Diesel Ra	ange Organics (D	RO) (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		07/31/21 10:49	08/01/21 15:40	1

Eurofins Xenco, Midland

Matrix: Solid

Analyzed

Dil Fac

Client: Tetra Tech, Inc. Job ID: 880-4538-1 Project/Site: Heart Throb SDG: Lea County, New Mexico

Client Sample ID: H-3

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15 Lab Sample ID: 880-4538-33

Matrix: Solid

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC) (C	ontinued)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/31/21 10:49	08/01/21 15:40	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/31/21 10:49	08/01/21 15:40	1
Total TPH	<50.0	U	50.0		mg/Kg		07/31/21 10:49	08/01/21 15:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				07/31/21 10:49	08/01/21 15:40	1
o-Terphenyl	107		70 - 130				07/31/21 10:49	08/01/21 15:40	1

Method: 300.0 - Anions, Ion Chrom	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.53	4.95	mg/Kg			08/02/21 10:10	1

Client Sample ID: H-4 Lab Sample ID: 880-4538-34 Date Collected: 07/29/21 00:00

Date Received: 07/30/21 13:15

Matrix: Solid

Method: 8021B - Volatile Orga	anic Compounds (C	GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/30/21 14:45	07/31/21 23:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/30/21 14:45	07/31/21 23:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/30/21 14:45	07/31/21 23:28	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/30/21 14:45	07/31/21 23:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/30/21 14:45	07/31/21 23:28	1
Xylenes, Total	< 0.00403	U	0.00403		mg/Kg		07/30/21 14:45	07/31/21 23:28	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		07/30/21 14:45	07/31/21 23:28	1

Surrogate	%Recovery Qualifier	Limits	Prepared Analyzed Dil Fac
4-Bromofluorobenzene (Surr)	116	70 - 130	07/30/21 14:45 07/31/21 23:28 1
1,4-Difluorobenzene (Surr)	96	70 - 130	07/30/21 14:45

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

Method. 00 13D MM - Diesel Kang	je Organica (D	(GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		07/31/21 10:49	08/01/21 16:01	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		07/31/21 10:49	08/01/21 16:01	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/31/21 10:49	08/01/21 16:01	1
Total TPH	<50.0	U	50.0		mg/Kg		07/31/21 10:49	08/01/21 16:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				07/31/21 10:49	08/01/21 16:01	1
o-Terphenyl	114		70 - 130				07/31/21 10:49	08/01/21 16:01	1

Method: 300.0 - Anions, Ion Chrom	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.20	5.02	mg/Kg			08/02/21 10:16	1

Client: Tetra Tech, Inc.

Job ID: 880-4538-1

Project/Site: Heart Throb

SDG: Lea County, New Mexico

Client Sample ID: H-5

o-Terphenyl

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15 Lab Sample ID: 880-4538-35

Matrix: Solid

6

8

10

11

13

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/30/21 14:45	07/31/21 23:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/30/21 14:45	07/31/21 23:48	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/30/21 14:45	07/31/21 23:48	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/30/21 14:45	07/31/21 23:48	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/30/21 14:45	07/31/21 23:48	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/30/21 14:45	07/31/21 23:48	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		07/30/21 14:45	07/31/21 23:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				07/30/21 14:45	07/31/21 23:48	1
1,4-Difluorobenzene (Surr)	97		70 - 130				07/30/21 14:45	07/31/21 23:48	1

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		07/31/21 10:49	08/01/21 16:22	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		07/31/21 10:49	08/01/21 16:22	•
C10-C28)									
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/31/21 10:49	08/01/21 16:22	•
Total TPH	<49.8	U	49.8		mg/Kg		07/31/21 10:49	08/01/21 16:22	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				07/31/21 10:49	08/01/21 16:22	

Method: 300.0 - Anions, Ion Chroi	matography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.99	4.97	ma/Ka			08/02/21 10:21	1

70 - 130

Client Sample ID: H-6

Date Collected: 07/29/21 00:00

Lab Sample ID: 880-4538-36

Matrix: Solid

Date Received: 07/30/21 13:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:45	08/01/21 00:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:45	08/01/21 00:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:45	08/01/21 00:09	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/30/21 14:45	08/01/21 00:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:45	08/01/21 00:09	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/30/21 14:45	08/01/21 00:09	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		07/30/21 14:45	08/01/21 00:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				07/30/21 14:45	08/01/21 00:09	1
1,4-Difluorobenzene (Surr)	91		70 - 130				07/30/21 14:45	08/01/21 00:09	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)											
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics	<49.7	U	49.7		mg/Kg		07/31/21 10:49	08/01/21 16:43	1		
(GRO)-C6-C10											

Job ID: 880-4538-1

SDG: Lea County, New Mexico

Client Sample ID: H-6

Client: Tetra Tech, Inc.

Project/Site: Heart Throb

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15 Lab Sample ID: 880-4538-36

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.7	U	49.7		mg/Kg		07/31/21 10:49	08/01/21 16:43	1
C10-C28) OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/31/21 10:49	08/01/21 16:43	1
Total TPH	<49.7	U	49.7		mg/Kg		07/31/21 10:49	08/01/21 16:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				07/31/21 10:49	08/01/21 16:43	1
o-Terphenyl	114		70 - 130				07/31/21 10:49	08/01/21 16:43	1

Chloride 27.5 4.98 mg/Kg 08/02/21 10:27 Client Sample ID: H-7

Date Collected: 07/29/21 00:00

Lab Sample ID: 880-4538-37

Matrix: Solid

Date Received: 07/30/21 13:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:45	08/01/21 00:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:45	08/01/21 00:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:45	08/01/21 00:29	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/30/21 14:45	08/01/21 00:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:45	08/01/21 00:29	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/30/21 14:45	08/01/21 00:29	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		07/30/21 14:45	08/01/21 00:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				07/30/21 14:45	08/01/21 00:29	1
1,4-Difluorobenzene (Surr)	88		70 - 130				07/30/21 14:45	08/01/21 00:29	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		07/31/21 10:49	08/01/21 17:04	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		07/31/21 10:49	08/01/21 17:04	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/31/21 10:49	08/01/21 17:04	1
Total TPH	<49.9	U	49.9		mg/Kg		07/31/21 10:49	08/01/21 17:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				07/31/21 10:49	08/01/21 17:04	1
o-Terphenyl	107		70 ₋ 130				07/31/21 10:49	08/01/21 17:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac			
Chloride	523	5.05	mg/Kg			07/30/21 20:06	1			

Client: Tetra Tech, Inc.

Job ID: 880-4538-1

Project/Site: Heart Throb

SDG: Lea County, New Mexico

Client Sample ID: H-8

Date Collected: 07/29/21 00:00

Lab Sample ID: 880-4538-38

Matrix: Solid

	c Compounds (•							
Analyte		Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil Fac
Benzene	<0.00200		0.00200		mg/Kg		07/30/21 14:45	08/01/21 00:50	1
Toluene	<0.00200		0.00200		mg/Kg		07/30/21 14:45	08/01/21 00:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:45	08/01/21 00:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/30/21 14:45	08/01/21 00:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:45	08/01/21 00:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/30/21 14:45	08/01/21 00:50	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		07/30/21 14:45	08/01/21 00:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				07/30/21 14:45	08/01/21 00:50	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130				07/30/21 14:45	08/01/21 00:50	1
Analyte	•	Qualifier	RL	MDI	Unit	D	Duamanad		
Method: 8015B NM - Diesel Ranç Analyte	•		DI	MDI	Unit	n	Duamanad		
Gasoline Range Organics				MIDE			Prepared 07/31/21 10:49	Analyzed 08/01/21 17:25	Dil Fac
(GRO)-C6-C10	<50.0	U	50.0	WIDE	mg/Kg		07/31/21 10:49	08/01/21 17:25	1
(GRO)-C6-C10 Diesel Range Organics (Over		U		MIDE					Dil Fac
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	MDL	mg/Kg		07/31/21 10:49	08/01/21 17:25	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)	<50.0 <50.0	u u	50.0	MDL	mg/Kg		07/31/21 10:49 07/31/21 10:49	08/01/21 17:25 08/01/21 17:25	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	<50.0 <50.0 <50.0	U U U	50.0 50.0 50.0	WIDL	mg/Kg mg/Kg mg/Kg	<u>b</u>	07/31/21 10:49 07/31/21 10:49 07/31/21 10:49	08/01/21 17:25 08/01/21 17:25 08/01/21 17:25	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	<50.0 <50.0 <50.0 <50.0	U U U	50.0 50.0 50.0 50.0	WIDL	mg/Kg mg/Kg mg/Kg	<u>b</u>	07/31/21 10:49 07/31/21 10:49 07/31/21 10:49 07/31/21 10:49	08/01/21 17:25 08/01/21 17:25 08/01/21 17:25 08/01/21 17:25	1 1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	<50.0 <50.0 <50.0 <50.0 %Recovery	U U U	50.0 50.0 50.0 50.0 <i>Limits</i>	WDL	mg/Kg mg/Kg mg/Kg		07/31/21 10:49 07/31/21 10:49 07/31/21 10:49 07/31/21 10:49 Prepared	08/01/21 17:25 08/01/21 17:25 08/01/21 17:25 08/01/21 17:25 Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chro	<50.0 <50.0 <50.0 <50.0 %Recovery 109 122	U U U U Qualifier	50.0 50.0 50.0 50.0 <i>Limits</i> 70 - 130	MDL	mg/Kg mg/Kg mg/Kg	<u>u</u>	07/31/21 10:49 07/31/21 10:49 07/31/21 10:49 07/31/21 10:49 Prepared 07/31/21 10:49	08/01/21 17:25 08/01/21 17:25 08/01/21 17:25 08/01/21 17:25 08/01/21 17:25 Analyzed 08/01/21 17:25	1 1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	<50.0 <50.0 <50.0 <50.0 <50.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0 <70.0	U U U U Qualifier	50.0 50.0 50.0 50.0 <i>Limits</i> 70 - 130	MDL	mg/Kg mg/Kg mg/Kg mg/Kg	<u>b</u>	07/31/21 10:49 07/31/21 10:49 07/31/21 10:49 07/31/21 10:49 Prepared 07/31/21 10:49	08/01/21 17:25 08/01/21 17:25 08/01/21 17:25 08/01/21 17:25 08/01/21 17:25 Analyzed 08/01/21 17:25	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Released to Imaging: 10/15/2021 9:03:08 AM

Surrogate Summary

Client: Tetra Tech, Inc.

Job ID: 880-4538-1

Project/Site: Heart Throb

SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

			P	erc	ercent Surrogat	ercent Surrogate Recovery	ercent Surrogate Recovery (Accepta
	BFB1	DFBZ1					-
Client Sample ID	(70-130)	(70-130))				
AH-1 (0-1')	116	94	_				
AH-1 (0-1')	112	107					
AH-1 (0-1')	120	101					
AH-1 (1-1.5')	104	96					
	115	99					
,	115	93					
, ,							
, ,							
	121	98					
AH-6 (3-3.5')	130	92					
AH-6 (4-4.5')	117	90					
H-1	127	105					
H-1	118	107					
H-1	116	111					
H-2	96	94					
H-3	112	75					
H-4	116	96					
H-5	107	97					
H-6	112	91					
H-7	119	88					
H-8	117	69 S1-					
Lab Control Sample	112	103					
·							
	AH-1 (0-1') AH-1 (0-1') AH-1 (0-1') AH-1 (0-1') AH-2 (0-1') AH-3 (0-1') AH-3 (0-1') AH-3 (1-1.5') AH-4 (0-1') AH-4 (1-1.5') AH-4 (2-2.5') AH-4 (3-3.5') AH-4 (4-4.5') AH-5 (1-1.5') AH-5 (2-2.5') AH-6 (3-3.5') AH-6 (0-1') AH-6 (1-1.5') AH-6 (2-2.5') AH-6 (3-3.5') AH-1 (1-1.5') AH-1 (1-1.5') AH-2 (1-1.5') AH-3 (1-1.5') AH-3 (1-1.5') AH-4 (1-1.5') AH-5 (1-1.5') AH-6 (1-1.5') AH-7 H-8	Client Sample ID (70-130) AH-1 (0-1') 116 AH-1 (0-1') 112 AH-1 (1-1.5') 104 AH-2 (0-1') 115 AH-3 (0-1') 115 AH-3 (1-1.5') 116 AH-4 (0-1') 117 AH-4 (1-1.5') 101 AH-4 (2-2.5') 110 AH-4 (3-3.5') 115 AH-4 (4-4.5') 103 AH-5 (0-1') 110 AH-5 (1-1.5') 116 AH-5 (2-2.5') 109 AH-5 (3-3.5') 119 AH-6 (0-1') 101 AH-6 (1-1.5') 115 AH-6 (2-2.5') 121 AH-6 (3-3.5') 130 AH-6 (4-4.5') 117 H-1 116 H-2 96 H-3 112 H-4 116 H-5 107 H-6 112 H-7 119 H-8 117 Lab Control Sample 117 </td <td>Client Sample ID (70-130) (70-130) AH-1 (0-1') 116 94 AH-1 (0-1') 112 107 AH-1 (0-1') 120 101 AH-1 (0-1') 120 101 AH-1 (1-1.5') 104 96 AH-2 (0-1') 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Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 880-4538-1 Project/Site: Heart Throb SDG: Lea County, New Mexico

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1001	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-4538-1	AH-1 (0-1')	90	101	
880-4538-1 MS	AH-1 (0-1')	83	86	
880-4538-1 MSD	AH-1 (0-1')	85	88	
880-4538-2	AH-1 (1-1.5')	87	99	
880-4538-3	AH-2 (0-1')	86	94	
880-4538-4	AH-3 (0-1')	84	89	
880-4538-5	AH-3 (1-1.5')	86	92	
880-4538-6	AH-4 (0-1')	85	95	
880-4538-7	AH-4 (1-1.5')	86	94	
880-4538-8	AH-4 (2-2.5')	89	97	
880-4538-9	AH-4 (3-3.5')	86	91	
880-4538-10	AH-4 (4-4.5')	88	96	
880-4538-11	AH-5 (0-1')	89	97	
880-4538-12	AH-5 (1-1.5')	88	95	
880-4538-13	AH-5 (2-2.5')	83	92	
880-4538-14	AH-5 (3-3.5')	94	103	
880-4538-15	AH-5 (4-4.5')	85	93	
880-4538-16	AH-6 (0-1')	82	90	
880-4538-17	AH-6 (1-1.5')	86	92	
880-4538-18	AH-6 (2-2.5')	85	92	
880-4538-19	AH-6 (3-3.5')	85	94	
880-4538-20	AH-6 (4-4.5')	85	95	
880-4538-31	H-1	108	117	
880-4538-31 MS	H-1	99	92	
880-4538-31 MSD	H-1	99	93	
880-4538-32	H-2	103	107	
880-4538-33	H-3	103	107	
880-4538-34	H-4	107	114	
880-4538-35	H-5	89	97	
880-4538-36	H-6	101	114	
880-4538-37	H-7	94	107	
880-4538-38	H-8	109	122	
LCS 880-5921/2-A	Lab Control Sample	90	103	
LCS 880-5924/2-A	Lab Control Sample	100	107	
LCSD 880-5921/3-A	Lab Control Sample Dup	96	107	
LCSD 880-5924/3-A	Lab Control Sample Dup	108	115	
MB 880-5921/1-A	Method Blank	82	97	
MB 880-5924/1-A	Method Blank	92	111	
		-		

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Prep Batch: 5842

Client: Tetra Tech, Inc. Job ID: 880-4538-1 SDG: Lea County, New Mexico Project/Site: Heart Throb

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-5842/5-A Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 5858

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/29/21 16:50	07/31/21 11:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/29/21 16:50	07/31/21 11:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/29/21 16:50	07/31/21 11:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/29/21 16:50	07/31/21 11:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/29/21 16:50	07/31/21 11:13	1
Xylenes, Total	< 0.00400	U	0.00400		mg/Kg		07/29/21 16:50	07/31/21 11:13	1
Total BTEX	<0.00400	U	0.00400		ma/Ka		07/29/21 16:50	07/31/21 11:13	1

MB MB Surrogate %Recovery Qualifier Prepared Analyzed Dil Fac 70 - 130 07/29/21 16:50 07/31/21 11:13 4-Bromofluorobenzene (Surr) 110 70 - 130 1,4-Difluorobenzene (Surr) 94 07/29/21 16:50 07/31/21 11:13

Lab Sample ID: MB 880-5858/137 Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 5858

	MB	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg			08/01/21 08:56	1
Toluene	<0.00200	U	0.00200		mg/Kg			08/01/21 08:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			08/01/21 08:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			08/01/21 08:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			08/01/21 08:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			08/01/21 08:56	1
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/01/21 08:56	1

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Surrogate	%Recovery Qualifie	er Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100	70 - 130		08/01/21 08:56	1
1,4-Difluorobenzene (Surr)	92	70 - 130		08/01/21 08:56	1

Lab Sample ID: MB 880-5891/5-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 5858 Prep Batch: 5891

	MB	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/01/21 19:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/01/21 19:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/01/21 19:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/30/21 14:05	08/01/21 19:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/30/21 14:05	08/01/21 19:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/30/21 14:05	08/01/21 19:47	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		07/30/21 14:05	08/01/21 19:47	1

	MB MB				
Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130	70 - 130	07/30/21 14:05	08/01/21 19:47	1
1,4-Difluorobenzene (Surr)	92	70 - 130	07/30/21 14:05	08/01/21 19:47	1

Client: Tetra Tech, Inc. Job ID: 880-4538-1 Project/Site: Heart Throb SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-5891/1-A

Matrix: Solid Analysis Batch: 5858 **Client Sample ID: Lab Control Sample**

Prep Type: Total/NA Prep Batch: 5891

Spike LCS LCS Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1013 mg/Kg 101 70 - 130 Toluene 0.100 0.09520 mg/Kg 95 70 - 130 0.100 Ethylbenzene 0.09106 mg/Kg 91 70 - 130 0.200 0.1854 70 - 130 m-Xylene & p-Xylene mg/Kg 93 0.100 o-Xylene 0.09296 mg/Kg 70 - 130

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1.4-Difluorobenzene (Surr)	103		70 ₋ 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 5891

Lab Sample ID: LCSD 880-5891/2-A **Matrix: Solid**

Analysis Batch: 5858

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1024		mg/Kg		102	70 - 130	1	35
Toluene	0.100	0.09632		mg/Kg		96	70 - 130	1	35
Ethylbenzene	0.100	0.09533		mg/Kg		95	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1941		mg/Kg		97	70 - 130	5	35
o-Xylene	0.100	0.09746		mg/Kg		97	70 - 130	5	35

LCSD LCSD

Surrogate	%Recovery Qualifie	r Limits
4-Bromofluorobenzene (Surr)	109	70 - 130
1,4-Difluorobenzene (Surr)	101	70 - 130

Lab Sample ID: 880-4538-1 MS

Analysis Batch: 5858

Matrix: Solid

Client Sample ID: AH-1 (0-1') Prep Type: Total/NA Prep Batch: 5891

Sample	Sample	Spike	MS	MS				%Rec.	
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
<0.00202	U	0.0998	0.08816		mg/Kg		88	70 - 130	
<0.00202	U	0.0998	0.07097		mg/Kg		70	70 - 130	
<0.00202	U F1	0.0998	0.06154	F1	mg/Kg		62	70 - 130	
<0.00403	U F1	0.200	0.1120	F1	mg/Kg		56	70 - 130	
<0.00202	U F1	0.0998	0.06378	F1	mg/Kg		64	70 - 130	
	Result <0.00202 <0.00202 <0.00202 <0.00202 <0.00403	Sample Sample	Result Qualifier Added <0.00202	Result Qualifier Added Result <0.00202	Result Qualifier Added Result Qualifier <0.00202	Result Qualifier Added Result Qualifier Unit <0.00202	Result Qualifier Added Result Qualifier Unit D <0.00202	Result Qualifier Added Result Qualifier Unit D %Rec <0.00202	Result Qualifier Added Result Qualifier Unit D %Rec Limits <0.00202

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	112	70 - 130
1,4-Difluorobenzene (Surr)	107	70 - 130

Lab Sample ID: 880-4538-1 MSD Client Sample ID: AH-1 (0-1')

Analysis Batch: 5858

Matrix: Solid Prep Type: Total/NA

Prep Batch: 5891

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	<0.00202	U	0.101	0.09176		mg/Kg		91	70 - 130	4	35	
Toluene	<0.00202	U	0.101	0.08339		mg/Kg		82	70 - 130	16	35	
Ethylbenzene	<0.00202	U F1	0.101	0.07976		mg/Kg		79	70 - 130	26	35	

Eurofins Xenco, Midland

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Client: Tetra Tech, Inc. Job ID: 880-4538-1 SDG: Lea County, New Mexico Project/Site: Heart Throb

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

Lab Sample ID: 880-4538-1 MSD

Matrix: Solid

Analysis Batch: 5858

Client Sample ID: AH-1 (0-1')

Prep Type: Total/NA Prep Batch: 5891

Sample Sample Spike MSD MSD %Rec. RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit m-Xylene & p-Xylene <0.00403 U F1 0.202 0.1527 75 70 - 130 31 35 mg/Kg o-Xylene <0.00202 UF1 0.101 0.08388 mg/Kg 83 70 - 130 27

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-5892/5-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 5858

Prep Type: Total/NA

Prep Batch: 5892

	MR MR						
Analyte	Result Qualif	ier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200 U	0.00200	mg/Kg		07/30/21 14:45	07/31/21 22:05	1
Toluene	<0.00200 U	0.00200	mg/Kg		07/30/21 14:45	07/31/21 22:05	1
Ethylbenzene	<0.00200 U	0.00200	mg/Kg		07/30/21 14:45	07/31/21 22:05	1
m-Xylene & p-Xylene	<0.00400 U	0.00400	mg/Kg		07/30/21 14:45	07/31/21 22:05	1
o-Xylene	<0.00200 U	0.00200	mg/Kg		07/30/21 14:45	07/31/21 22:05	1
Xylenes, Total	<0.00400 U	0.00400	mg/Kg		07/30/21 14:45	07/31/21 22:05	1
Total BTEX	<0.00400 U	0.00400	ma/Ka		07/30/21 14:45	07/31/21 22:05	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	07/30/21 14:45	07/31/21 22:05	1
1 4-Difluorobenzene (Surr)	92		70 - 130	07/30/21 14:45	07/31/21 22:05	1

Lab Sample ID: LCS 880-5892/1-A

Matrix: Solid

Analysis Batch: 5858

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 5892

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1135		mg/Kg		113	70 - 130	
Toluene	0.100	0.1101		mg/Kg		110	70 - 130	
Ethylbenzene	0.100	0.09776		mg/Kg		98	70 - 130	
m-Xylene & p-Xylene	0.200	0.2011		mg/Kg		101	70 - 130	
o-Xylene	0.100	0.09267		mg/Kg		93	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	117	70 - 130
1,4-Difluorobenzene (Surr)	109	70 - 130

Lab Sample ID: LCSD 880-5892/2-A

Matrix: Solid

Analysis Batch: 5858

Cliant	Cample	ID: I	sh Can	tral Car	nple Dup
CHEIL	Sallible	ID. L	ID CUII	uu sai	lible bub

Prep Type: Total/NA

Prep Batch: 5892

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1155		mg/Kg		116	70 - 130	2	35
Toluene	0.100	0.1131		mg/Kg		113	70 - 130	3	35
Ethylbenzene	0.100	0.1031		mg/Kg		103	70 - 130	5	35
m-Xvlene & p-Xvlene	0.200	0.2118		ma/Ka		106	70 - 130	5	35

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QC Sample Results

Client: Tetra Tech, Inc. Job ID: 880-4538-1 Project/Site: Heart Throb SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-5892/2-A Client Sample ID: Lab Control Sam						l Sampl	e Dup		
Matrix: Solid						Prep T	ype: To	tal/NA	
Analysis Batch: 5858 Prep Batch: 58									: 5892
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
o-Xylene	0.100	0.1001		mg/Kg		100	70 - 130	8	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 _ 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-4538-31 MS Client Sample ID: H-1 **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 5858** Prep Batch: 5892

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.100	0.07484		mg/Kg		75	70 - 130	
Toluene	<0.00199	U	0.100	0.07205		mg/Kg		71	70 - 130	
Ethylbenzene	<0.00199	U F1	0.100	0.05820	F1	mg/Kg		58	70 - 130	
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1179	F1	mg/Kg		59	70 - 130	
o-Xylene	<0.00199	U F1	0.100	0.05426	F1	mg/Kg		54	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-4538-31 MSD Client Sample ID: H-1 **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 5858 Prep Batch: 5892

Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
<0.00199	U	0.0996	0.08776		mg/Kg		88	70 - 130	16	35
<0.00199	U	0.0996	0.08270		mg/Kg		82	70 - 130	14	35
<0.00199	U F1	0.0996	0.06933		mg/Kg		70	70 - 130	17	35
<0.00398	U F1	0.199	0.1423		mg/Kg		71	70 - 130	19	35
<0.00199	U F1	0.0996	0.07231		mg/Kg		73	70 - 130	29	35
MSD	MSD									
	Result <0.00199 <0.00199 <0.00199 <0.00398	Sample Sample Result Qualifier U	Result Qualifier Added <0.00199 U 0.0996 <0.00199 U 0.0996 <0.00199 U F1 0.0996 <0.00398 U F1 0.199 <0.00199 U F1 0.0996	Result Qualifier Added Result <0.00199 U 0.0996 0.08776 <0.00199 U 0.0996 0.08270 <0.00199 U F1 0.0996 0.06933 <0.00398 U F1 0.199 0.1423 <0.00199 U F1 0.0996 0.07231	Result Qualifier Added Result Qualifier <0.00199 U 0.0996 0.08776 <0.00199 U 0.0996 0.08270 <0.00199 U F1 0.0996 0.06933 <0.00398 U F1 0.199 0.1423 <0.00199 U F1 0.0996 0.07231	Result Qualifier Added Added Result Qualifier Unit <0.00199 U 0.0996 0.08776 mg/Kg <0.00199 U 0.0996 0.08270 mg/Kg <0.00199 U F1 0.0996 0.06933 mg/Kg <0.00398 U F1 0.199 0.1423 mg/Kg <0.00199 U F1 0.0996 0.07231 mg/Kg	Result Qualifier Added Result Qualifier Unit D <0.00199 U 0.0996 0.08776 mg/Kg <0.00199 U 0.0996 0.08270 mg/Kg <0.00199 U F1 0.0996 0.06933 mg/Kg <0.00398 U F1 0.199 0.1423 mg/Kg <0.00199 U F1 0.0996 0.07231 mg/Kg	Result Qualifier Added Result Qualifier Unit D %Rec <0.00199 U 0.0996 0.08776 mg/Kg 88 <0.00199 U 0.0996 0.08270 mg/Kg 82 <0.00199 U F1 0.0996 0.06933 mg/Kg 70 <0.00398 U F1 0.199 0.1423 mg/Kg 71 <0.00199 U F1 0.0996 0.07231 mg/Kg 73	Result Qualifier Added Result Qualifier Unit D %Rec Limits <0.00199 U 0.0996 0.08776 mg/Kg 88 70 - 130 <0.00199 U 0.0996 0.08270 mg/Kg 82 70 - 130 <0.00199 U F1 0.0996 0.06933 mg/Kg 70 70 - 130 <0.00398 U F1 0.199 0.1423 mg/Kg 71 70 - 130 <0.00199 U F1 0.0996 0.07231 mg/Kg 73 70 - 130	Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD <0.00199 U 0.0996 0.08776 mg/Kg 88 70 - 130 16 <0.00199 U 0.0996 0.08270 mg/Kg 82 70 - 130 14 <0.00199 U F1 0.0996 0.06933 mg/Kg 70 70 - 130 17 <0.00398 U F1 0.199 0.1423 mg/Kg 71 70 - 130 19 <0.00199 U F1 0.0996 0.07231 mg/Kg 73 70 - 130 29

Surrogate	%Recovery Qu	ualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 _ 130
1,4-Difluorobenzene (Surr)	111		70 - 130

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

Lab Sample ID: MB 880-5921/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 5932 Prep Batch: 5921 мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg	<u>_</u>	07/31/21 10:20	08/01/21 13:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/31/21 10:20	08/01/21 13:13	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/31/21 10:20	08/01/21 13:13	1
Total TPH	<50.0	U	50.0		mg/Kg		07/31/21 10:20	08/01/21 13:13	1

C10-C28)

o-Terphenyl

QC Sample Results

Job ID: 880-4538-1 Client: Tetra Tech, Inc. Project/Site: Heart Throb SDG: Lea County, New Mexico

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

	MB MB				
Surrogate	%Recovery Qualif	fier Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82	70 - 130	07/31/21 10:20	08/01/21 13:13	1
o-Terphenyl	97	70 - 130	07/31/21 10:20	08/01/21 13:13	1

Lab Sample ID: LCS 880-5921/2-A Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 5932** Prep Batch: 5921

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 1000 764.6 76 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 947.0 mg/Kg 95 70 - 130

LCS LCS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 90 70 - 130

103

Lab Sample ID: LCSD 880-5921/3-A Client Sample ID: Lab Control Sample Dup

70 - 130

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 5932** Prep Batch: 5921 RPD

LCSD LCSD Spike %Rec. Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 86 20 Gasoline Range Organics 1000 860.4 mg/Kg 70 - 13012 (GRO)-C6-C10 Diesel Range Organics (Over 1000 974.5 97 mg/Kg 70 - 1303 20 C10-C28)

LCSD LCSD Surrogate %Recovery Qualifier Limits 96 70 - 130 1-Chlorooctane 70 - 130 o-Terphenyl 107

Lab Sample ID: 880-4538-1 MS Client Sample ID: AH-1 (0-1')

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 5932** Prep Batch: 5921

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	836.9		mg/Kg		84	70 - 130		_
Diesel Range Organics (Over C10-C28)	<50.0	U	996	929.3		mg/Kg		91	70 - 130		

MS MS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 83 70 - 130 o-Terphenyl 86 70 - 130

Lab Sample ID: 880-4538-1 MSD Client Sample ID: AH-1 (0-1') **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 5932 Prep Batch: 5921 Sample Sample Spike MSD MSD %Rec. RPD Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits Limit Gasoline Range Organics <50.0 U 996 900.7 mg/Kg 70 - 130

(GRO)-C6-C10

Eurofins Xenco, Midland

8/2/2021

Client Sample ID: AH-1 (0-1')

70 - 130

Job ID: 880-4538-1 Client: Tetra Tech, Inc. Project/Site: Heart Throb SDG: Lea County, New Mexico

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

<50.0 U

Lab Sample ID: 880-4538-1 MSD

Matrix: Solid

Prep Type: Total/NA **Analysis Batch: 5932** Prep Batch: 5921 Sample Sample Spike MSD MSD %Rec. **RPD** Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit D

959.8

mg/Kg

996

Diesel Range Organics (Over C10-C28)

MSD MSD Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 85 o-Terphenyl 88 70 - 130

Lab Sample ID: MB 880-5924/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 5934

мв мв

MDL Unit Result Qualifier Dil Fac Analyte RL D Prepared Analyzed Gasoline Range Organics <50.0 U 50.0 07/31/21 10:49 08/01/21 13:13 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 07/31/21 10:49 08/01/21 13:13 C10-C28) 07/31/21 10:49 OII Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 08/01/21 13:13 Total TPH <50.0 U 50.0 mg/Kg 07/31/21 10:49 08/01/21 13:13

MB MB

Surrogate	%Recovery Q	Qualifier Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92	70 - 130	07/31/21 10:49	08/01/21 13:13	1
o-Terphenyl	111	70 - 130	07/31/21 10:49	08/01/21 13:13	1

Lab Sample ID: LCS 880-5924/2-A

Matrix: Solid

Analysis Batch: 5934

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 5924

Prep Batch: 5924

	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	1000	975.2		mg/Kg		98	70 - 130
(GRO)-C6-C10							
Diesel Range Organics (Over	1000	1070		mg/Kg		107	70 - 130
C10-C28)							

LCS LCS Surrogate %Recovery Qualifier Limits 100 70 - 130 107 70 - 130 o-Terphenyl

Lab Sample ID: LCSD 880-5924/3-A

Analysis Batch: 5934

Client Sample ID: Lab Control Sample Dup
--

Prep Type: Total/NA

Prep Batch: 5924

Spike LCSD LCSD %Rec. RPD babbA Limits RPD Limit Analyte Result Qualifier %Rec Unit Gasoline Range Organics 1000 915.4 mg/Kg 92 70 - 1306 20 (GRO)-C6-C10 1000 1119 mg/Kg 70 - 130 Diesel Range Organics (Over 112 5 20

LCSD LCSD

%Recovery Qualifier Limits 1-Chlorooctane 70 - 130 108

Eurofins Xenco, Midland

20

1-Chlorooctane

Matrix: Solid

C10-C28)

Surrogate

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Lab Sample ID: LCSD 880-5924/3-A

Job ID: 880-4538-1 SDG: Lea County, New Mexico

Project/Site: Heart Throb Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 5924

LCSD LCSD

%Recovery Qualifier Surrogate Limits o-Terphenyl 115 70 - 130

Lab Sample ID: 880-4538-31 MS

Matrix: Solid

Matrix: Solid

Analysis Batch: 5934

Analysis Batch: 5934

Client: Tetra Tech, Inc.

Client Sample ID: H-1 Prep Type: Total/NA

Prep Batch: 5924

Spike MS MS Sample Sample %Rec. Added Result Qualifier Analyte Result Qualifier Unit %Rec Limits Gasoline Range Organics <50.0 U 996 954.8 mg/Kg 93 70 - 130 (GRO)-C6-C10 996 Diesel Range Organics (Over 55.3 1127 mg/Kg 108 70 - 130

C10-C28)

MS MS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	92		70 - 130

Lab Sample ID: 880-4538-31 MSD Client Sample ID: H-1

Matrix: Solid

Analysis Batch: 5934

Prep Type: Total/NA

Prep Batch: 5924

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<50.0	U	996	971.9		mg/Kg		95	70 - 130	2	20
(GRO)-C6-C10											
Diesel Range Organics (Over	55.3		996	1143		mg/Kg		109	70 - 130	1	20
C10-C28)											

MSD MSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 99 70 - 130 93 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-5893/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 5906

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/30/21 19:49	1

Lab Sample ID: LCS 880-5893/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 5906

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	261.9		mg/Kg		105	90 - 110	

Job ID: 880-4538-1

Client: Tetra Tech, Inc. Project/Site: Heart Throb SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-5893/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 5906

Spike LCSD LCSD %Rec. RPD Analyte babbA Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 261.3 mg/Kg 105 90 - 110

Lab Sample ID: 880-4538-37 MS Client Sample ID: H-7 **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 5906

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	523		253	750.7		ma/Ka		90	90 - 110	

Lab Sample ID: 880-4538-37 MSD Client Sample ID: H-7 **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 5906

MSD MSD %Rec. RPD Spike Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 523 253 749.9 mg/Kg 90 - 110

Lab Sample ID: MB 880-5894/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 5945

мв мв

Analyte		Result	Qualifier	RL	MDL	Unit)	Prepared	Analyzed	Dil Fac
Chloride)	<5.00	U	5.00		mg/Kg			07/31/21 18:14	1

Lab Sample ID: LCS 880-5894/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

LCS LCS

Analysis Batch: 5945

	Opino	200 2					701100.	
Analyte	Added		Qualifier	Unit	D	%Rec	Limits	
Chloride	 250	241.7		mg/Kg		97	90 - 110	

Snika

Lab Sample ID: LCSD 880-5894/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 5945

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	241.9		ma/Ka		97	90 - 110		20

Lab Sample ID: 880-4538-1 MS Client Sample ID: AH-1 (0-1') **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 5945

	Sample Sample	Spike	MS	MS				%Rec.
Analyte	Result Qualifier	er Added	Result	Qualifier	Unit	D	%Rec	Limits
Chloride	1400	250	1569	E 4	mg/Kg		70	90 - 110

Lab Sample ID: 880-4538-1 MSD Client Sample ID: AH-1 (0-1') **Prep Type: Soluble**

Matrix: Solid

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Analysis Batch: 5945											
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	1400		250	1569	E 4	ma/Ka		70	90 - 110		20

Eurofins Xenco, Midland

% Poc

Client: Tetra Tech, Inc. Project/Site: Heart Throb Job ID: 880-4538-1

SDG: Lea County, New Mexico

Client Sample ID: AH-5 (0-1')

Client Sample ID: AH-5 (0-1')

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Client Sample ID: AH-6 (1-1.5')

Client Sample ID: AH-6 (1-1.5')

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-4538-11 MS

Matrix: Solid

Analysis Batch: 5945

Sample Sample Spike MS MS %Rec. Added Result Qualifier Analyte Result Qualifier Unit %Rec Limits Chloride 302 250 552.4 mg/Kg 100 90 - 110

Lab Sample ID: 880-4538-11 MSD

Matrix: Solid

Analysis Batch: 5945

•	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	302		250	553.9		mg/Kg		101	90 - 110	0	20

Lab Sample ID: MB 880-5897/1-A

Matrix: Solid

Analysis Batch: 5955

мв мв

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00 U	5.00	mg/Kg			08/02/21 09:00	1

Lab Sample ID: LCS 880-5897/2-A

Matrix: Solid

Analysis Batch: 5955

	Spike	LUS LUS				70Rec.	
Analyte	Added R	esult Qualific	er Unit	D	%Rec	Limits	
Chloride	250	238.5	mg/Kg		95	90 - 110	

Lab Sample ID: LCSD 880-5897/3-A

Matrix: Solid

Analysis Batch: 5955

	Spike	LCSD	LUSD				MREC.		KFD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	239.0		mg/Kg		96	90 - 110	0	20	

Lab Sample ID: 880-4538-17 MS

Matrix: Solid

Analysis Batch: 5955

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	2450		1240	3719		mg/Kg		103	90 - 110	

Lab Sample ID: 880-4538-17 MSD

Matrix: Solid

Analysis Batch: 5955

Analysis Butch. 0000	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	2450		1240	3713		mg/Kg		102	90 - 110	0	20

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Prep Type: Soluble

Client: Tetra Tech, Inc.

Job ID: 880-4538-1

Project/Site: Heart Throb

SDG: Lea County, New Mexico

GC VOA

Prep Batch: 5842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-5842/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 5858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-4538-1	AH-1 (0-1')	Total/NA	Solid	8021B	589
880-4538-2	AH-1 (1-1.5')	Total/NA	Solid	8021B	589
880-4538-3	AH-2 (0-1')	Total/NA	Solid	8021B	589
880-4538-4	AH-3 (0-1')	Total/NA	Solid	8021B	589
380-4538-5	AH-3 (1-1.5')	Total/NA	Solid	8021B	589
380-4538-6	AH-4 (0-1')	Total/NA	Solid	8021B	589
380-4538-7	AH-4 (1-1.5')	Total/NA	Solid	8021B	589
380-4538-8	AH-4 (2-2.5')	Total/NA	Solid	8021B	589
380-4538-9	AH-4 (3-3.5')	Total/NA	Solid	8021B	589
380-4538-10	AH-4 (4-4.5')	Total/NA	Solid	8021B	589
880-4538-11	AH-5 (0-1')	Total/NA	Solid	8021B	589
880-4538-12	AH-5 (1-1.5')	Total/NA	Solid	8021B	589
380-4538-13	AH-5 (2-2.5')	Total/NA	Solid	8021B	589
380-4538-14	AH-5 (3-3.5')	Total/NA	Solid	8021B	589 ⁻
380-4538-15	AH-5 (4-4.5')	Total/NA	Solid	8021B	589 ⁻
380-4538-16	AH-6 (0-1')	Total/NA	Solid	8021B	589
380-4538-17	AH-6 (1-1.5')	Total/NA	Solid	8021B	589 ⁻
880-4538-18	AH-6 (2-2.5')	Total/NA	Solid	8021B	589
880-4538-19	AH-6 (3-3.5')	Total/NA	Solid	8021B	589
380-4538-20	AH-6 (4-4.5')	Total/NA	Solid	8021B	589 ⁻
880-4538-31	H-1	Total/NA	Solid	8021B	5892
380-4538-32	H-2	Total/NA	Solid	8021B	5892
380-4538-33	H-3	Total/NA	Solid	8021B	5892
880-4538-34	H-4	Total/NA	Solid	8021B	5892
380-4538-35	H-5	Total/NA	Solid	8021B	5892
880-4538-36	H-6	Total/NA	Solid	8021B	5892
880-4538-37	H-7	Total/NA	Solid	8021B	5892
880-4538-38	H-8	Total/NA	Solid	8021B	5892
MB 880-5842/5-A	Method Blank	Total/NA	Solid	8021B	5842
MB 880-5858/137	Method Blank	Total/NA	Solid	8021B	
MB 880-5891/5-A	Method Blank	Total/NA	Solid	8021B	589
MB 880-5892/5-A	Method Blank	Total/NA	Solid	8021B	5892
_CS 880-5891/1-A	Lab Control Sample	Total/NA	Solid	8021B	589 ⁻
CS 880-5892/1-A	Lab Control Sample	Total/NA	Solid	8021B	5892
CSD 880-5891/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	589°
.CSD 880-5892/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	5892
380-4538-1 MS	AH-1 (0-1')	Total/NA	Solid	8021B	589
880-4538-1 MSD	AH-1 (0-1')	Total/NA	Solid	8021B	589
380-4538-31 MS	H-1	Total/NA	Solid	8021B	5892
380-4538-31 MSD	H-1	Total/NA	Solid	8021B	5892

Prep Batch: 5891

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4538-1	AH-1 (0-1')	Total/NA	Solid	5035	
880-4538-2	AH-1 (1-1.5')	Total/NA	Solid	5035	
880-4538-3	AH-2 (0-1')	Total/NA	Solid	5035	
880-4538-4	AH-3 (0-1')	Total/NA	Solid	5035	

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Client: Tetra Tech, Inc.

Job ID: 880-4538-1

Project/Site: Heart Throb

SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 5891 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4538-5	AH-3 (1-1.5')	Total/NA	Solid	5035	
880-4538-6	AH-4 (0-1')	Total/NA	Solid	5035	
880-4538-7	AH-4 (1-1.5')	Total/NA	Solid	5035	
880-4538-8	AH-4 (2-2.5')	Total/NA	Solid	5035	
880-4538-9	AH-4 (3-3.5')	Total/NA	Solid	5035	
880-4538-10	AH-4 (4-4.5')	Total/NA	Solid	5035	
880-4538-11	AH-5 (0-1')	Total/NA	Solid	5035	
880-4538-12	AH-5 (1-1.5')	Total/NA	Solid	5035	
880-4538-13	AH-5 (2-2.5')	Total/NA	Solid	5035	
880-4538-14	AH-5 (3-3.5')	Total/NA	Solid	5035	
880-4538-15	AH-5 (4-4.5')	Total/NA	Solid	5035	
880-4538-16	AH-6 (0-1')	Total/NA	Solid	5035	
880-4538-17	AH-6 (1-1.5')	Total/NA	Solid	5035	
880-4538-18	AH-6 (2-2.5')	Total/NA	Solid	5035	
880-4538-19	AH-6 (3-3.5')	Total/NA	Solid	5035	
880-4538-20	AH-6 (4-4.5')	Total/NA	Solid	5035	
MB 880-5891/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-5891/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-5891/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-4538-1 MS	AH-1 (0-1')	Total/NA	Solid	5035	
880-4538-1 MSD	AH-1 (0-1')	Total/NA	Solid	5035	

Prep Batch: 5892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4538-31	H-1	Total/NA	Solid	5035	_
880-4538-32	H-2	Total/NA	Solid	5035	
880-4538-33	H-3	Total/NA	Solid	5035	
880-4538-34	H-4	Total/NA	Solid	5035	
880-4538-35	H-5	Total/NA	Solid	5035	
880-4538-36	H-6	Total/NA	Solid	5035	
880-4538-37	H-7	Total/NA	Solid	5035	
880-4538-38	H-8	Total/NA	Solid	5035	
MB 880-5892/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-5892/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-5892/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-4538-31 MS	H-1	Total/NA	Solid	5035	
880-4538-31 MSD	H-1	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 5921

Released to Imaging: 10/15/2021 9:03:08 AM

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4538-1	AH-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-4538-2	AH-1 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-4538-3	AH-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-4538-4	AH-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-4538-5	AH-3 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-4538-6	AH-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-4538-7	AH-4 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-4538-8	AH-4 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-4538-9	AH-4 (3-3.5')	Total/NA	Solid	8015NM Prep	

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Client: Tetra Tech, Inc.

Job ID: 880-4538-1

Project/Site: Heart Throb

SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 5921 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4538-10	AH-4 (4-4.5')	Total/NA	Solid	8015NM Prep	
880-4538-11	AH-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-4538-12	AH-5 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-4538-13	AH-5 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-4538-14	AH-5 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-4538-15	AH-5 (4-4.5')	Total/NA	Solid	8015NM Prep	
880-4538-16	AH-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-4538-17	AH-6 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-4538-18	AH-6 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-4538-19	AH-6 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-4538-20	AH-6 (4-4.5')	Total/NA	Solid	8015NM Prep	
MB 880-5921/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-5921/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-5921/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-4538-1 MS	AH-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-4538-1 MSD	AH-1 (0-1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 5924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4538-31	H-1	Total/NA	Solid	8015NM Prep	
880-4538-32	H-2	Total/NA	Solid	8015NM Prep	
880-4538-33	H-3	Total/NA	Solid	8015NM Prep	
880-4538-34	H-4	Total/NA	Solid	8015NM Prep	
880-4538-35	H-5	Total/NA	Solid	8015NM Prep	
880-4538-36	H-6	Total/NA	Solid	8015NM Prep	
880-4538-37	H-7	Total/NA	Solid	8015NM Prep	
880-4538-38	H-8	Total/NA	Solid	8015NM Prep	
MB 880-5924/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-5924/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-5924/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-4538-31 MS	H-1	Total/NA	Solid	8015NM Prep	
880-4538-31 MSD	H-1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 5932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4538-1	AH-1 (0-1')	Total/NA	Solid	8015B NM	5921
880-4538-2	AH-1 (1-1.5')	Total/NA	Solid	8015B NM	5921
880-4538-3	AH-2 (0-1')	Total/NA	Solid	8015B NM	5921
880-4538-4	AH-3 (0-1')	Total/NA	Solid	8015B NM	5921
880-4538-5	AH-3 (1-1.5')	Total/NA	Solid	8015B NM	5921
880-4538-6	AH-4 (0-1')	Total/NA	Solid	8015B NM	5921
880-4538-7	AH-4 (1-1.5')	Total/NA	Solid	8015B NM	5921
880-4538-8	AH-4 (2-2.5')	Total/NA	Solid	8015B NM	5921
880-4538-9	AH-4 (3-3.5')	Total/NA	Solid	8015B NM	5921
880-4538-10	AH-4 (4-4.5')	Total/NA	Solid	8015B NM	5921
880-4538-11	AH-5 (0-1')	Total/NA	Solid	8015B NM	5921
880-4538-12	AH-5 (1-1.5')	Total/NA	Solid	8015B NM	5921
880-4538-13	AH-5 (2-2.5')	Total/NA	Solid	8015B NM	5921
880-4538-14	AH-5 (3-3.5')	Total/NA	Solid	8015B NM	5921
880-4538-15	AH-5 (4-4.5')	Total/NA	Solid	8015B NM	5921
880-4538-16	AH-6 (0-1')	Total/NA	Solid	8015B NM	5921

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8/2/2021

Client: Tetra Tech, Inc.

Job ID: 880-4538-1

Project/Site: Heart Throb

SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 5932 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4538-17	AH-6 (1-1.5')	Total/NA	Solid	8015B NM	5921
880-4538-18	AH-6 (2-2.5')	Total/NA	Solid	8015B NM	5921
880-4538-19	AH-6 (3-3.5')	Total/NA	Solid	8015B NM	5921
880-4538-20	AH-6 (4-4.5')	Total/NA	Solid	8015B NM	5921
MB 880-5921/1-A	Method Blank	Total/NA	Solid	8015B NM	5921
LCS 880-5921/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	5921
LCSD 880-5921/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	5921
880-4538-1 MS	AH-1 (0-1')	Total/NA	Solid	8015B NM	5921
880-4538-1 MSD	AH-1 (0-1')	Total/NA	Solid	8015B NM	5921

Analysis Batch: 5934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4538-31	H-1	Total/NA	Solid	8015B NM	5924
880-4538-32	H-2	Total/NA	Solid	8015B NM	5924
880-4538-33	H-3	Total/NA	Solid	8015B NM	5924
880-4538-34	H-4	Total/NA	Solid	8015B NM	5924
880-4538-35	H-5	Total/NA	Solid	8015B NM	5924
880-4538-36	H-6	Total/NA	Solid	8015B NM	5924
880-4538-37	H-7	Total/NA	Solid	8015B NM	5924
880-4538-38	H-8	Total/NA	Solid	8015B NM	5924
MB 880-5924/1-A	Method Blank	Total/NA	Solid	8015B NM	5924
LCS 880-5924/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	5924
LCSD 880-5924/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	5924
880-4538-31 MS	H-1	Total/NA	Solid	8015B NM	5924
880-4538-31 MSD	H-1	Total/NA	Solid	8015B NM	5924

HPLC/IC

Leach Batch: 5893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4538-37	H-7	Soluble	Solid	DI Leach	
880-4538-38	H-8	Soluble	Solid	DI Leach	
MB 880-5893/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5893/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5893/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-4538-37 MS	H-7	Soluble	Solid	DI Leach	
880-4538-37 MSD	H-7	Soluble	Solid	DI Leach	

Leach Batch: 5894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4538-1	AH-1 (0-1')	Soluble	Solid	DI Leach	
880-4538-2	AH-1 (1-1.5')	Soluble	Solid	DI Leach	
880-4538-3	AH-2 (0-1')	Soluble	Solid	DI Leach	
880-4538-4	AH-3 (0-1')	Soluble	Solid	DI Leach	
880-4538-5	AH-3 (1-1.5')	Soluble	Solid	DI Leach	
880-4538-6	AH-4 (0-1')	Soluble	Solid	DI Leach	
880-4538-7	AH-4 (1-1.5')	Soluble	Solid	DI Leach	
880-4538-8	AH-4 (2-2.5')	Soluble	Solid	DI Leach	
880-4538-9	AH-4 (3-3.5')	Soluble	Solid	DI Leach	
880-4538-10	AH-4 (4-4.5')	Soluble	Solid	DI Leach	
880-4538-11	AH-5 (0-1')	Soluble	Solid	DI Leach	

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Client: Tetra Tech, Inc.

Job ID: 880-4538-1

Project/Site: Heart Throb

SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 5894 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4538-12	AH-5 (1-1.5')	Soluble	Solid	DI Leach	
880-4538-13	AH-5 (2-2.5')	Soluble	Solid	DI Leach	
880-4538-14	AH-5 (3-3.5')	Soluble	Solid	DI Leach	
880-4538-15	AH-5 (4-4.5')	Soluble	Solid	DI Leach	
880-4538-16	AH-6 (0-1')	Soluble	Solid	DI Leach	
MB 880-5894/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5894/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5894/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-4538-1 MS	AH-1 (0-1')	Soluble	Solid	DI Leach	
880-4538-1 MSD	AH-1 (0-1')	Soluble	Solid	DI Leach	
880-4538-11 MS	AH-5 (0-1')	Soluble	Solid	DI Leach	
880-4538-11 MSD	AH-5 (0-1')	Soluble	Solid	DI Leach	

Leach Batch: 5897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4538-17	AH-6 (1-1.5')	Soluble	Solid	DI Leach	
880-4538-18	AH-6 (2-2.5')	Soluble	Solid	DI Leach	
880-4538-19	AH-6 (3-3.5')	Soluble	Solid	DI Leach	
880-4538-20	AH-6 (4-4.5')	Soluble	Solid	DI Leach	
880-4538-31	H-1	Soluble	Solid	DI Leach	
880-4538-32	H-2	Soluble	Solid	DI Leach	
880-4538-33	H-3	Soluble	Solid	DI Leach	
880-4538-34	H-4	Soluble	Solid	DI Leach	
880-4538-35	H-5	Soluble	Solid	DI Leach	
880-4538-36	H-6	Soluble	Solid	DI Leach	
MB 880-5897/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5897/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5897/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-4538-17 MS	AH-6 (1-1.5')	Soluble	Solid	DI Leach	
880-4538-17 MSD	AH-6 (1-1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 5906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4538-37	H-7	Soluble	Solid	300.0	5893
880-4538-38	H-8	Soluble	Solid	300.0	5893
MB 880-5893/1-A	Method Blank	Soluble	Solid	300.0	5893
LCS 880-5893/2-A	Lab Control Sample	Soluble	Solid	300.0	5893
LCSD 880-5893/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5893
880-4538-37 MS	H-7	Soluble	Solid	300.0	5893
880-4538-37 MSD	H-7	Soluble	Solid	300.0	5893

Analysis Batch: 5945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4538-1	AH-1 (0-1')	Soluble	Solid	300.0	5894
880-4538-2	AH-1 (1-1.5')	Soluble	Solid	300.0	5894
880-4538-3	AH-2 (0-1')	Soluble	Solid	300.0	5894
880-4538-4	AH-3 (0-1')	Soluble	Solid	300.0	5894
880-4538-5	AH-3 (1-1.5')	Soluble	Solid	300.0	5894
880-4538-6	AH-4 (0-1')	Soluble	Solid	300.0	5894
880-4538-7	AH-4 (1-1.5')	Soluble	Solid	300.0	5894
880-4538-8	AH-4 (2-2.5')	Soluble	Solid	300.0	5894

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Client: Tetra Tech, Inc.

Job ID: 880-4538-1

Project/Site: Heart Throb

SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 5945 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4538-9	AH-4 (3-3.5')	Soluble	Solid	300.0	5894
880-4538-10	AH-4 (4-4.5')	Soluble	Solid	300.0	5894
880-4538-11	AH-5 (0-1')	Soluble	Solid	300.0	5894
880-4538-12	AH-5 (1-1.5')	Soluble	Solid	300.0	5894
880-4538-13	AH-5 (2-2.5')	Soluble	Solid	300.0	5894
880-4538-14	AH-5 (3-3.5')	Soluble	Solid	300.0	5894
880-4538-15	AH-5 (4-4.5')	Soluble	Solid	300.0	5894
880-4538-16	AH-6 (0-1')	Soluble	Solid	300.0	5894
MB 880-5894/1-A	Method Blank	Soluble	Solid	300.0	5894
LCS 880-5894/2-A	Lab Control Sample	Soluble	Solid	300.0	5894
LCSD 880-5894/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5894
880-4538-1 MS	AH-1 (0-1')	Soluble	Solid	300.0	5894
880-4538-1 MSD	AH-1 (0-1')	Soluble	Solid	300.0	5894
880-4538-11 MS	AH-5 (0-1')	Soluble	Solid	300.0	5894
880-4538-11 MSD	AH-5 (0-1')	Soluble	Solid	300.0	5894

Analysis Batch: 5955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4538-17	AH-6 (1-1.5')	Soluble	Solid	300.0	5897
880-4538-18	AH-6 (2-2.5')	Soluble	Solid	300.0	5897
880-4538-19	AH-6 (3-3.5')	Soluble	Solid	300.0	5897
880-4538-20	AH-6 (4-4.5')	Soluble	Solid	300.0	5897
880-4538-31	H-1	Soluble	Solid	300.0	5897
880-4538-32	H-2	Soluble	Solid	300.0	5897
880-4538-33	H-3	Soluble	Solid	300.0	5897
880-4538-34	H-4	Soluble	Solid	300.0	5897
880-4538-35	H-5	Soluble	Solid	300.0	5897
880-4538-36	H-6	Soluble	Solid	300.0	5897
MB 880-5897/1-A	Method Blank	Soluble	Solid	300.0	5897
LCS 880-5897/2-A	Lab Control Sample	Soluble	Solid	300.0	5897
LCSD 880-5897/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5897
880-4538-17 MS	AH-6 (1-1.5')	Soluble	Solid	300.0	5897
880-4538-17 MSD	AH-6 (1-1 5')	Soluble	Solid	300.0	5897

Eurofins Xenco, Midland

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SDG: Lea County, New Mexico

Project/Site: Heart Throb

Client: Tetra Tech, Inc.

Lab Sample ID: 880-4538-1

Matrix: Solid

Client Sample ID: AH-1 (0-1')

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	5891	07/30/21 14:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	08/01/21 20:09	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5921	07/31/21 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/01/21 14:15	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	5894	07/30/21 14:14	CH	XEN MID
Soluble	Analysis	300.0		1			5945	07/31/21 18:30	CH	XEN MID

Client Sample ID: AH-1 (1-1.5')

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15 Lab Sample ID: 880-4538-2

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	5891	07/30/21 14:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	08/01/21 20:29	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5921	07/31/21 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/01/21 15:19	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	5894	07/30/21 14:14	CH	XEN MID
Soluble	Analysis	300.0		1			5945	07/31/21 18:46	CH	XEN MID

Client Sample ID: AH-2 (0-1')

Date Collected: 07/29/21 00:00

Date Received: 07/30/21 13:15

Lab Sample ID: 880-4538-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	5891	07/30/21 14:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	08/01/21 20:50	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5921	07/31/21 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/01/21 15:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5894	07/30/21 14:14	СН	XEN MID
Soluble	Analysis	300.0		5			5945	07/31/21 18:52	CH	XEN MID

Client Sample ID: AH-3 (0-1')

Date Collected: 0

Date Received: 0

Batch	Batch	Dil	Initial	Final	Batch	Prepared		
07/30/21 13:1	5							
07/29/21 00:0	0						Matrix: Solid	
e ID: AH-3 (0-1")					Lab Sample	e ID: 880-4538-4	

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	5891	07/30/21 14:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	08/01/21 21:10	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5921	07/31/21 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/01/21 16:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5894	07/30/21 14:14	CH	XEN MID
Soluble	Analysis	300.0		1			5945	07/31/21 18:57	CH	XEN MID

SDG: Lea County, New Mexico

Client Sample ID: AH-3 (1-1.5')

Client: Tetra Tech, Inc.

Project/Site: Heart Throb

Lab Sample ID: 880-4538-5

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	5891	07/30/21 14:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	08/01/21 21:31	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	5921	07/31/21 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/01/21 16:22	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	5894	07/30/21 14:14	СН	XEN MID
Soluble	Analysis	300.0		1			5945	07/31/21 19:03	CH	XEN MID

Lab Sample ID: 880-4538-6

Matrix: Solid

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15

Client Sample ID: AH-4 (0-1')

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	5891	07/30/21 14:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	08/01/21 21:51	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	5921	07/31/21 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/01/21 16:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	5894	07/30/21 14:14	CH	XEN MID
Soluble	Analysis	300.0		1			5945	07/31/21 19:19	CH	XEN MID

Client Sample ID: AH-4 (1-1.5')

Date Collected: 07/29/21 00:00

Lab Sample ID: 880-4538-7

Matrix: Solid

Date Received: 07/30/21 13:15

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	5891	07/30/21 14:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	08/01/21 22:11	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5921	07/31/21 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/01/21 17:04	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5894	07/30/21 14:14	CH	XEN MID
Soluble	Analysis	300.0		1			5945	07/31/21 19:24	CH	XEN MID

Client Sample ID: AH-4 (2-2.5')

Date Collected: 07/29/21 00:00

Lab Sample ID: 880-4538-8

Matrix: Solid

Date Received: 07/30/21 13:15

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	5891	07/30/21 14:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	08/01/21 22:32	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5921	07/31/21 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/01/21 17:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5894	07/30/21 14:14	СН	XEN MID
Soluble	Analysis	300.0		1			5945	07/31/21 19:30	CH	XEN MID

SDG: Lea County, New Mexico

Client Sample ID: AH-4 (3-3.5')

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15

Client: Tetra Tech, Inc.

Project/Site: Heart Throb

Lab Sample ID: 880-4538-9

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	5891	07/30/21 14:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	08/01/21 22:52	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5921	07/31/21 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/01/21 17:46	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	5894	07/30/21 14:14	СН	XEN MID
Soluble	Analysis	300.0		1			5945	07/31/21 19:35	CH	XEN MID

Client Sample ID: AH-4 (4-4.5')

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15 Lab Sample ID: 880-4538-10

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	5891	07/30/21 14:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	08/01/21 23:13	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5921	07/31/21 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/01/21 18:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	5894	07/30/21 14:14	CH	XEN MID
Soluble	Analysis	300.0		1			5945	07/31/21 19:40	CH	XEN MID

Client Sample ID: AH-5 (0-1')

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15 Lab Sample ID: 880-4538-11

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	5891	07/30/21 14:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	08/02/21 00:34	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5921	07/31/21 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/01/21 18:48	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	5894	07/30/21 14:14	CH	XEN MID
Soluble	Analysis	300.0		1			5945	07/31/21 19:46	CH	XEN MID

Client Sample ID: AH-5 (1-1.5')

Date Collected: 07/29/21 00:00

Date Received: 07/30/21 13:15

Lab	Sample	:טו	880-4538-12
			Marketon Oallal

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	5891	07/30/21 14:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	08/02/21 00:55	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5921	07/31/21 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/01/21 19:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5894	07/30/21 14:14	CH	XEN MID
Soluble	Analysis	300.0		1			5945	07/31/21 20:02	CH	XEN MID

Job ID: 880-4538-1 SDG: Lea County, New Mexico

5945

Client: Tetra Tech, Inc. Project/Site: Heart Throb

Lab Sample ID: 880-4538-13

Client Sample ID: AH-5 (2-2.5') Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 Total/NA Prep 4.99 g 5 mL 5891 07/30/21 14:05 MR XEN MID Total/NA Analysis 8021B 1 5 mL 5 mL 5858 08/02/21 01:15 KL XEN MID Total/NA Prep 8015NM Prep 10.02 g 10 mL 5921 07/31/21 10:20 DM XEN MID Total/NA Analysis 8015B NM 5932 08/01/21 19:30 AJ XEN MID Soluble Leach DI Leach 5.03 g 50 mL 5894 07/30/21 14:14 CH XEN MID

1

07/31/21 20:07 СН XEN MID Lab Sample ID: 880-4538-14

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15

Client Sample ID: AH-5 (3-3.5')

Analysis

300.0

Soluble

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	5891	07/30/21 14:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	08/02/21 01:35	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5921	07/31/21 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/01/21 19:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5894	07/30/21 14:14	CH	XEN MID
Soluble	Analysis	300.0		5			5945	07/31/21 20:24	CH	XEN MID

Client Sample ID: AH-5 (4-4.5') Lab Sample ID: 880-4538-15 Date Collected: 07/29/21 00:00

Matrix: Solid

Date Received: 07/30/21 13:15

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	5891	07/30/21 14:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	08/02/21 01:56	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	5921	07/31/21 10:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/01/21 20:12	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	5894	07/30/21 14:14	СН	XEN MID
Soluble	Analysis	300.0		5			5945	07/31/21 20:29	CH	XEN MID

Client Sample ID: AH-6 (0-1') Lab Sample ID: 880-4538-16 Date Collected: 07/29/21 00:00 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	5891	07/30/21 14:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	08/02/21 02:16	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5921	07/31/21 10:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/01/21 20:34	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5894	07/30/21 14:14	CH	XEN MID
Soluble	Analysis	300.0		5			5945	07/31/21 20:34	CH	XEN MID

Eurofins Xenco, Midland

Date Received: 07/30/21 13:15

Client: Tetra Tech, Inc. Project/Site: Heart Throb

SDG: Lea County, New Mexico

Client Sample ID: AH-6 (1-1.5')

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15 Lab Sample ID: 880-4538-17

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	5891	07/30/21 14:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	08/02/21 02:37	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5921	07/31/21 10:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/01/21 20:54	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5897	07/30/21 14:15	СН	XEN MID
Soluble	Analysis	300.0		5			5955	08/02/21 09:17	CH	XEN MID

Client Sample ID: AH-6 (2-2.5')

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15 Lab Sample ID: 880-4538-18

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	5891	07/30/21 14:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	08/02/21 02:57	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	5921	07/31/21 10:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/01/21 21:15	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	5897	07/30/21 14:15	CH	XEN MID
Soluble	Analysis	300.0		1			5955	08/02/21 09:33	CH	XEN MID

Client Sample ID: AH-6 (3-3.5')

Date Collected: 07/29/21 00:00

Date Received: 07/30/21 13:15

Lab Sample ID: 880-4538-19

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	5891	07/30/21 14:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	08/02/21 03:18	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5921	07/31/21 10:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/01/21 21:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	5897	07/30/21 14:15	СН	XEN MID
Soluble	Analysis	300.0		1			5955	08/02/21 09:38	CH	XEN MID

Client Sample ID: AH-6 (4-4.5')

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15 Lab Sample ID: 880-4538-20

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	5891	07/30/21 14:05	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	08/02/21 03:38	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5921	07/31/21 10:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5932	08/01/21 21:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5897	07/30/21 14:15	CH	XEN MID
Soluble	Analysis	300.0		1			5955	08/02/21 09:43	CH	XEN MID

SDG: Lea County, New Mexico

Client Sample ID: H-1

Project/Site: Heart Throb

Client: Tetra Tech, Inc.

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15 Lab Sample ID: 880-4538-31

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	5892	07/30/21 14:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/31/21 22:27	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5924	07/31/21 10:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5934	08/01/21 14:15	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	5897	07/30/21 14:15	CH	XEN MID
Soluble	Analysis	300.0		1			5955	08/02/21 09:49	CH	XEN MID

Client Sample ID: H-2

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15 Lab Sample ID: 880-4538-32

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	5892	07/30/21 14:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/31/21 22:47	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5924	07/31/21 10:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5934	08/01/21 15:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5897	07/30/21 14:15	CH	XEN MID
Soluble	Analysis	300.0		1			5955	08/02/21 10:05	CH	XEN MID

Client Sample ID: H-3

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15 Lab Sample ID: 880-4538-33

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	5892	07/30/21 14:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/31/21 23:08	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5924	07/31/21 10:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5934	08/01/21 15:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	5897	07/30/21 14:15	CH	XEN MID
Soluble	Analysis	300.0		1			5955	08/02/21 10:10	CH	XEN MID

Client Sample ID: H-4

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15 Lab Sample ID: 880-4538-34

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	5892	07/30/21 14:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/31/21 23:28	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	5924	07/31/21 10:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5934	08/01/21 16:01	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	5897	07/30/21 14:15	CH	XEN MID
Soluble	Analysis	300.0		1			5955	08/02/21 10:16	CH	XEN MID

Client: Tetra Tech, Inc.

Job ID: 880-4538-1 SDG: Lea County, New Mexico

Project/Site: Heart Throb Lab Sample ID: 880-4538-35 Client Sample ID: H-5

Date Collected: 07/29/21 00:00 Matrix: Solid Date Received: 07/30/21 13:15

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	5892	07/30/21 14:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	07/31/21 23:48	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	5924	07/31/21 10:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5934	08/01/21 16:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	5897	07/30/21 14:15	СН	XEN MID
Soluble	Analysis	300.0		1			5955	08/02/21 10:21	CH	XEN MID

Client Sample ID: H-6 Lab Sample ID: 880-4538-36 Matrix: Solid

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	5892	07/30/21 14:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	08/01/21 00:09	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	5924	07/31/21 10:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5934	08/01/21 16:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	5897	07/30/21 14:15	CH	XEN MID
Soluble	Analysis	300.0		1			5955	08/02/21 10:27	CH	XEN MID

Client Sample ID: H-7 Lab Sample ID: 880-4538-37

Date Collected: 07/29/21 00:00 Date Received: 07/30/21 13:15

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	5892	07/30/21 14:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	08/01/21 00:29	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	5924	07/31/21 10:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5934	08/01/21 17:04	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	5893	07/30/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		1			5906	07/30/21 20:06	CH	XEN MID

Client Sample ID: H-8 Lab Sample ID: 880-4538-38 Date Collected: 07/29/21 00:00

Date Received: 07/30/21 13:15

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	5892	07/30/21 14:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	5858	08/01/21 00:50	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	5924	07/31/21 10:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			5934	08/01/21 17:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	5893	07/30/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		1			5906	07/30/21 20:22	CH	XEN MID

Laboratory References:

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

Eurofins Xenco, Midland

Matrix: Solid

Matrix: Solid

Accreditation/Certification Summary

Client: Tetra Tech, Inc.

Job ID: 880-4538-1

Project/Site: Heart Throb

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	Pre	ogram	Identification Number	Expiration Date
Texas	NE	LAP	T104704400-20-21	06-30-22
The following analytes	are included in this report, bu	t the laboratory is not cortifi	ed by the governing authority. This list ma	av include analytes for
the agency does not of	' '	t the laboratory is not certifi	ed by the governing authority. This list the	ay include analytes for
0 ,	' '	Matrix	Analyte	ay include analytes for
the agency does not of	fer certification.	,	, , ,	ay include analytes for v

Method Summary

Client: Tetra Tech, Inc.

Job ID: 880-4538-1

Project/Site: Heart Throb

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

Eurofins Xenco, Midland

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Sample Summary

Client: Tetra Tech, Inc. Project/Site: Heart Throb

Job ID: 880-4538-1 SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	
880-4538-1	AH-1 (0-1')	Solid	07/29/21 00:00	07/30/21 13:15	
880-4538-2	AH-1 (1-1.5')	Solid	07/29/21 00:00	07/30/21 13:15	
880-4538-3	AH-2 (0-1')	Solid	07/29/21 00:00	07/30/21 13:15	
880-4538-4	AH-3 (0-1')	Solid	07/29/21 00:00	07/30/21 13:15	
880-4538-5	AH-3 (1-1.5')	Solid	07/29/21 00:00	07/30/21 13:15	
880-4538-6	AH-4 (0-1')	Solid	07/29/21 00:00	07/30/21 13:15	
880-4538-7	AH-4 (1-1.5')	Solid	07/29/21 00:00	07/30/21 13:15	
880-4538-8	AH-4 (2-2.5')	Solid	07/29/21 00:00	07/30/21 13:15	
880-4538-9	AH-4 (3-3.5')	Solid	07/29/21 00:00	07/30/21 13:15	
880-4538-10	AH-4 (4-4.5')	Solid	07/29/21 00:00	07/30/21 13:15	
880-4538-11	AH-5 (0-1')	Solid	07/29/21 00:00	07/30/21 13:15	
880-4538-12	AH-5 (1-1.5')	Solid	07/29/21 00:00	07/30/21 13:15	
880-4538-13	AH-5 (2-2.5')	Solid	07/29/21 00:00	07/30/21 13:15	
880-4538-14	AH-5 (3-3.5')	Solid	07/29/21 00:00	07/30/21 13:15	
880-4538-15	AH-5 (4-4.5')	Solid	07/29/21 00:00	07/30/21 13:15	
880-4538-16	AH-6 (0-1')	Solid	07/29/21 00:00	07/30/21 13:15	
880-4538-17	AH-6 (1-1.5')	Solid	07/29/21 00:00	07/30/21 13:15	
880-4538-18	AH-6 (2-2.5')	Solid	07/29/21 00:00	07/30/21 13:15	
880-4538-19	AH-6 (3-3.5')	Solid	07/29/21 00:00	07/30/21 13:15	
880-4538-20	AH-6 (4-4.5')	Solid	07/29/21 00:00	07/30/21 13:15	
880-4538-31	H-1	Solid	07/29/21 00:00	07/30/21 13:15	
880-4538-32	H-2	Solid	07/29/21 00:00	07/30/21 13:15	
880-4538-33	H-3	Solid	07/29/21 00:00	07/30/21 13:15	
880-4538-34	H-4	Solid	07/29/21 00:00	07/30/21 13:15	
880-4538-35	H-5	Solid	07/29/21 00:00	07/30/21 13:15	
880-4538-36	H-6	Solid	07/29/21 00:00	07/30/21 13:15	
880-4538-37	H-7	Solid	07/29/21 00:00	07/30/21 13:15	
880-4538-38	H-8	Solid	07/29/21 00:00	07/30/21 13:15	

ORIGINAL COPY

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ORIGINAL COPY

880-4538

Hold Page 53 of 55 3 of 4 8/2/2021

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9 8/2/2021

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-4538-1

SDG Number: Lea County, New Mexico

List Source: Eurofins Xenco, Midland

List Number: 1

Login Number: 4538

Creator: Phillips, Kerianna

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	



Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-1122-1

Laboratory Sample Delivery Group: Lea County NM

Client Project/Site: HeartThrob Riser Spill

Revision: 1

For:

Tetra Tech, Inc. 901 W Wall Ste 100 Midland, Texas 79701

Attn: Brittany Long

RAMER

Authorized for release by: 8/31/2021 3:13:54 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

·····LINKS ·······

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Released to Imaging: 10/15/2021 9:03:08 AM

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: HeartThrob Riser Spill

Laboratory Job ID: 890-1122-1

SDG: Lea County NM

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Qualifier Description

Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 890-1122-1 Project/Site: HeartThrob Riser Spill SDG: Lea County NM

Qualifiers

GC VOA	
Qualifier	

*_	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
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)
EDI	Estimated Detection Limit (Diavin)

DLO	Decision Level Concentration (readionemony)
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)

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

			• /	
RPD	Relative Percent Diffe	erence, a measure of	the relative difference b	petween two points

TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNITO	T N T- O

TNTC Too Numerous To Count

Case Narrative

Client: Tetra Tech, Inc.

Project/Site: HeartThrob Riser Spill

Job ID: 890-1122-1

SDG: Lea County NM

Job ID: 890-1122-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1122-1

REVISION

The report being provided is a revision of the original report sent on 8/23/2021. The report (revision 0) is being revised due to .

Receipt

The samples were received on 8/17/2021 4:34 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 1.6°C

GC VOA

Method 8021B: Both the LCSD/MSD failed low however since the method only requires an LCS and not an LCSD the data was reported. (LCSD 880-6736/2-A)

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-6773 and analytical batch 880-6771 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: H-10 (890-1122-20). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: AH-9 1-1.5 (890-1122-13). 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

Released to Imaging: 10/15/2021 9:03:08 AM

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.

Eurofins Xenco, Carlsbad 8/31/2021 (Rev. 1)

Client: Tetra Tech, Inc. Project/Site: HeartThrob Riser Spill

Client Sample ID: H-9

Date Collected: 08/17/21 11:30 Date Received: 08/17/21 16:34

Lab Sample ID: 890-1122-1

08/19/21 11:26 08/19/21 16:04

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *-	0.00200		mg/Kg		08/19/21 09:45	08/19/21 17:12	1
Toluene	<0.00200	U *-	0.00200		mg/Kg		08/19/21 09:45	08/19/21 17:12	1
Ethylbenzene	<0.00200	U *-	0.00200		mg/Kg		08/19/21 09:45	08/19/21 17:12	1
m-Xylene & p-Xylene	<0.00400	U *-	0.00400		mg/Kg		08/19/21 09:45	08/19/21 17:12	1
o-Xylene	<0.00200	U *-	0.00200		mg/Kg		08/19/21 09:45	08/19/21 17:12	1
Xylenes, Total	<0.00400	U *-	0.00400		mg/Kg		08/19/21 09:45	08/19/21 17:12	1
Total BTEX	<0.00400	U *- *1	0.00400		mg/Kg		08/19/21 09:45	08/19/21 17:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				08/19/21 09:45	08/19/21 17:12	1
1,4-Difluorobenzene (Surr)	98		70 - 130				08/19/21 09:45	08/19/21 17:12	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 mg/Kg 08/19/21 11:26 08/19/21 16:04 (GRO)-C6-C10 <50.0 U 50.0 Diesel Range Organics (Over mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 08/19/21 11:26 08/19/21 16:04 Total TPH <50.0 U 50.0 08/19/21 11:26 08/19/21 16:04 mg/Kg %Recovery Qualifier Dil Fac Surrogate Limits Prepared Analyzed

o-Terphenyl	110	70 - 130			08/19/21 11:26	08/19/21 16:04	1
Method: 300.0 - Anions, Ion (Chromatograph	ny - Soluble					
Analyte	Result Qu	ualifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.0	4.98	mg/Kg	g		08/19/21 14:40	1

70 - 130

106

<49.9 U

Client Sample ID: H-13 Lab Sample ID: 890-1122-2 Date Collected: 08/17/21 13:06 Matrix: Solid

Date Received: 08/17/21 16:34

1-Chlorooctane

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/20/21 08:45	08/20/21 11:27	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/20/21 08:45	08/20/21 11:27	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/20/21 08:45	08/20/21 11:27	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/20/21 08:45	08/20/21 11:27	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/20/21 08:45	08/20/21 11:27	1
Xylenes, Total	< 0.00396	U	0.00396		mg/Kg		08/20/21 08:45	08/20/21 11:27	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		08/20/21 08:45	08/20/21 11:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				08/20/21 08:45	08/20/21 11:27	1
1,4-Difluorobenzene (Surr)	99		70 - 130				08/20/21 08:45	08/20/21 11:27	1
Method: 8015B NM - Diese	l Range Organ	ics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Eurofins Xenco, Carlsbad

08/19/21 11:26 08/19/21 17:07

49.9

mg/Kg

Gasoline Range Organics

(GRO)-C6-C10

Client: Tetra Tech, Inc.

Project/Site: HeartThrob Riser Spill

SDG: Lea County NM

Client Sample ID: H-13

Lab Sample ID: 890-1122-2

Matrix: Solid

Job ID: 890-1122-1

Date Collected: 08/17/21 13:06 Date Received: 08/17/21 16:34

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 17:07	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 17:07	1
Total TPH	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 17:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				08/19/21 11:26	08/19/21 17:07	1
o-Terphenyl	115		70 - 130				08/19/21 11:26	08/19/21 17:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac Chloride 5.04 mg/Kg 08/19/21 14:57 514

Client Sample ID: H-14

Lab Sample ID: 890-1122-3

Date Collected: 08/17/21 11:50 Date Received: 08/17/21 16:34

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *-	0.00199		mg/Kg		08/19/21 09:45	08/19/21 22:24	1
Toluene	<0.00199	U *-	0.00199		mg/Kg		08/19/21 09:45	08/19/21 22:24	1
Ethylbenzene	<0.00199	U *-	0.00199		mg/Kg		08/19/21 09:45	08/19/21 22:24	1
m-Xylene & p-Xylene	<0.00398	U *-	0.00398		mg/Kg		08/19/21 09:45	08/19/21 22:24	1
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		08/19/21 09:45	08/19/21 22:24	1
Xylenes, Total	<0.00398	U *-	0.00398		mg/Kg		08/19/21 09:45	08/19/21 22:24	1
Total BTEX	<0.00398	U *- *1	0.00398		mg/Kg		08/19/21 09:45	08/19/21 22:24	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127	70 - 130	08/19/21 09:45	08/19/21 22:24	1
1,4-Difluorobenzene (Surr)	91	70 - 130	08/19/21 09:45	08/19/21 22:24	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/19/21 11:26	08/19/21 17:27	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/19/21 11:26	08/19/21 17:27	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/19/21 11:26	08/19/21 17:27	1
Total TPH	<49.8	U	49.8		mg/Kg		08/19/21 11:26	08/19/21 17:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				08/19/21 11:26	08/19/21 17:27	1
o-Terphenyl	112		70 - 130				08/19/21 11:26	08/19/21 17:27	1

	Method: 300.0 - Anions, Ion Cl	hromatograp	hy - Solub	le						
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
l	Chloride	89.5		5.01		mg/Kg			08/19/21 15:03	1

Client: Tetra Tech, Inc. Project/Site: HeartThrob Riser Spill

Lab Sample ID: 890-1122-4

Lab Sample ID: 890-1122-5

Matrix: Solid

Matrix: Solid

Client Sample ID: AH-7 0-1 Date Collected: 08/17/21 12:07 Date Received: 08/17/21 16:34

Sample Depth: 0 - 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *-	0.00200		mg/Kg		08/19/21 09:45	08/19/21 22:45	1
Toluene	<0.00200	U *-	0.00200		mg/Kg		08/19/21 09:45	08/19/21 22:45	1
Ethylbenzene	<0.00200	U *-	0.00200		mg/Kg		08/19/21 09:45	08/19/21 22:45	1
m-Xylene & p-Xylene	<0.00399	U *-	0.00399		mg/Kg		08/19/21 09:45	08/19/21 22:45	1
o-Xylene	<0.00200	U *-	0.00200		mg/Kg		08/19/21 09:45	08/19/21 22:45	1
Xylenes, Total	< 0.00399	U *-	0.00399		mg/Kg		08/19/21 09:45	08/19/21 22:45	1
Total BTEX	<0.00399	U *- *1	0.00399		mg/Kg		08/19/21 09:45	08/19/21 22:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				08/19/21 09:45	08/19/21 22:45	1
1,4-Difluorobenzene (Surr)	98		70 - 130				08/19/21 09:45	08/19/21 22:45	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/19/21 11:26	08/19/21 17:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 17:48	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 17:48	1
Total TPH	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 17:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				08/19/21 11:26	08/19/21 17:48	1
o-Terphenyl	110		70 - 130				08/19/21 11:26	08/19/21 17:48	1

Method: 300.0 - Anions, Ion C	Chromatography - Solub	le					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.1	4.97	mg/Kg			08/19/21 15:08	1

Client Sample ID: AH-7 1-1.5 Date Collected: 08/17/21 12:18 Date Received: 08/17/21 16:34

Released to Imaging: 10/15/2021 9:03:08 AM

Sample Depth: 1 - 1.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *-	0.00199		mg/Kg		08/19/21 09:45	08/19/21 23:05	1
Toluene	<0.00199	U *-	0.00199		mg/Kg		08/19/21 09:45	08/19/21 23:05	1
Ethylbenzene	<0.00199	U *-	0.00199		mg/Kg		08/19/21 09:45	08/19/21 23:05	1
m-Xylene & p-Xylene	<0.00398	U *-	0.00398		mg/Kg		08/19/21 09:45	08/19/21 23:05	1
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		08/19/21 09:45	08/19/21 23:05	1
Xylenes, Total	<0.00398	U *-	0.00398		mg/Kg		08/19/21 09:45	08/19/21 23:05	1
Total BTEX	<0.00398	U *- *1	0.00398		mg/Kg		08/19/21 09:45	08/19/21 23:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				08/19/21 09:45	08/19/21 23:05	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/19/21 09:45	08/19/21 23:05	1

Project/Site: HeartThrob Riser Spill

Client: Tetra Tech, Inc.

Client Sample ID: AH-7 1-1.5 Lab Sample ID: 890-1122-5

Matrix: Solid

Date Collected: 08/17/21 12:18 Date Received: 08/17/21 16:34 Sample Depth: 1 - 1.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/19/21 11:26	08/19/21 18:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/19/21 11:26	08/19/21 18:09	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/19/21 11:26	08/19/21 18:09	1
Total TPH	<49.8	U	49.8		mg/Kg		08/19/21 11:26	08/19/21 18:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				08/19/21 11:26	08/19/21 18:09	1
o-Terphenyl	102		70 - 130				08/19/21 11:26	08/19/21 18:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Chloride 22.1 4.95 mg/Kg 08/19/21 15:14

Client Sample ID: AH-7 2-2.5 Lab Sample ID: 890-1122-6 Date Collected: 08/17/21 12:26 **Matrix: Solid**

Date Received: 08/17/21 16:34

Sample Depth: 2 - 2.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *-	0.00200		mg/Kg		08/19/21 09:45	08/19/21 23:26	1
Toluene	<0.00200	U *-	0.00200		mg/Kg		08/19/21 09:45	08/19/21 23:26	1
Ethylbenzene	<0.00200	U *-	0.00200		mg/Kg		08/19/21 09:45	08/19/21 23:26	1
m-Xylene & p-Xylene	<0.00400	U *-	0.00400		mg/Kg		08/19/21 09:45	08/19/21 23:26	1
o-Xylene	<0.00200	U *-	0.00200		mg/Kg		08/19/21 09:45	08/19/21 23:26	1
Xylenes, Total	<0.00400	U *-	0.00400		mg/Kg		08/19/21 09:45	08/19/21 23:26	1
Total BTEX	<0.00400	U *- *1	0.00400		mg/Kg		08/19/21 09:45	08/19/21 23:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				08/19/21 09:45	08/19/21 23:26	1
1,4-Difluorobenzene (Surr)	86		70 - 130				08/19/21 09:45	08/19/21 23:26	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 18:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 18:29	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 18:29	1
Total TPH	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 18:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				08/19/21 11:26	08/19/21 18:29	1
o-Terphenyl	108		70 - 130				08/19/21 11:26	08/19/21 18:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL MDL Unit Dil Fac D Prepared Analyzed 4.99 08/19/21 15:31 **Chloride** 22.5 mg/Kg

Project/Site: HeartThrob Riser Spill

Client Sample ID: AH-7 3-3.5

Lab \$

Lab Sample ID: 890-1122-7

Date Collected: 08/17/21 12:34 Date Received: 08/17/21 16:34 Matrix: Solid

Sample Depth: 3 - 3.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *-	0.00198		mg/Kg		08/19/21 09:45	08/19/21 23:46	1
Toluene	<0.00198	U *-	0.00198		mg/Kg		08/19/21 09:45	08/19/21 23:46	1
Ethylbenzene	<0.00198	U *-	0.00198		mg/Kg		08/19/21 09:45	08/19/21 23:46	1
m-Xylene & p-Xylene	<0.00396	U *-	0.00396		mg/Kg		08/19/21 09:45	08/19/21 23:46	1
o-Xylene	<0.00198	U *-	0.00198		mg/Kg		08/19/21 09:45	08/19/21 23:46	1
Xylenes, Total	< 0.00396	U *-	0.00396		mg/Kg		08/19/21 09:45	08/19/21 23:46	1
Total BTEX	<0.00396	U *- *1	0.00396		mg/Kg		08/19/21 09:45	08/19/21 23:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				08/19/21 09:45	08/19/21 23:46	1
1,4-Difluorobenzene (Surr)	91		70 - 130				08/19/21 09:45	08/19/21 23:46	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/19/21 11:26	08/19/21 18:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/19/21 11:26	08/19/21 18:49	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/19/21 11:26	08/19/21 18:49	1
Total TPH	<49.8	U	49.8		mg/Kg		08/19/21 11:26	08/19/21 18:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				08/19/21 11:26	08/19/21 18:49	1
o-Terphenyl	113		70 - 130				08/19/21 11:26	08/19/21 18:49	1

Method: 300.0 - Anions, Id	on Chromatography - Solub	le					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.3	4.95	mg/Kg			08/19/21 15:36	1

Client Sample ID: AH-8 0-1
Date Collected: 08/17/21 10:16
Date Received: 08/17/21 16:34

Sample Depth: 0 - 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *-	0.00202		mg/Kg		08/19/21 09:45	08/20/21 00:06	1
Toluene	<0.00202	U *-	0.00202		mg/Kg		08/19/21 09:45	08/20/21 00:06	1
Ethylbenzene	<0.00202	U *-	0.00202		mg/Kg		08/19/21 09:45	08/20/21 00:06	1
m-Xylene & p-Xylene	<0.00404	U *-	0.00404		mg/Kg		08/19/21 09:45	08/20/21 00:06	1
o-Xylene	<0.00202	U *-	0.00202		mg/Kg		08/19/21 09:45	08/20/21 00:06	1
Xylenes, Total	<0.00404	U *-	0.00404		mg/Kg		08/19/21 09:45	08/20/21 00:06	1
Total BTEX	<0.00404	U *- *1	0.00404		mg/Kg		08/19/21 09:45	08/20/21 00:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				08/19/21 09:45	08/20/21 00:06	1
1,4-Difluorobenzene (Surr)	80		70 - 130				08/19/21 09:45	08/20/21 00:06	1

Eurofins Xenco, Carlsbad

Lab Sample ID: 890-1122-8

Matrix: Solid

Project/Site: HeartThrob Riser Spill

Client: Tetra Tech, Inc. Job ID: 890-1122-1 SDG: Lea County NM

Lab Sample ID: 890-1122-8

Date Collected: 08/17/21 10:16 Date Received: 08/17/21 16:34

Client Sample ID: AH-8 0-1

Matrix: Solid

Sample Depth: 0 - 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 19:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 19:10	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 19:10	1
Total TPH	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 19:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				08/19/21 11:26	08/19/21 19:10	1
o-Terphenyl	105		70 - 130				08/19/21 11:26	08/19/21 19:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL MDL Unit Prepared Analyzed Dil Fac Chloride 31.2 4.95 mg/Kg 08/19/21 15:42

Client Sample ID: AH-8 1-1.5 Lab Sample ID: 890-1122-9 **Matrix: Solid**

Date Collected: 08/17/21 10:20 Date Received: 08/17/21 16:34

Sample Depth: 1 - 1.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *-	0.00199		mg/Kg		08/19/21 09:45	08/20/21 00:27	1
Toluene	<0.00199	U *-	0.00199		mg/Kg		08/19/21 09:45	08/20/21 00:27	1
Ethylbenzene	<0.00199	U *-	0.00199		mg/Kg		08/19/21 09:45	08/20/21 00:27	1
m-Xylene & p-Xylene	<0.00398	U *-	0.00398		mg/Kg		08/19/21 09:45	08/20/21 00:27	1
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		08/19/21 09:45	08/20/21 00:27	1
Xylenes, Total	<0.00398	U *-	0.00398		mg/Kg		08/19/21 09:45	08/20/21 00:27	1
Total BTEX	<0.00398	U *- *1	0.00398		mg/Kg		08/19/21 09:45	08/20/21 00:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/19/21 09:45	08/20/21 00:27	1
1,4-Difluorobenzene (Surr)	73		70 - 130				08/19/21 09:45	08/20/21 00:27	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 19:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 19:30	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 19:30	1
Total TPH	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 19:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				08/19/21 11:26	08/19/21 19:30	- 1
o-Terphenyl	108		70 - 130				08/19/21 11:26	08/19/21 19:30	1

Method: 300.0 - Anions, Ion C	hromatograp	hy - Solub	le						
Analyte	Result (Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.4		5.04		mg/Kg			08/19/21 15:48	1

Eurofins Xenco, Carlsbad

8/31/2021 (Rev. 1)

Client: Tetra Tech, Inc. Job ID: 890-1122-1 Project/Site: HeartThrob Riser Spill SDG: Lea County NM

Client Sample ID: AH-8 2-2.5 Lab Sample ID: 890-1122-10 Date Collected: 08/17/21 10:25

Matrix: Solid

Sample Depth: 2 - 2.5

Date Received: 08/17/21 16:34

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *-	0.00201		mg/Kg		08/19/21 09:45	08/20/21 00:47	1
Toluene	<0.00201	U *-	0.00201		mg/Kg		08/19/21 09:45	08/20/21 00:47	1
Ethylbenzene	<0.00201	U *-	0.00201		mg/Kg		08/19/21 09:45	08/20/21 00:47	1
m-Xylene & p-Xylene	<0.00402	U *-	0.00402		mg/Kg		08/19/21 09:45	08/20/21 00:47	1
o-Xylene	<0.00201	U *-	0.00201		mg/Kg		08/19/21 09:45	08/20/21 00:47	1
Xylenes, Total	<0.00402	U *-	0.00402		mg/Kg		08/19/21 09:45	08/20/21 00:47	1
Total BTEX	<0.00402	U *- *1	0.00402		mg/Kg		08/19/21 09:45	08/20/21 00:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				08/19/21 09:45	08/20/21 00:47	1
1,4-Difluorobenzene (Surr)	98		70 - 130				08/19/21 09:45	08/20/21 00:47	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/19/21 11:26	08/19/21 19:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/19/21 11:26	08/19/21 19:50	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/19/21 11:26	08/19/21 19:50	1
Total TPH	<49.8	U	49.8		mg/Kg		08/19/21 11:26	08/19/21 19:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				08/19/21 11:26	08/19/21 19:50	1
o-Ternhenyl	110		70 - 130				08/19/21 11:26	08/19/21 19:50	1

Method: 300.0 - Anions, Ion C	hromatography	y - Soluble						
Analyte	Result Qu	alifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.9	5.01		mg/Kg			08/19/21 15:53	1

Lab Sample ID: 890-1122-11 Client Sample ID: AH-8 3-3.5 Date Collected: 08/17/21 10:30 Matrix: Solid

Date Received: 08/17/21 16:34

Sample Depth: 3 - 3.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F2 F1	0.00200		mg/Kg		08/19/21 09:40	08/20/21 04:08	1
Toluene	<0.00200	U F2 F1	0.00200		mg/Kg		08/19/21 09:40	08/20/21 04:08	1
Ethylbenzene	<0.00200	U F2 F1	0.00200		mg/Kg		08/19/21 09:40	08/20/21 04:08	1
m-Xylene & p-Xylene	<0.00400	U F2 F1	0.00400		mg/Kg		08/19/21 09:40	08/20/21 04:08	1
o-Xylene	<0.00200	U F2 F1	0.00200		mg/Kg		08/19/21 09:40	08/20/21 04:08	1
Xylenes, Total	<0.00400	U F2 F1	0.00400		mg/Kg		08/19/21 09:40	08/20/21 04:08	1
Total BTEX	<0.00400	U F2 F1	0.00400		mg/Kg		08/19/21 09:40	08/20/21 04:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				08/19/21 09:40	08/20/21 04:08	1
1,4-Difluorobenzene (Surr)	94		70 - 130				08/19/21 09:40	08/20/21 04:08	1

Job ID: 890-1122-1

Client: Tetra Tech, Inc. Project/Site: HeartThrob Riser Spill SDG: Lea County NM

Client Sample ID: AH-8 3-3.5 Lab Sample ID: 890-1122-11

Date Collected: 08/17/21 10:30 **Matrix: Solid** Date Received: 08/17/21 16:34 Sample Depth: 3 - 3.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/19/21 11:26	08/19/21 20:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/19/21 11:26	08/19/21 20:29	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/19/21 11:26	08/19/21 20:29	1
Total TPH	<50.0	U	50.0		mg/Kg		08/19/21 11:26	08/19/21 20:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				08/19/21 11:26	08/19/21 20:29	1
o-Terphenyl	114		70 - 130				08/19/21 11:26	08/19/21 20:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	22.9		4.99		mg/Kg			08/19/21 15:59	1

Lab Sample ID: 890-1122-12 Client Sample ID: AH-9 0-1

Date Collected: 08/17/21 10:49 **Matrix: Solid**

Date Received: 08/17/21 16:34

Sample Depth: 0 - 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/19/21 09:40	08/20/21 04:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/19/21 09:40	08/20/21 04:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/19/21 09:40	08/20/21 04:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/19/21 09:40	08/20/21 04:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/19/21 09:40	08/20/21 04:29	1
Xylenes, Total	< 0.00399	U	0.00399		mg/Kg		08/19/21 09:40	08/20/21 04:29	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		08/19/21 09:40	08/20/21 04:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				08/19/21 09:40	08/20/21 04:29	1
1,4-Difluorobenzene (Surr)	90		70 - 130				08/19/21 09:40	08/20/21 04:29	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/19/21 11:26	08/19/21 20:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/19/21 11:26	08/19/21 20:49	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/19/21 11:26	08/19/21 20:49	1
Total TPH	<50.0	U	50.0		mg/Kg		08/19/21 11:26	08/19/21 20:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				08/19/21 11:26	08/19/21 20:49	1
o-Terphenyl	107		70 - 130				08/19/21 11:26	08/19/21 20:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	22.5		5.00		mg/Kg			08/19/21 16:16	1

Client: Tetra Tech, Inc.

Project/Site: HeartThrob Riser Spill

Lab Sample ID: 890-1122-13

Client Sample ID: AH-9 1-1.5 Date Collected: 08/17/21 10:52 Date Received: 08/17/21 16:34

Matrix: Solid

Sample Depth: 1 - 1.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/19/21 09:40	08/20/21 04:49	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/19/21 09:40	08/20/21 04:49	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/19/21 09:40	08/20/21 04:49	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/19/21 09:40	08/20/21 04:49	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/19/21 09:40	08/20/21 04:49	1
Xylenes, Total	< 0.00396	U	0.00396		mg/Kg		08/19/21 09:40	08/20/21 04:49	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		08/19/21 09:40	08/20/21 04:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130				08/19/21 09:40	08/20/21 04:49	1
1,4-Difluorobenzene (Surr)	99		70 - 130				08/19/21 09:40	08/20/21 04:49	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	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 21:09	1		
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 21:09	1		
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 21:09	1		
Total TPH	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 21:09	1		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1-Chlorooctane	103		70 - 130				08/19/21 11:26	08/19/21 21:09	1		
o-Terphenyl	107		70 - 130				08/19/21 11:26	08/19/21 21:09	1		

Method: 300.0 - Anions, Ion Cl	hromatography - Solub	ole					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.1	5.00	mg/Kg			08/19/21 16:21	1

Client Sample ID: AH-9 2-2.5 Date Collected: 08/17/21 10:56

Lab Sample ID: 890-1122-14 Matrix: Solid

Date Received: 08/17/21 16:34

Sample Depth: 2 - 2.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/19/21 09:40	08/20/21 05:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/19/21 09:40	08/20/21 05:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/19/21 09:40	08/20/21 05:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/19/21 09:40	08/20/21 05:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/19/21 09:40	08/20/21 05:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/19/21 09:40	08/20/21 05:10	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		08/19/21 09:40	08/20/21 05:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				08/19/21 09:40	08/20/21 05:10	1
1,4-Difluorobenzene (Surr)	89		70 - 130				08/19/21 09:40	08/20/21 05:10	1

Client: Tetra Tech, Inc. Project/Site: HeartThrob Riser Spill

Client Sample ID: AH-9 2-2.5

Lab Sample ID: 890-1122-14

Date Collected: 08/17/21 10:56 Date Received: 08/17/21 16:34 **Matrix: Solid**

Sample Depth: 2 - 2.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 21:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 21:29	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 21:29	1
Total TPH	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 21:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				08/19/21 11:26	08/19/21 21:29	1
o-Terphenyl	112		70 - 130				08/19/21 11:26	08/19/21 21:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Chloride 23.0 4.97 mg/Kg 08/19/21 16:38

Client Sample ID: AH-9 3-3.5 Lab Sample ID: 890-1122-15 Date Collected: 08/17/21 11:07

Matrix: Solid Date Received: 08/17/21 16:34

Sample Depth: 3 - 3.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/19/21 09:40	08/20/21 05:30	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/19/21 09:40	08/20/21 05:30	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/19/21 09:40	08/20/21 05:30	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/19/21 09:40	08/20/21 05:30	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/19/21 09:40	08/20/21 05:30	1
Xylenes, Total	< 0.00396	U	0.00396		mg/Kg		08/19/21 09:40	08/20/21 05:30	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		08/19/21 09:40	08/20/21 05:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				08/19/21 09:40	08/20/21 05:30	1
1,4-Difluorobenzene (Surr)	94		70 - 130				08/19/21 09:40	08/20/21 05:30	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/19/21 11:26	08/19/21 21:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/19/21 11:26	08/19/21 21:48	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/19/21 11:26	08/19/21 21:48	1
Total TPH	<49.8	U	49.8		mg/Kg		08/19/21 11:26	08/19/21 21:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				08/19/21 11:26	08/19/21 21:48	1
o-Terphenyl	108		70 - 130				08/19/21 11:26	08/19/21 21:48	1

Method: 300.0 - Anions, Ion Cl	hromatogra	ohy - Solul	ole						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.4		4.98		mg/Kg			08/19/21 16:44	1

Client: Tetra Tech, Inc. Job ID: 890-1122-1 Project/Site: HeartThrob Riser Spill SDG: Lea County NM

Client Sample ID: AH-10 0-1 Lab Sample ID: 890-1122-16

Date Collected: 08/17/21 12:29 Matrix: Solid Date Received: 08/17/21 16:34

Sample Depth: 0 - 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/19/21 09:40	08/20/21 05:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/19/21 09:40	08/20/21 05:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/19/21 09:40	08/20/21 05:51	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/19/21 09:40	08/20/21 05:51	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/19/21 09:40	08/20/21 05:51	1
Xylenes, Total	< 0.00396	U	0.00396		mg/Kg		08/19/21 09:40	08/20/21 05:51	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		08/19/21 09:40	08/20/21 05:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/19/21 09:40	08/20/21 05:51	1
1,4-Difluorobenzene (Surr)	92		70 - 130				08/19/21 09:40	08/20/21 05:51	1

Method: 8015B NM - Diesel R	ange Organ	ics (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		08/19/21 11:26	08/19/21 22:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 22:08	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 22:08	1
Total TPH	<49.9	U	49.9		mg/Kg		08/19/21 11:26	08/19/21 22:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				08/19/21 11:26	08/19/21 22:08	1
o-Terphenyl	109		70 - 130				08/19/21 11:26	08/19/21 22:08	1

Method: 300.0 - Anions, Ion Cl	nromatogra	phy - Solu <mark>k</mark>	ole						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.1		5.00		mg/Kg			08/19/21 16:49	1

Lab Sample ID: 890-1122-17 Client Sample ID: AH-10 1-1.5 Date Collected: 08/17/21 12:35 Matrix: Solid

Date Received: 08/17/21 16:34

Sample Depth: 1 - 1.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/19/21 09:40	08/20/21 06:11	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/19/21 09:40	08/20/21 06:11	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/19/21 09:40	08/20/21 06:11	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/19/21 09:40	08/20/21 06:11	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/19/21 09:40	08/20/21 06:11	1
Xylenes, Total	< 0.00403	U	0.00403		mg/Kg		08/19/21 09:40	08/20/21 06:11	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		08/19/21 09:40	08/20/21 06:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				08/19/21 09:40	08/20/21 06:11	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/19/21 09:40	08/20/21 06:11	1

Job ID: 890-1122-1 SDG: Lea County NM

Client: Tetra Tech, Inc.

Project/Site: HeartThrob Riser Spill

Lab Sample ID: 890-1122-17

Client Sample ID: AH-10 1-1.5 Date Collected: 08/17/21 12:35

Matrix: Solid

Date Received: 08/17/21 16:34 Sample Depth: 1 - 1.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/19/21 11:26	08/19/21 22:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/19/21 11:26	08/19/21 22:28	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/19/21 11:26	08/19/21 22:28	1
Total TPH	<50.0	U	50.0		mg/Kg		08/19/21 11:26	08/19/21 22:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				08/19/21 11:26	08/19/21 22:28	1
o-Terphenyl	110		70 - 130				08/19/21 11:26	08/19/21 22:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RLMDL Unit Prepared Analyzed Dil Fac Chloride 22.4 5.04 mg/Kg 08/19/21 16:55

Client Sample ID: AH-10 2-2.5 Lab Sample ID: 890-1122-18 Date Collected: 08/17/21 12:38

Matrix: Solid

Date Received: 08/17/21 16:34

Sample Depth: 2 - 2.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/19/21 09:40	08/20/21 06:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/19/21 09:40	08/20/21 06:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/19/21 09:40	08/20/21 06:31	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/19/21 09:40	08/20/21 06:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/19/21 09:40	08/20/21 06:31	1
Xylenes, Total	< 0.00399	U	0.00399		mg/Kg		08/19/21 09:40	08/20/21 06:31	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		08/19/21 09:40	08/20/21 06:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				08/19/21 09:40	08/20/21 06:31	1
1,4-Difluorobenzene (Surr)	95		70 - 130				08/19/21 09:40	08/20/21 06:31	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/19/21 11:26	08/19/21 22:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/19/21 11:26	08/19/21 22:48	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/19/21 11:26	08/19/21 22:48	1
Total TPH	<49.8	U	49.8		mg/Kg		08/19/21 11:26	08/19/21 22:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				08/19/21 11:26	08/19/21 22:48	1
o-Terphenyl	104		70 - 130				08/19/21 11:26	08/19/21 22:48	1

Method: 300.0 - Anions, Ion Ch	romatogra	phy - Solub	ole						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.5		5.01		mg/Kg			08/19/21 17:01	1

Job ID: 890-1122-1

Matrix: Solid

Lab Sample ID: 890-1122-19

08/19/21 09:40 08/20/21 06:52

08/19/21 09:40 08/20/21 06:52

Project/Site: HeartThrob Riser Spill

Client: Tetra Tech, Inc. SDG: Lea County NM

Client Sample ID: AH-10 3-3.5

<0.00402 U

<0.00402 U

Date Collected: 08/17/21 12:46 Date Received: 08/17/21 16:34

Sample Depth: 3 - 3.5

Xylenes, Total

Total BTEX

Campic Beptil. 0 - 0.0									
Method: 8021B - Volatile	Organic Compo	unds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/19/21 09:40	08/20/21 06:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/19/21 09:40	08/20/21 06:52	1
Ethylbenzene	< 0.00201	U	0.00201		mg/Kg		08/19/21 09:40	08/20/21 06:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/19/21 09:40	08/20/21 06:52	1
o-Xylene	< 0.00201	U	0.00201		mg/Kg		08/19/21 09:40	08/20/21 06:52	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122	70 - 130	08/19/21 09:40	08/20/21 06:52	1
1,4-Difluorobenzene (Surr)	93	70 - 130	08/19/21 09:40 (08/20/21 06:52	1

0.00402

0.00402

mg/Kg

mg/Kg

Method: 8015B NM - Diesel Rai	nge Organ	ics (DRO) (C	SC)					
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		08/19/21 11:26	08/19/21 23:08	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/19/21 11:26	08/19/21 23:08	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/19/21 11:26	08/19/21 23:08	
Total TPH	<50.0	U	50.0	ma/Ka		08/19/21 11:26	08/19/21 23:08	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	08/19/21 11:26	08/19/21 23:08	1
o-Terphenyl	111		70 - 130	08/19/21 11:26	08/19/21 23:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL MDL Unit Prepared Analyzed 4.98 08/19/21 17:06 Chloride 38.1 mg/Kg

Lab Sample ID: 890-1122-20 Client Sample ID: H-10 Date Collected: 08/17/21 13:41 **Matrix: Solid**

Date Received: 08/17/21 16:34

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/19/21 09:40	08/20/21 07:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/19/21 09:40	08/20/21 07:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/19/21 09:40	08/20/21 07:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/19/21 09:40	08/20/21 07:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/19/21 09:40	08/20/21 07:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/19/21 09:40	08/20/21 07:12	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		08/19/21 09:40	08/20/21 07:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130				08/19/21 09:40	08/20/21 07:12	1
1,4-Difluorobenzene (Surr)	98		70 - 130				08/19/21 09:40	08/20/21 07:12	1

Method: 8015B NM - Diesel Ra	inge Organi	ics (DRO) (0	SC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		08/19/21 11:26	08/19/21 23:27	1
(GRO)-C6-C10									

Job ID: 890-1122-1 SDG: Lea County NM

Project/Site: HeartThrob Riser Spill

Client Sample ID: H-10 Lab Sample ID: 890-1122-20 Date Collected: 08/17/21 13:41

Matrix: Solid

Date Received: 08/17/21 16:34

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		08/19/21 11:26	08/19/21 23:27	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/19/21 11:26	08/19/21 23:27	1
Total TPH	<50.0	U	50.0		mg/Kg		08/19/21 11:26	08/19/21 23:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				08/19/21 11:26	08/19/21 23:27	1
o-Terphenyl	107		70 - 130				08/19/21 11:26	08/19/21 23:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Prepared Analyte RL MDL Unit D Analyzed Dil Fac Chloride 4.95 mg/Kg 08/19/21 17:12 28.1

Client Sample ID: H-11

Lab Sample ID: 890-1122-21

Date Collected: 08/17/21 12:53

Matrix: Solid

Date Received: 08/17/21 16:34

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/19/21 09:40	08/20/21 08:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/19/21 09:40	08/20/21 08:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/19/21 09:40	08/20/21 08:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/19/21 09:40	08/20/21 08:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/19/21 09:40	08/20/21 08:35	1
Xylenes, Total	< 0.00399	U	0.00399		mg/Kg		08/19/21 09:40	08/20/21 08:35	1
Total BTEX	< 0.00399	U	0.00399		mg/Kg		08/19/21 09:40	08/20/21 08:35	1

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	4-Bromofluorobenzene (Surr)	107	·	70 - 130	08/19/21 09:40 08/	/20/21 08:35	1
l	1,4-Difluorobenzene (Surr)	100		70 - 130	08/19/21 09:40 08/	/20/21 08:35	1

Method:	8015B	NM -	Diesel	Range	Org	ani	CS	(DRO)	(GC)
					_		_		

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		08/19/21 16:40	08/19/21 18:51	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		08/19/21 16:40	08/19/21 18:51	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/19/21 16:40	08/19/21 18:51	1
Total TPH	<49.9	U	49.9		mg/Kg		08/19/21 16:40	08/19/21 18:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				08/19/21 16:40	08/19/21 18:51	1
o-Terphenyl	128		70 - 130				08/19/21 16:40	08/19/21 18:51	1

Method: 300.0 - Anions, Ion Cl	nromatogra	phy - Solub	ole						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.0		5.00		mg/Kg			08/20/21 11:09	1

Client Sample Results

Job ID: 890-1122-1 Client: Tetra Tech, Inc. Project/Site: HeartThrob Riser Spill SDG: Lea County NM

Client Sample ID: H-12 Lah Sample ID: 890-1122-22

ate Received: 08/17/21 16:34								
Method: 8021B - Volatile Orga	_							
Analyte		Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil F
Benzene	<0.00200	U	0.00200	mg/Kg		08/19/21 09:40	08/20/21 08:55	
Toluene	<0.00200	U	0.00200	mg/Kg		08/19/21 09:40	08/20/21 08:55	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/19/21 09:40	08/20/21 08:55	
m-Xylene & p-Xylene	< 0.00401	U	0.00401	mg/Kg		08/19/21 09:40	08/20/21 08:55	
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/19/21 09:40	08/20/21 08:55	
Xylenes, Total	< 0.00401	U	0.00401	mg/Kg		08/19/21 09:40	08/20/21 08:55	
Total BTEX	<0.00401	U	0.00401	mg/Kg		08/19/21 09:40	08/20/21 08:55	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil
4-Bromofluorobenzene (Surr)	115		70 - 130			08/19/21 09:40	08/20/21 08:55	
1,4-Difluorobenzene (Surr)	96		70 - 130			08/19/21 09:40	08/20/21 08:55	
Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC)					
		Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil F
Analyte Gasoline Range Organics		Qualifier	• •	MDL Unit mg/Kg	<u>D</u>	Prepared 08/30/21 09:17		Dil I
Analyte Gasoline Range Organics	Result	Qualifier	RL		<u>D</u>			Dil I
Analyte Gasoline Range Organics (GRO)-C6-C10	Result	Qualifier U	RL		<u>D</u>	08/30/21 09:17		Dil I
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U	RL 49.9	mg/Kg	<u>D</u>	08/30/21 09:17 08/30/21 09:17	08/30/21 17:34 08/30/21 17:34	Dil I
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 <49.9 <49.9	Qualifier U	RL 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/30/21 09:17 08/30/21 09:17 08/30/21 09:17	08/30/21 17:34 08/30/21 17:34 08/30/21 17:34	Dill
Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9	Qualifier U	RL 49.9	mg/Kg	<u>D</u>	08/30/21 09:17 08/30/21 09:17 08/30/21 09:17	08/30/21 17:34 08/30/21 17:34	Dill
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result <49.9 <49.9 <49.9	Qualifier U U U U	RL 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/30/21 09:17 08/30/21 09:17 08/30/21 09:17	08/30/21 17:34 08/30/21 17:34 08/30/21 17:34	
Analyte	Result <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49	Qualifier U U U U	49.9 49.9 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/30/21 09:17 08/30/21 09:17 08/30/21 09:17 08/30/21 09:17 <i>Prepared</i>	08/30/21 17:34 08/30/21 17:34 08/30/21 17:34 08/30/21 17:34	Dil F

Method: 300.0 - Anions, Ion C	hromatography - S	oluble					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.1	4.98	mg/Kg			08/20/21 11:14	1

Surrogate Summary

Client: Tetra Tech, Inc.

Job ID: 890-1122-1

Project/Site: HeartThrob Riser Spill

SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

			Pe
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-1122-1	H-9	119	98
890-1122-2	H-13	107	99
890-1122-2 MS	H-13	90	110
890-1122-2 MSD	H-13	81	99
890-1122-3	H-14	127	91
890-1122-4	AH-7 0-1	122	98
890-1122-5	AH-7 1-1.5	129	96
890-1122-6	AH-7 2-2.5	104	86
890-1122-7	AH-7 3-3.5	125	91
890-1122-8	AH-8 0-1	125	80
890-1122-9	AH-8 1-1.5	115	73
890-1122-10	AH-8 2-2.5	131 S1+	98
890-1122-11	AH-8 3-3.5	128	94
890-1122-11 MS	AH-8 3-3.5	123	99
890-1122-11 MSD	AH-8 3-3.5	331 S1+	282 S1+
890-1122-12	AH-9 0-1	128	90
890-1122-13	AH-9 1-1.5	140 S1+	99
890-1122-14	AH-9 2-2.5	126	89
890-1122-15	AH-9 3-3.5	124	94
890-1122-16	AH-10 0-1	119	94 92
890-1122-17	AH-10 0-1 AH-10 1-1.5	126	92 96
890-1122-17	AH-10 1-1.5 AH-10 2-2.5	126	95
890-1122-18 890-1122-19		120	
	AH-10 3-3.5		93
890-1122-20	H-10	136 S1+	98
890-1122-21	H-11	107	100
890-1122-22	H-12	115	96
LCS 880-6736/1-A	Lab Control Sample	105	102
LCS 880-6773/1-A	Lab Control Sample	111	103
LCS 880-6818/1-A	Lab Control Sample	98	126
LCSD 880-6736/2-A	Lab Control Sample Dup	94	98
LCSD 880-6773/2-A	Lab Control Sample Dup	117	102
LCSD 880-6818/2-A	Lab Control Sample Dup	88	117
MB 880-6736/5-A	Method Blank	93	93
MB 880-6773/5-A	Method Blank	94	94
MB 880-6818/5-A	Method Blank	62 S1-	99
LCSD 880-6818/2-A MB 880-6736/5-A MB 880-6773/5-A	Lab Control Sample Dup Method Blank Method Blank	88 93 94	117 93 94

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

_			Perce	nt Surrogate R	Recovery (Acc
		1CO1	OTPH1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
880-5232-A-1-C MS	Matrix Spike	98	96		
880-5232-A-1-D MSD	Matrix Spike Duplicate	96	94		
890-1122-1	H-9	106	110		
890-1122-1 MS	H-9	108	101		

Eurofins Xenco, Carlsbad

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Surrogate Summary

Client: Tetra Tech, Inc.

Project/Site: HeartThrob Riser Spill

SDG: Lea County NM

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

Matrix: Solid Prep Type: Total/NA

				rcent Surrogate Recove
		1001	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-1122-1 MSD	H-9	103	102	
890-1122-2	H-13	114	115	
890-1122-3	H-14	111	112	
890-1122-4	AH-7 0-1	107	110	
890-1122-5	AH-7 1-1.5	100	102	
890-1122-6	AH-7 2-2.5	105	108	
890-1122-7	AH-7 3-3.5	111	113	
890-1122-8	AH-8 0-1	103	105	
890-1122-9	AH-8 1-1.5	102	108	
890-1122-10	AH-8 2-2.5	107	110	
890-1122-11	AH-8 3-3.5	111	114	
890-1122-12	AH-9 0-1	104	107	
890-1122-13	AH-9 1-1.5	103	107	
890-1122-14	AH-9 2-2.5	110	112	
890-1122-15	AH-9 3-3.5	104	108	
890-1122-16	AH-10 0-1	105	109	
890-1122-17	AH-10 1-1.5	106	110	
890-1122-18	AH-10 2-2.5	99	104	
890-1122-19	AH-10 3-3.5	108	111	
890-1122-20	H-10	102	107	
890-1122-21	H-11	109	128	
890-1122-22	H-12	113	129	
890-1183-A-1-C MS	Matrix Spike	90	89	
890-1183-A-1-D MSD	Matrix Spike Duplicate	90	90	
LCS 880-6751/2-A	Lab Control Sample	93	93	
LCS 880-6791/2-A	Lab Control Sample	106	106	
LCS 880-7251/2-A	Lab Control Sample	90	92	
LCSD 880-6751/3-A	Lab Control Sample Dup	106	110	
LCSD 880-6791/3-A	Lab Control Sample Dup	100	101	
LCSD 880-7251/3-A	Lab Control Sample Dup	90	93	
MB 880-6751/1-A	Method Blank	120	131 S1+	
MB 880-6791/1-A	Method Blank	113	124	
MB 880-7251/1-A	Method Blank	89	98	
300 1201/11/1	ouiod Diam	00	00	

Surrogate Legend

1CO = 1-Chlorooctane OTPH = o-Terphenyl

Client: Tetra Tech, Inc. Job ID: 890-1122-1 Project/Site: HeartThrob Riser Spill SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-6736/5-A

Matrix: Solid

Analysis Batch: 6771

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 6736

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/19/21 09:45	08/19/21 12:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/19/21 09:45	08/19/21 12:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/19/21 09:45	08/19/21 12:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/19/21 09:45	08/19/21 12:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/19/21 09:45	08/19/21 12:25	1
Xylenes, Total	< 0.00400	U	0.00400		mg/Kg		08/19/21 09:45	08/19/21 12:25	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		08/19/21 09:45	08/19/21 12:25	1

MB MB

Sur	rogate	%Recovery	Qualifier	Limits	Prepared Analyzed	Dil Fac
4-Bı	romofluorobenzene (Surr)	93		70 - 130	08/19/21 09:45 08/19/21 12:25	1
1,4-	Difluorobenzene (Surr)	93		70 - 130	08/19/21 09:45 08/19/21 12:25	1

Lab Sample ID: LCS 880-6736/1-A

Matrix: Solid

Analysis Batch: 6771

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 6736

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.07762		mg/Kg		78	70 - 130	
Toluene	0.100	0.07611		mg/Kg		76	70 - 130	
Ethylbenzene	0.100	0.07854		mg/Kg		79	70 - 130	
m-Xylene & p-Xylene	0.200	0.1641		mg/Kg		82	70 - 130	
o-Xylene	0.100	0.08208		mg/Kg		82	70 - 130	

LCS LCS

Surrogate	%Recovery Quali	fier Limits
4-Bromofluorobenzene (Surr)	105	70 - 130
1.4-Difluorobenzene (Surr)	102	70 - 130

Lab Sample ID: LCSD 880-6736/2-A

Matrix: Solid

Analysis Batch: 6771

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 6736

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.06115	*_	mg/Kg		61	70 - 130	24	35
Toluene	0.100	0.06230	*-	mg/Kg		62	70 - 130	20	35
Ethylbenzene	0.100	0.06704	*_	mg/Kg		67	70 - 130	16	35
m-Xylene & p-Xylene	0.200	0.1355	*_	mg/Kg		68	70 - 130	19	35
o-Xylene	0.100	0.06335	*_	mg/Kg		63	70 - 130	26	35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	94	70 - 130
1.4-Difluorobenzene (Surr)	98	70 - 130

Lab Sample ID: MB 880-6773/5-A

Matrix: Solid

Analysis Batch: 6771

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 6773

MB MB

MDL Unit Analyte Result Qualifier Prepared Analyzed Benzene <0.00200 U 0.00200 mg/Kg 08/19/21 09:40 08/20/21 03:47

Client: Tetra Tech, Inc. Project/Site: HeartThrob Riser Spill

Job ID: 890-1122-1 SDG: Lea County NM

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

Lab Sample ID: MB 880-6773/5-A **Matrix: Solid**

Analysis Batch: 6771

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

Prep Batch: 6773

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00200	U	0.00200		mg/Kg		08/19/21 09:40	08/20/21 03:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/19/21 09:40	08/20/21 03:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/19/21 09:40	08/20/21 03:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/19/21 09:40	08/20/21 03:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/19/21 09:40	08/20/21 03:47	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		08/19/21 09:40	08/20/21 03:47	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	08/19/21 09:40 08/20/21 03:47	1
1,4-Difluorobenzene (Surr)	94		70 - 130	08/19/21 09:40 08/20/21 03:47	1

Lab Sample ID: LCS 880-6773/1-A

Matrix: Solid

Analysis Batch: 6771

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

Prep Batch: 6773

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08238		mg/Kg		82	70 - 130	
Toluene	0.100	0.07851		mg/Kg		79	70 - 130	
Ethylbenzene	0.100	0.08240		mg/Kg		82	70 - 130	
m-Xylene & p-Xylene	0.200	0.1670		mg/Kg		83	70 - 130	
o-Xylene	0.100	0.08497		mg/Kg		85	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-6773/2-A

Matrix: Solid

Analysis Batch: 6771

Client Sample	ID: Lab	Control	Sampl	e Dup
		Dune To	Tak	L-I/NIA

Prep Type: Total/NA Prep Batch: 6773

	Spike	LCSD LCSD			%Rec.		RPD
Analyte	Added	Result Qualifi	er Unit	D %Rec	Limits	RPD	Limit
Benzene	0.100	0.08245	mg/Kg	82	70 - 130	0	35
Toluene	0.100	0.08173	mg/Kg	82	70 - 130	4	35
Ethylbenzene	0.100	0.08551	mg/Kg	86	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1749	mg/Kg	87	70 - 130	5	35
o-Xylene	0.100	0.08925	mg/Kg	89	70 - 130	5	35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	117	70 - 130
1,4-Difluorobenzene (Surr)	102	70 - 130

Lab Sample ID: 890-1122-11 MS

Matrix: Solid

Analysis Batch: 6771

Client Sample ID: AH-8 3-3.5 **Prep Type: Total/NA**

Prep Batch: 6773

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U F2 F1	0.100	0.07116		mg/Kg		71	70 - 130	
Toluene	<0.00200	U F2 F1	0.100	0.07013		mg/Kg		70	70 - 130	

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Client: Tetra Tech, Inc.

Project/Site: HeartThrob Riser Spill

Job ID: 890-1122-1

SDG: Lea County NM

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

Lab Sample ID: 890-1122-11 MS

Lab Sample ID: 890-1122-11 MSD

Matrix: Solid

Analysis Batch: 6771

Client Sample ID: AH-8 3-3.5

Prep Type: Total/NA

Prep Batch: 6773

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00200	U F2 F1	0.100	0.07172		mg/Kg		72	70 - 130	
m-Xylene & p-Xylene	<0.00400	U F2 F1	0.200	0.1468		mg/Kg		73	70 - 130	
o-Xylene	<0.00200	U F2 F1	0.100	0.07482		mg/Kg		74	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	123		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Client Sample ID: AH-8 3-3.5

Prep Type: Total/NA

Prep Batch: 6773

Matrix: Solid

Analysis Batch: 6771

-	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U F2 F1	0.0996	0.2042	F1 F2	mg/Kg		205	70 - 130	97	35
Toluene	<0.00200	U F2 F1	0.0996	0.2006	F1 F2	mg/Kg		201	70 - 130	96	35
Ethylbenzene	<0.00200	U F2 F1	0.0996	0.2013	F1 F2	mg/Kg		202	70 - 130	95	35
m-Xylene & p-Xylene	<0.00400	U F2 F1	0.199	0.4121	F1 F2	mg/Kg		207	70 - 130	95	35
o-Xylene	<0.00200	U F2 F1	0.0996	0.2090	F1 F2	mg/Kg		209	70 - 130	95	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	331	S1+	70 - 130
1,4-Difluorobenzene (Surr)	282	S1+	70 - 130

Lab Sample ID: MB 880-6818/5-A

Matrix: Solid

Analysis Batch: 6776

Client Sample ID: Method Blank **Prep Type: Total/NA**

Prep Batch: 6818

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/20/21 08:45	08/20/21 11:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/20/21 08:45	08/20/21 11:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/20/21 08:45	08/20/21 11:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/20/21 08:45	08/20/21 11:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/20/21 08:45	08/20/21 11:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/20/21 08:45	08/20/21 11:01	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		08/20/21 08:45	08/20/21 11:01	1

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	62	S1-	70 - 130	08/20/21 08:45	08/20/21 11:01	1
1,4-Difluorobenzene (Surr)	99		70 - 130	08/20/21 08:45	08/20/21 11:01	1

Lab Sample ID: LCS 880-6818/1-A

Released to Imaging: 10/15/2021 9:03:08 AM

Matrix: Solid

Analysis Batch: 6776

Client Sample II	D: Lab Control Sample
	Prep Type: Total/NA
	Pron Ratch: 6818

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1048		mg/Kg		105	70 - 130	 _
Toluene	0.100	0.1025		mg/Kg		102	70 - 130	
Ethylbenzene	0.100	0.1055		mg/Kg		105	70 - 130	

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Client: Tetra Tech, Inc.

Project/Site: HeartThrob Riser Spill

Job ID: 890-1122-1 SDG: Lea County NM

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

Lab Sample ID: LCS 880-6818/1-A

Matrix: Solid

Analysis Batch: 6776

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

Prep Batch: 6818

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits m-Xylene & p-Xylene 0.200 0.2099 mg/Kg 105 70 - 130 o-Xylene 0.100 0.1046 mg/Kg 105 70 - 130

%Rec.

LCS LCS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 98 70 - 130 1,4-Difluorobenzene (Surr) 126 70 - 130

Lab Sample ID: LCSD 880-6818/2-A

Matrix: Solid

Analysis Batch: 6776

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

Prep Batch: 6818

Spike LCSD LCSD %Rec. Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Benzene 0.100 0.09970 mg/Kg 100 70 - 130 5 Toluene 0.100 0.09858 mg/Kg 70 - 130 99 4 0.1002 mg/Kg 100 70 - 130 35 Ethylbenzene 0.100 m-Xylene & p-Xylene 0.200 0.1992 mg/Kg 100 70 - 130 5 35 o-Xylene 0.09836 mg/Kg 98 70 - 130 35 0.100

RPD Limit 35 35

LCSD LCSD

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 70 - 130 88 1,4-Difluorobenzene (Surr) 117 70 - 130

Lab Sample ID: 890-1122-2 MS

Matrix: Solid

Analysis Batch: 6776

Client Sample ID: H-13 Prep Type: Total/NA

Prep Batch: 6818

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00198	U	0.101	0.1084		mg/Kg		107	70 - 130	
Toluene	<0.00198	U	0.101	0.1072		mg/Kg		106	70 - 130	
Ethylbenzene	<0.00198	U	0.101	0.1078		mg/Kg		107	70 - 130	
m-Xylene & p-Xylene	<0.00396	U	0.202	0.2118		mg/Kg		105	70 - 130	
o-Xylene	<0.00198	U	0.101	0.1005		mg/Kg		99	70 - 130	

MS MS

Surrogate Qualifier Limits %Recovery 70 - 130 4-Bromofluorobenzene (Surr) 90 110 70 - 130 1,4-Difluorobenzene (Surr)

Lab Sample ID: 890-1122-2 MSD

Matrix: Solid

Analysis Batch: 6776

Client Sample ID: H-13 Prep Type: Total/NA

Prep Batch: 6818

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00198	U	0.100	0.08509		mg/Kg		85	70 - 130	24	35
Toluene	<0.00198	U	0.100	0.09168		mg/Kg		92	70 - 130	16	35
Ethylbenzene	<0.00198	U	0.100	0.09305		mg/Kg		93	70 - 130	15	35
m-Xylene & p-Xylene	<0.00396	U	0.200	0.1846		mg/Kg		92	70 - 130	14	35
o-Xylene	<0.00198	U	0.100	0.08880		mg/Kg		89	70 - 130	12	35

Client: Tetra Tech, Inc.

Job ID: 890-1122-1
Project/Site: HeartThrob Riser Spill

SDG: Lea County NM

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

Lab Sample ID: 890-1122-2 MSD

Matrix: Solid

Analysis Batch: 6776

Client Sample ID: H-13 Prep Type: Total/NA

Prep Batch: 6818

MSD MSD

 Surrogate
 %Recovery
 Qualifier
 Limits

 4-Bromofluorobenzene (Surr)
 81
 70 - 130

 1,4-Difluorobenzene (Surr)
 99
 70 - 130

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

Lab Sample ID: MB 880-6751/1-A

Matrix: Solid

Analysis Batch: 6802

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 6751

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/18/21 15:17	08/19/21 13:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/18/21 15:17	08/19/21 13:30	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/21 15:17	08/19/21 13:30	1
Total TPH	<50.0	U	50.0		mg/Kg		08/18/21 15:17	08/19/21 13:30	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	08/18/21 15:17 08/19/21 13:30	1
o-Terphenyl	131	S1+	70 - 130	08/18/21 15:17 08/19/21 13:30	1

Lab Sample ID: LCS 880-6751/2-A

Matrix: Solid

Analysis Batch: 6802

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 6751

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 1000 808.8 mg/Kg 81 70 - 130 (GRO)-C6-C10 1000 926.3 Diesel Range Organics (Over mg/Kg 93 70 - 130

C10-C28)

LCS LCS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	93	70 - 130
o-Terphenyl	93	70 - 130

Lab Sample ID: LCSD 880-6751/3-A

Matrix: Solid

Analysis Batch: 6802

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

Prep Batch: 6751

Spike LCSD LCSD %Rec. **RPD** Added Result Qualifier Limits RPD Limit Analyte Unit %Rec Gasoline Range Organics 1000 815.9 mg/Kg 82 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 1085 108 mg/Kg 70 - 130 16 20

C10-C28)

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	110		70 - 130

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Client: Tetra Tech, Inc. Job ID: 890-1122-1 Project/Site: HeartThrob Riser Spill

SDG: Lea County NM

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

Lab Sample ID: 880-5232-A-1-C MS **Client Sample ID: Matrix Spike Matrix: Solid Prep Type: Total/NA** Prep Batch: 6751 **Analysis Batch: 6802**

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	803.1		mg/Kg		77	70 - 130	
Diesel Range Organics (Over	<50.0	U	995	964.9		mg/Kg		97	70 - 130	

C10-C28)

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: 880-5232-A-1-D MSD Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

Matrix: Solid Analysis Batch: 6802

Analysis Batch: 6802									Prep	Batch:	6751
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	821.9		mg/Kg		78	70 - 130	2	20
Diesel Range Organics (Over	<50.0	U	998	950.9		mg/Kg		95	70 - 130	1	20

MSD MSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 96 70 - 130 o-Terphenyl 94 70 - 130

Lab Sample ID: MB 880-6791/1-A **Client Sample ID: Method Blank Matrix: Solid Prep Type: Total/NA Analysis Batch: 6806** Prep Batch: 6791

MR MR

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/19/21 11:26	08/19/21 15:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/19/21 11:26	08/19/21 15:02	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/19/21 11:26	08/19/21 15:02	1
Total TPH	<50.0	U	50.0		mg/Kg		08/19/21 11:26	08/19/21 15:02	1

	МВ	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	08/19/21 11:26	08/19/21 15:02	1
o-Terphenyl	124		70 - 130	08/19/21 11:26	08/19/21 15:02	1

Lab Sample ID: LCS 880-6791/2-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 6806

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	859.6		mg/Kg		86	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	909.4		mg/Kg		91	70 - 130	
C10-C28)								

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Prep Batch: 6791

Project/Site: HeartThrob Riser Spill

Client: Tetra Tech, Inc.

Job ID: 890-1122-1

SDG: Lea County NM

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

Lab Sample ID: LCS 880-6791/2-A

Lab Sample ID: LCSD 880-6791/3-A

Lab Sample ID: 890-1122-1 MS

Matrix: Solid

Analysis Batch: 6806

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 6791

LCS LCS

%Recovery Qualifier Surrogate Limits 1-Chlorooctane 106 70 - 130 o-Terphenyl 106 70 - 130

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 6806

Prep Type: Total/NA

Prep Batch: 6791 RPD

LCSD LCSD Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics 1000 830.0 mg/Kg 83 70 - 130 3 20 (GRO)-C6-C10 1000 Diesel Range Organics (Over 841.7 mg/Kg 84 70 - 130 8 20

C10-C28)

Matrix: Solid

Analysis Batch: 6806

Analysis Batch: 6806

LCSD LCSD

Surrogate	%Recovery Qualifie	r Limits
1-Chlorooctane	100	70 - 130
o-Terphenyl	101	70 - 130

Client Sample ID: H-9 Prep Type: Total/NA

Prep Batch: 6791

Sample Sample Spike MS MS %Rec. Result Qualifier Added Result Qualifier Limits Analyte Unit D %Rec <50.0 U Gasoline Range Organics 995 1099 mg/Kg 106 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 995 <50.0 U 985.1 mg/Kg 99 70 - 130

C10-C28)

MS MS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 108 70 - 130 o-Terphenyl 101 70 - 130

Lab Sample ID: 890-1122-1 MSD Client Sample ID: H-9 **Matrix: Solid Prep Type: Total/NA**

> Prep Batch: 6791 %Rec. **RPD**

Sample Sample Spike MSD MSD Result Qualifier Added Result Qualifier Limits **RPD** Limit Analyte Unit %Rec <50.0 U 998 1079 103 70 - 130 2 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 998 952.5 mg/Kg 95 70 - 130 3 20

C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	102		70 - 130

Client: Tetra Tech, Inc.

Job ID: 890-1122-1 Project/Site: HeartThrob Riser Spill

SDG: Lea County NM

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

Lab Sample ID: MB 880-7251/1-A

Matrix: Solid

Analysis Batch: 7247

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 7251

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/30/21 09:17	08/30/21 10:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/30/21 09:17	08/30/21 10:36	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/30/21 09:17	08/30/21 10:36	1
Total TPH	<50.0	U	50.0		mg/Kg		08/30/21 09:17	08/30/21 10:36	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	08/30/21 09:17	08/30/21 10:36	1
o-Terphenyl	98		70 - 130	08/30/21 09:17 0)8/30/21 10:36	1

Lab Sample ID: LCS 880-7251/2-A

Matrix: Solid

Analysis Batch: 7247

Client Sample ID: Lab Control Samp	le
Prep Type: Total/N	۱A
Prep Batch: 72	51
%Rec.	

Spike LCS LCS Analyte Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 1000 828.4 mg/Kg 83 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 1000 905.0 mg/Kg 91 70 - 130

C10-C28)

	LUS LUS	
Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	90	70 - 130
o-Terphenvl	92	70 - 130

Lab Sample ID: LCSD 880-7251/3-A

Matrix: Solid

Analysis Ratch: 7247

Prep Type: Total/NA Pren Batch: 7251

Alialysis Dalcii. 1241							Frep	Daten.	<i>1</i> 25 I
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	821.2		mg/Kg		82	70 - 130	1	20
(GRO)-C6-C10	4000	000.0				00	70 400	4	20
Diesel Range Organics (Over C10-C28)	1000	896.8		mg/Kg		90	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: 890-1183-A-1-C MS

Matrix: Solid

Analysis Batch: 7247

Client Sample ID: Matrix Spik	е
Pren Type: Total/N	Δ

Prep Batch: 7251

7 maryolo Batolii 12-11										Datoiii 120	
	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	856.4		mg/Kg		86	70 - 130		_
Diesel Range Organics (Over C10-C28)	<50.0	U	995	858.2		mg/Kg		86	70 - 130		

Client: Tetra Tech, Inc. Project/Site: HeartThrob Riser Spill

Job ID: 890-1122-1

SDG: Lea County NM

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

Lab Sample ID: 890-1183-A-1-C MS

Lab Sample ID: 890-1183-A-1-D MSD

Matrix: Solid

Matrix: Solid Analysis Batch: 7247

Client Sample ID: Matrix Spike	Client	Sample	ID:	Matrix	Spike
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Prep Type: Total/NA Prep Batch: 7251

MS MS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 90 70 - 130 o-Terphenyl 89 70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Prep Batch: 7251

Analysis Batch: 7247 RPD MSD MSD Sample Sample Spike %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics <50.0 U 998 876.6 mg/Kg 88 70 - 130 2 20 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 998 867.3 mg/Kg 87 70 - 130 20

C10-C28)

MSD MSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 90 70 - 130 70 - 130 o-Terphenyl 90

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-6747/1-A **Client Sample ID: Method Blank**

MB MB

Matrix: Solid

Analysis Batch: 6812

Prep Type: Soluble

RL Result Qualifier **MDL** Unit Prepared Analyzed Dil Fac 5.00 08/19/21 14:23 <5.00 U mg/Kg

Lab Sample ID: LCS 880-6747/2-A

Matrix: Solid

Analyte

Chloride

Analysis Batch: 6812

Spike LCS LCS %Rec. Analyte Added Result Qualifier D %Rec Limits Unit 250 251.7 Chloride mg/Kg 101 90 - 110

Lab Sample ID: LCSD 880-6747/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid**

Analysis Batch: 6812

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	 250	250.9		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 890-1122-1 MS

Released to Imaging: 10/15/2021 9:03:08 AM

Matrix: Solid

Analysis Batch: 6812

Allalysis Batoli. 0012										
	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	28.0		249	284.4		mg/Kg		103	90 - 110	

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Client Sample ID: H-9

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Client: Tetra Tech, Inc. Job ID: 890-1122-1 Project/Site: HeartThrob Riser Spill

SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-1122-1 MSD Client Sample ID: H-9 **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6812

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	28.0		249	284.2		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 890-1122-11 MS Client Sample ID: AH-8 3-3.5 **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6812

	Sample	Sample	Бріке	IVIS	IVIS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	22.9		250	281.7		mg/Kg		104	90 - 110	

Lab Sample ID: 890-1122-11 MSD Client Sample ID: AH-8 3-3.5 **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 6812

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	22.9		250	281.2		mg/Kg		104	90 - 110	0	20

Lab Sample ID: MB 880-6817/1-A **Client Sample ID: Method Blank** Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 6822

MB MB Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 08/20/21 08:54 mg/Kg

Client Sample ID: Lab Control Sample Lab Sample ID: LCS 880-6817/2-A

Matrix: Solid

Analysis Batch: 6822

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	252.5		ma/Ka	_	101	90 - 110	

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 880-6817/3-A **Matrix: Solid**

Analysis Batch: 6822

	\$	pike	LCSD	LCSD				%Rec.		RPD
Analyte	A	dded	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride		250	253.0		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-5271-A-3-C MS **Client Sample ID: Matrix Spike Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 6822

	Sample Sample	Spike	MS	MS				%Rec.
Analyte	Result Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Chloride	213	250	456.5		mg/Kg		98	90 - 110

Lab Sample ID: 880-5271-A-3-D MSD **Client Sample ID: Matrix Spike Duplicate Prep Type: Soluble**

Matrix: Solid

Analysis Ratch: 6822

Analysis Balch: 6022											
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	213		250	458.3		mg/Kg		98	90 - 110	0	20

Eurofins Xenco, Carlsbad

Prep Type: Soluble

Prep Type: Soluble

Released to Imaging: 10/15/2021 9:03:08 AM

Client: Tetra Tech, Inc.

Project/Site: HeartThrob Riser Spill

Job ID: 890-1122-1 SDG: Lea County NM

GC VOA

Prep Batch: 6736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1122-1	H-9	Total/NA	Solid	5035	
890-1122-3	H-14	Total/NA	Solid	5035	
890-1122-4	AH-7 0-1	Total/NA	Solid	5035	
890-1122-5	AH-7 1-1.5	Total/NA	Solid	5035	
890-1122-6	AH-7 2-2.5	Total/NA	Solid	5035	
890-1122-7	AH-7 3-3.5	Total/NA	Solid	5035	
890-1122-8	AH-8 0-1	Total/NA	Solid	5035	
890-1122-9	AH-8 1-1.5	Total/NA	Solid	5035	
890-1122-10	AH-8 2-2.5	Total/NA	Solid	5035	
MB 880-6736/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-6736/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-6736/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 6771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1122-1	H-9	Total/NA	Solid	8021B	6736
890-1122-3	H-14	Total/NA	Solid	8021B	6736
890-1122-4	AH-7 0-1	Total/NA	Solid	8021B	6736
890-1122-5	AH-7 1-1.5	Total/NA	Solid	8021B	6736
890-1122-6	AH-7 2-2.5	Total/NA	Solid	8021B	6736
890-1122-7	AH-7 3-3.5	Total/NA	Solid	8021B	6736
890-1122-8	AH-8 0-1	Total/NA	Solid	8021B	6736
890-1122-9	AH-8 1-1.5	Total/NA	Solid	8021B	6736
890-1122-10	AH-8 2-2.5	Total/NA	Solid	8021B	6736
890-1122-11	AH-8 3-3.5	Total/NA	Solid	8021B	6773
890-1122-12	AH-9 0-1	Total/NA	Solid	8021B	6773
890-1122-13	AH-9 1-1.5	Total/NA	Solid	8021B	6773
890-1122-14	AH-9 2-2.5	Total/NA	Solid	8021B	6773
890-1122-15	AH-9 3-3.5	Total/NA	Solid	8021B	6773
890-1122-16	AH-10 0-1	Total/NA	Solid	8021B	6773
890-1122-17	AH-10 1-1.5	Total/NA	Solid	8021B	6773
890-1122-18	AH-10 2-2.5	Total/NA	Solid	8021B	6773
890-1122-19	AH-10 3-3.5	Total/NA	Solid	8021B	6773
890-1122-20	H-10	Total/NA	Solid	8021B	6773
890-1122-21	H-11	Total/NA	Solid	8021B	6773
890-1122-22	H-12	Total/NA	Solid	8021B	6773
MB 880-6736/5-A	Method Blank	Total/NA	Solid	8021B	6736
MB 880-6773/5-A	Method Blank	Total/NA	Solid	8021B	6773
LCS 880-6736/1-A	Lab Control Sample	Total/NA	Solid	8021B	6736
LCS 880-6773/1-A	Lab Control Sample	Total/NA	Solid	8021B	6773
LCSD 880-6736/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	6736
LCSD 880-6773/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	6773
890-1122-11 MS	AH-8 3-3.5	Total/NA	Solid	8021B	6773
890-1122-11 MSD	AH-8 3-3.5	Total/NA	Solid	8021B	6773

Prep Batch: 6773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
890-1122-11	AH-8 3-3.5	Total/NA	Solid	5035
890-1122-12	AH-9 0-1	Total/NA	Solid	5035
890-1122-13	AH-9 1-1.5	Total/NA	Solid	5035
890-1122-14	AH-9 2-2.5	Total/NA	Solid	5035

Eurofins Xenco, Carlsbad

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Client: Tetra Tech, Inc.

Project/Site: HeartThrob Riser Spill

Job ID: 890-1122-1 SDG: Lea County NM

GC VOA (Continued)

Prep Batch: 6773 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1122-15	AH-9 3-3.5	Total/NA	Solid	5035	
890-1122-16	AH-10 0-1	Total/NA	Solid	5035	
890-1122-17	AH-10 1-1.5	Total/NA	Solid	5035	
890-1122-18	AH-10 2-2.5	Total/NA	Solid	5035	
890-1122-19	AH-10 3-3.5	Total/NA	Solid	5035	
890-1122-20	H-10	Total/NA	Solid	5035	
890-1122-21	H-11	Total/NA	Solid	5035	
890-1122-22	H-12	Total/NA	Solid	5035	
MB 880-6773/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-6773/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-6773/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1122-11 MS	AH-8 3-3.5	Total/NA	Solid	5035	
890-1122-11 MSD	AH-8 3-3.5	Total/NA	Solid	5035	

Analysis Batch: 6776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1122-2	H-13	Total/NA	Solid	8021B	6818
MB 880-6818/5-A	Method Blank	Total/NA	Solid	8021B	6818
LCS 880-6818/1-A	Lab Control Sample	Total/NA	Solid	8021B	6818
LCSD 880-6818/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	6818
890-1122-2 MS	H-13	Total/NA	Solid	8021B	6818
890-1122-2 MSD	H-13	Total/NA	Solid	8021B	6818

Prep Batch: 6818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1122-2	H-13	Total/NA	Solid	5035	
MB 880-6818/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-6818/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-6818/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1122-2 MS	H-13	Total/NA	Solid	5035	
890-1122-2 MSD	H-13	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 6751

Lab Sample ID 890-1122-21	Client Sample ID H-11	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
MB 880-6751/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-6751/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-6751/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-5232-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-5232-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 6791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1122-1	H-9	Total/NA	Solid	8015NM Prep	
890-1122-2	H-13	Total/NA	Solid	8015NM Prep	
890-1122-3	H-14	Total/NA	Solid	8015NM Prep	
890-1122-4	AH-7 0-1	Total/NA	Solid	8015NM Prep	
890-1122-5	AH-7 1-1.5	Total/NA	Solid	8015NM Prep	
890-1122-6	AH-7 2-2.5	Total/NA	Solid	8015NM Prep	

Client: Tetra Tech, Inc. Job ID: 890-1122-1 Project/Site: HeartThrob Riser Spill SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 6791 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1122-7	AH-7 3-3.5	Total/NA	Solid	8015NM Prep	
890-1122-8	AH-8 0-1	Total/NA	Solid	8015NM Prep	
890-1122-9	AH-8 1-1.5	Total/NA	Solid	8015NM Prep	
890-1122-10	AH-8 2-2.5	Total/NA	Solid	8015NM Prep	
890-1122-11	AH-8 3-3.5	Total/NA	Solid	8015NM Prep	
890-1122-12	AH-9 0-1	Total/NA	Solid	8015NM Prep	
890-1122-13	AH-9 1-1.5	Total/NA	Solid	8015NM Prep	
890-1122-14	AH-9 2-2.5	Total/NA	Solid	8015NM Prep	
890-1122-15	AH-9 3-3.5	Total/NA	Solid	8015NM Prep	
890-1122-16	AH-10 0-1	Total/NA	Solid	8015NM Prep	
890-1122-17	AH-10 1-1.5	Total/NA	Solid	8015NM Prep	
890-1122-18	AH-10 2-2.5	Total/NA	Solid	8015NM Prep	
890-1122-19	AH-10 3-3.5	Total/NA	Solid	8015NM Prep	
890-1122-20	H-10	Total/NA	Solid	8015NM Prep	
MB 880-6791/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-6791/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-6791/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1122-1 MS	H-9	Total/NA	Solid	8015NM Prep	
890-1122-1 MSD	H-9	Total/NA	Solid	8015NM Prep	

Analysis Batch: 6802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1122-21	H-11	Total/NA	Solid	8015B NM	6751
MB 880-6751/1-A	Method Blank	Total/NA	Solid	8015B NM	6751
LCS 880-6751/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	6751
LCSD 880-6751/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	6751
880-5232-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	6751
880-5232-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	6751

Analysis Batch: 6806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1122-1	H-9	Total/NA	Solid	8015B NM	6791
890-1122-2	H-13	Total/NA	Solid	8015B NM	6791
890-1122-3	H-14	Total/NA	Solid	8015B NM	6791
890-1122-4	AH-7 0-1	Total/NA	Solid	8015B NM	6791
890-1122-5	AH-7 1-1.5	Total/NA	Solid	8015B NM	6791
890-1122-6	AH-7 2-2.5	Total/NA	Solid	8015B NM	6791
890-1122-7	AH-7 3-3.5	Total/NA	Solid	8015B NM	6791
890-1122-8	AH-8 0-1	Total/NA	Solid	8015B NM	6791
890-1122-9	AH-8 1-1.5	Total/NA	Solid	8015B NM	6791
890-1122-10	AH-8 2-2.5	Total/NA	Solid	8015B NM	6791
890-1122-11	AH-8 3-3.5	Total/NA	Solid	8015B NM	6791
890-1122-12	AH-9 0-1	Total/NA	Solid	8015B NM	6791
890-1122-13	AH-9 1-1.5	Total/NA	Solid	8015B NM	6791
890-1122-14	AH-9 2-2.5	Total/NA	Solid	8015B NM	6791
890-1122-15	AH-9 3-3.5	Total/NA	Solid	8015B NM	6791
890-1122-16	AH-10 0-1	Total/NA	Solid	8015B NM	6791
890-1122-17	AH-10 1-1.5	Total/NA	Solid	8015B NM	6791
890-1122-18	AH-10 2-2.5	Total/NA	Solid	8015B NM	6791
890-1122-19	AH-10 3-3.5	Total/NA	Solid	8015B NM	6791
890-1122-20	H-10	Total/NA	Solid	8015B NM	6791

Client: Tetra Tech, Inc. Job ID: 890-1122-1 Project/Site: HeartThrob Riser Spill SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 6806 (Continued)

Lab Sample ID MB 880-6791/1-A	Client Sample ID Method Blank	Prep Type Total/NA	Matrix Solid	Method 8015B NM	Prep Batch 6791
LCS 880-6791/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	6791
LCSD 880-6791/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	6791
890-1122-1 MS	H-9	Total/NA	Solid	8015B NM	6791
890-1122-1 MSD	H-9	Total/NA	Solid	8015B NM	6791

Analysis Batch: 7247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1122-22	H-12	Total/NA	Solid	8015B NM	7251
MB 880-7251/1-A	Method Blank	Total/NA	Solid	8015B NM	7251
LCS 880-7251/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	7251
LCSD 880-7251/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	7251
890-1183-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	7251
890-1183-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	7251

Prep Batch: 7251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1122-22	H-12	Total/NA	Solid	8015NM Prep	
MB 880-7251/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-7251/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-7251/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1183-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1183-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 6747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-1122-1	H-9	Soluble	Solid	DI Leach	
890-1122-2	H-13	Soluble	Solid	DI Leach	
890-1122-3	H-14	Soluble	Solid	DI Leach	
890-1122-4	AH-7 0-1	Soluble	Solid	DI Leach	
890-1122-5	AH-7 1-1.5	Soluble	Solid	DI Leach	
890-1122-6	AH-7 2-2.5	Soluble	Solid	DI Leach	
890-1122-7	AH-7 3-3.5	Soluble	Solid	DI Leach	
890-1122-8	AH-8 0-1	Soluble	Solid	DI Leach	
890-1122-9	AH-8 1-1.5	Soluble	Solid	DI Leach	
890-1122-10	AH-8 2-2.5	Soluble	Solid	DI Leach	
890-1122-11	AH-8 3-3.5	Soluble	Solid	DI Leach	
890-1122-12	AH-9 0-1	Soluble	Solid	DI Leach	
890-1122-13	AH-9 1-1.5	Soluble	Solid	DI Leach	
890-1122-14	AH-9 2-2.5	Soluble	Solid	DI Leach	
890-1122-15	AH-9 3-3.5	Soluble	Solid	DI Leach	
890-1122-16	AH-10 0-1	Soluble	Solid	DI Leach	
890-1122-17	AH-10 1-1.5	Soluble	Solid	DI Leach	
890-1122-18	AH-10 2-2.5	Soluble	Solid	DI Leach	
890-1122-19	AH-10 3-3.5	Soluble	Solid	DI Leach	
890-1122-20	H-10	Soluble	Solid	DI Leach	
MB 880-6747/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-6747/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-6747/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Client: Tetra Tech, Inc.

Project/Site: HeartThrob Riser Spill

Job ID: 890-1122-1 SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 6747 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1122-1 MS	H-9	Soluble	Solid	DI Leach	
890-1122-1 MSD	H-9	Soluble	Solid	DI Leach	
890-1122-11 MS	AH-8 3-3.5	Soluble	Solid	DI Leach	
890-1122-11 MSD	AH-8 3-3.5	Soluble	Solid	DI Leach	

Analysis Batch: 6812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1122-1	H-9	Soluble	Solid	300.0	6747
890-1122-2	H-13	Soluble	Solid	300.0	6747
890-1122-3	H-14	Soluble	Solid	300.0	6747
890-1122-4	AH-7 0-1	Soluble	Solid	300.0	6747
890-1122-5	AH-7 1-1.5	Soluble	Solid	300.0	6747
890-1122-6	AH-7 2-2.5	Soluble	Solid	300.0	6747
890-1122-7	AH-7 3-3.5	Soluble	Solid	300.0	6747
890-1122-8	AH-8 0-1	Soluble	Solid	300.0	6747
890-1122-9	AH-8 1-1.5	Soluble	Solid	300.0	6747
890-1122-10	AH-8 2-2.5	Soluble	Solid	300.0	6747
890-1122-11	AH-8 3-3.5	Soluble	Solid	300.0	6747
890-1122-12	AH-9 0-1	Soluble	Solid	300.0	6747
890-1122-13	AH-9 1-1.5	Soluble	Solid	300.0	6747
890-1122-14	AH-9 2-2.5	Soluble	Solid	300.0	6747
890-1122-15	AH-9 3-3.5	Soluble	Solid	300.0	6747
890-1122-16	AH-10 0-1	Soluble	Solid	300.0	6747
890-1122-17	AH-10 1-1.5	Soluble	Solid	300.0	6747
890-1122-18	AH-10 2-2.5	Soluble	Solid	300.0	6747
890-1122-19	AH-10 3-3.5	Soluble	Solid	300.0	6747
890-1122-20	H-10	Soluble	Solid	300.0	6747
MB 880-6747/1-A	Method Blank	Soluble	Solid	300.0	6747
LCS 880-6747/2-A	Lab Control Sample	Soluble	Solid	300.0	6747
LCSD 880-6747/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	6747
890-1122-1 MS	H-9	Soluble	Solid	300.0	6747
890-1122-1 MSD	H-9	Soluble	Solid	300.0	6747
890-1122-11 MS	AH-8 3-3.5	Soluble	Solid	300.0	6747
890-1122-11 MSD	AH-8 3-3.5	Soluble	Solid	300.0	6747

Leach Batch: 6817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1122-21	H-11	Soluble	Solid	DI Leach	
890-1122-22	H-12	Soluble	Solid	DI Leach	
MB 880-6817/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-6817/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-6817/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-5271-A-3-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-5271-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 6822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1122-21	H-11	Soluble	Solid	300.0	6817
890-1122-22	H-12	Soluble	Solid	300.0	6817
MB 880-6817/1-A	Method Blank	Soluble	Solid	300.0	6817
LCS 880-6817/2-A	Lab Control Sample	Soluble	Solid	300.0	6817

Client: Tetra Tech, Inc. Project/Site: HeartThrob Riser Spill

Job ID: 890-1122-1 SDG: Lea County NM

HPLC/IC (Continued)

Analysis Batch: 6822 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-6817/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	6817
880-5271-A-3-C MS	Matrix Spike	Soluble	Solid	300.0	6817
880-5271-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	6817

Client: Tetra Tech, Inc. Project/Site: HeartThrob Riser Spill

Client Sample ID: H-9 Date Collected: 08/17/21 11:30 Date Received: 08/17/21 16:34

Lab Sample ID: 890-1122-1

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6736	08/19/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	6771	08/19/21 17:12	KL	XEN MID
Total/NA	Prep	8015NM Prep			6791	08/19/21 11:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1	6806	08/19/21 16:04	AJ	XEN MID
Soluble	Leach	DI Leach			6747	08/18/21 14:27	SC	XEN MID
Soluble	Analysis	300.0		1	6812	08/19/21 14:40	CH	XEN MID

Lab Sample ID: 890-1122-2

Matrix: Solid

Date Collected: 08/17/21 13:06 Date Received: 08/17/21 16:34

Client Sample ID: H-13

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6818	08/20/21 08:45	KL	XEN MID
Total/NA	Analysis	8021B		1	6776	08/20/21 11:27	MR	XEN MID
Total/NA	Prep	8015NM Prep			6791	08/19/21 11:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1	6806	08/19/21 17:07	AJ	XEN MID
Soluble	Leach	DI Leach			6747	08/18/21 14:27	SC	XEN MID
Soluble	Analysis	300.0		1	6812	08/19/21 14:57	CH	XEN MID

Client Sample ID: H-14 Lab Sample ID: 890-1122-3

Matrix: Solid

Date Collected: 08/17/21 11:50 Date Received: 08/17/21 16:34

Batch Batch Dilution Batch **Prepared** Method or Analyzed **Prep Type** Type **Factor** Number Analyst Run Lab Total/NA 5035 6736 08/19/21 09:45 KL XEN MID Prep Total/NA 8021B 6771 08/19/21 22:24 KL Analysis 1 **XEN MID** Total/NA Prep 8015NM Prep 6791 08/19/21 11:26 DM XEN MID Total/NA 8015B NM 6806 08/19/21 17:27 AJ XEN MID Analysis 1 Soluble Leach DI Leach 6747 08/18/21 14:27 SC XEN MID 300.0 XEN MID Soluble Analysis 6812 08/19/21 15:03 CH 1

Client Sample ID: AH-7 0-1 Lab Sample ID: 890-1122-4 Date Collected: 08/17/21 12:07

Date Received: 08/17/21 16:34

Matrix: Solid

-	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6736	08/19/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	6771	08/19/21 22:45	KL	XEN MID
Total/NA	Prep	8015NM Prep			6791	08/19/21 11:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1	6806	08/19/21 17:48	AJ	XEN MID
Soluble	Leach	DI Leach			6747	08/18/21 14:27	SC	XEN MID
Soluble	Analysis	300.0		1	6812	08/19/21 15:08	CH	XEN MID

Job ID: 890-1122-1 SDG: Lea County NM

Client Sample ID: AH-7 1-1.5

Date Collected: 08/17/21 12:18 Date Received: 08/17/21 16:34

Lab Sample ID: 890-1122-5

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6736	08/19/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	6771	08/19/21 23:05	KL	XEN MID
Total/NA	Prep	8015NM Prep			6791	08/19/21 11:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1	6806	08/19/21 18:09	AJ	XEN MID
Soluble	Leach	DI Leach			6747	08/18/21 14:27	SC	XEN MID
Soluble	Analysis	300.0		1	6812	08/19/21 15:14	CH	XEN MID

Client Sample ID: AH-7 2-2.5

Date Collected: 08/17/21 12:26 Date Received: 08/17/21 16:34

Lab Sample ID: 890-1122-6

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6736	08/19/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	6771	08/19/21 23:26	KL	XEN MID
Total/NA	Prep	8015NM Prep			6791	08/19/21 11:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1	6806	08/19/21 18:29	AJ	XEN MID
Soluble	Leach	DI Leach			6747	08/18/21 14:27	SC	XEN MID
Soluble	Analysis	300.0		1	6812	08/19/21 15:31	CH	XEN MID

Client Sample ID: AH-7 3-3.5

Date Collected: 08/17/21 12:34 Date Received: 08/17/21 16:34

Lab Sample ID: 890-1122-7

Matrix: Solid

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6736	08/19/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	6771	08/19/21 23:46	KL	XEN MID
Total/NA	Prep	8015NM Prep			6791	08/19/21 11:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1	6806	08/19/21 18:49	AJ	XEN MID
Soluble	Leach	DI Leach			6747	08/18/21 14:27	SC	XEN MID
Soluble	Analysis	300.0		1	6812	08/19/21 15:36	CH	XEN MID

Client Sample ID: AH-8 0-1

Date Collected: 08/17/21 10:16

Date Received: 08/17/21 16:34

Lab	Sample	ID:	890-1122-8
			Matrix: Calid

Matrix: Solid

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6736	08/19/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	6771	08/20/21 00:06	KL	XEN MID
Total/NA	Prep	8015NM Prep			6791	08/19/21 11:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1	6806	08/19/21 19:10	AJ	XEN MID
Soluble	Leach	DI Leach			6747	08/18/21 14:27	SC	XEN MID
Soluble	Analysis	300.0		1	6812	08/19/21 15:42	CH	XEN MID

Project/Site: HeartThrob Riser Spill Client Sample ID: AH-8 1-1.5

Lab Sample ID: 890-1122-9

Matrix: Solid

Date Collected: 08/17/21 10:20 Date Received: 08/17/21 16:34

Client: Tetra Tech, Inc.

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6736	08/19/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	6771	08/20/21 00:27	KL	XEN MID
Total/NA	Prep	8015NM Prep			6791	08/19/21 11:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1	6806	08/19/21 19:30	AJ	XEN MID
Soluble	Leach	DI Leach			6747	08/18/21 14:27	SC	XEN MID
Soluble	Analysis	300.0		1	6812	08/19/21 15:48	CH	XEN MID

Lab Sample ID: 890-1122-10

Date Collected: 08/17/21 10:25 Date Received: 08/17/21 16:34

Client Sample ID: AH-8 2-2.5

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6736	08/19/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	6771	08/20/21 00:47	KL	XEN MID
Total/NA	Prep	8015NM Prep			6791	08/19/21 11:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1	6806	08/19/21 19:50	AJ	XEN MID
Soluble	Leach	DI Leach			6747	08/18/21 14:27	SC	XEN MID
Soluble	Analysis	300.0		1	6812	08/19/21 15:53	СН	XEN MID

Lab Sample ID: 890-1122-11 Client Sample ID: AH-8 3-3.5 Date Collected: 08/17/21 10:30

Matrix: Solid

Date Received: 08/17/21 16:34

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6773	08/19/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	6771	08/20/21 04:08	KL	XEN MID
Total/NA	Prep	8015NM Prep			6791	08/19/21 11:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1	6806	08/19/21 20:29	AJ	XEN MID
Soluble	Leach	DI Leach			6747	08/18/21 14:27	SC	XEN MID
Soluble	Analysis	300.0		1	6812	08/19/21 15:59	CH	XEN MID

Client Sample ID: AH-9 0-1 Lab Sample ID: 890-1122-12 Date Collected: 08/17/21 10:49 Matrix: Solid

Date Received: 08/17/21 16:34

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6773	08/19/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	6771	08/20/21 04:29	KL	XEN MID
Total/NA	Prep	8015NM Prep			6791	08/19/21 11:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1	6806	08/19/21 20:49	AJ	XEN MID
Soluble	Leach	DI Leach			6747	08/18/21 14:27	SC	XEN MID
Soluble	Analysis	300.0		1	6812	08/19/21 16:16	CH	XEN MID

Project/Site: HeartThrob Riser Spill

Lab Sample ID: 890-1122-13

Matrix: Solid

Client Sample ID: AH-9 1-1.5

Date Collected: 08/17/21 10:52 Date Received: 08/17/21 16:34

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6773	08/19/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	6771	08/20/21 04:49	KL	XEN MID
Total/NA	Prep	8015NM Prep			6791	08/19/21 11:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1	6806	08/19/21 21:09	AJ	XEN MID
Soluble	Leach	DI Leach			6747	08/18/21 14:27	SC	XEN MID
Soluble	Analysis	300.0		1	6812	08/19/21 16:21	CH	XEN MID

Lab Sample ID: 890-1122-14

Matrix: Solid

Client Sample ID: AH-9 2-2.5 Date Collected: 08/17/21 10:56

Date Received: 08/17/21 16:34

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6773	08/19/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	6771	08/20/21 05:10	KL	XEN MID
Total/NA	Prep	8015NM Prep			6791	08/19/21 11:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1	6806	08/19/21 21:29	AJ	XEN MID
Soluble	Leach	DI Leach			6747	08/18/21 14:27	SC	XEN MID
Soluble	Analysis	300.0		1	6812	08/19/21 16:38	CH	XEN MID

Client Sample ID: AH-9 3-3.5

Date Collected: 08/17/21 11:07

Date Received: 08/17/21 16:34

ab	Sample	ID:	890-112	22-15
				_

Matrix: Solid

Matrix: Solid

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6773	08/19/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	6771	08/20/21 05:30	KL	XEN MID
Total/NA	Prep	8015NM Prep			6791	08/19/21 11:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1	6806	08/19/21 21:48	AJ	XEN MID
Soluble	Leach	DI Leach			6747	08/18/21 14:27	SC	XEN MID
Soluble	Analysis	300.0		1	6812	08/19/21 16:44	CH	XEN MID

Client Sample ID: AH-10 0-1 Lab Sample ID: 890-1122-16

Date Collected: 08/17/21 12:29

Date Received: 08/17/21 16:34

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6773	08/19/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	6771	08/20/21 05:51	KL	XEN MID
Total/NA	Prep	8015NM Prep			6791	08/19/21 11:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1	6806	08/19/21 22:08	AJ	XEN MID
Soluble	Leach	DI Leach			6747	08/18/21 14:27	SC	XEN MID
Soluble	Analysis	300.0		1	6812	08/19/21 16:49	CH	XEN MID

Project/Site: HeartThrob Riser Spill

Client: Tetra Tech, Inc.

Client Sample ID: AH-10 1-1.5 Date Collected: 08/17/21 12:35

Lab Sample ID: 890-1122-17

Matrix: Solid

Date Received: 08/17/21 16:34

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6773	08/19/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	6771	08/20/21 06:11	KL	XEN MID
Total/NA	Prep	8015NM Prep			6791	08/19/21 11:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1	6806	08/19/21 22:28	AJ	XEN MID
Soluble	Leach	DI Leach			6747	08/18/21 14:27	SC	XEN MID
Soluble	Analysis	300.0		1	6812	08/19/21 16:55	CH	XEN MID

Lab Sample ID: 890-1122-18

Date Collected: 08/17/21 12:38 Date Received: 08/17/21 16:34

Client Sample ID: AH-10 2-2.5

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6773	08/19/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	6771	08/20/21 06:31	KL	XEN MID
Total/NA	Prep	8015NM Prep			6791	08/19/21 11:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1	6806	08/19/21 22:48	AJ	XEN MID
Soluble	Leach	DI Leach			6747	08/18/21 14:27	SC	XEN MID
Soluble	Analysis	300.0		1	6812	08/19/21 17:01	CH	XEN MID

Client Sample ID: AH-10 3-3.5

Lab Sample ID: 890-1122-19

Matrix: Solid

Date Collected: 08/17/21 12:46 Date Received: 08/17/21 16:34

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6773	08/19/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	6771	08/20/21 06:52	KL	XEN MID
Total/NA	Prep	8015NM Prep			6791	08/19/21 11:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1	6806	08/19/21 23:08	AJ	XEN MID
Soluble	Leach	DI Leach			6747	08/18/21 14:27	SC	XEN MID
Soluble	Analysis	300.0		1	6812	08/19/21 17:06	CH	XEN MID

Client Sample ID: H-10 Date Collected: 08/17/21 13:41

Lab Sample ID: 890-1122-20

Matrix: Solid

Date Received: 08/17/21 16:34

			_
	Batch	Batch	
Prop Type	Type	Mothod	

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6773	08/19/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	6771	08/20/21 07:12	KL	XEN MID
Total/NA	Prep	8015NM Prep			6791	08/19/21 11:26	DM	XEN MID
Total/NA	Analysis	8015B NM		1	6806	08/19/21 23:27	AJ	XEN MID
Soluble	Leach	DI Leach			6747	08/18/21 14:27	SC	XEN MID
Soluble	Analysis	300.0		1	6812	08/19/21 17:12	CH	XEN MID

Date Received: 08/17/21 16:34

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-1122-1 Project/Site: HeartThrob Riser Spill SDG: Lea County NM

Client Sample ID: H-11 Date Collected: 08/17/21 12:53

Lab Sample ID: 890-1122-21

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6773	08/19/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	6771	08/20/21 08:35	KL	XEN MID
Total/NA	Prep	8015NM Prep			6751	08/19/21 16:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1	6802	08/19/21 18:51	AJ	XEN MID
Soluble	Leach	DI Leach			6817	08/19/21 15:09	SC	XEN MID
Soluble	Analysis	300.0		1	6822	08/20/21 11:09	CH	XEN MID

Client Sample ID: H-12 Lab Sample ID: 890-1122-22 Date Collected: 08/17/21 10:44 **Matrix: Solid**

Date Received: 08/17/21 16:34

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6773	08/19/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	6771	08/20/21 08:55	KL	XEN MID
Total/NA	Prep	8015NM Prep			7251	08/30/21 09:17	DM	XEN MID
Total/NA	Analysis	8015B NM		1	7247	08/30/21 17:34	AJ	XEN MID
Soluble	Leach	DI Leach			6817	08/19/21 15:09	SC	XEN MID
Soluble	Analysis	300.0		1	6822	08/20/21 11:14	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: 890-1122-1
Project/Site: HeartThrob Riser Spill

SDG: Lea County NM

Laboratory: Eurofins Xenco, Midland

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

Authority	ı	Program	Identification Number	Expiration Date
Texas	1	NELAP	T104704400-20-21	06-30-22
The following analytes the agency does not o		port, but the laboratory is r	not certified by the governing authority.	This list may include analytes for whi
Analysis Method	Prep Method	Matrix	Analyte	
0 ,		Matrix Solid	Analyte Total TPH	

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Method Summary

Client: Tetra Tech, Inc.

Project/Site: HeartThrob Riser Spill

Job ID: 890-1122-1

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: HeartThrob Riser Spill

Job ID: 890-1122-1

SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1122-1	H-9	Solid	08/17/21 11:30	08/17/21 16:34	
890-1122-2	H-13	Solid	08/17/21 13:06	08/17/21 16:34	
890-1122-3	H-14	Solid	08/17/21 11:50	08/17/21 16:34	
890-1122-4	AH-7 0-1	Solid	08/17/21 12:07	08/17/21 16:34	0 - 1
890-1122-5	AH-7 1-1.5	Solid	08/17/21 12:18	08/17/21 16:34	1 - 1.5
890-1122-6	AH-7 2-2.5	Solid	08/17/21 12:26	08/17/21 16:34	2 - 2.5
890-1122-7	AH-7 3-3.5	Solid	08/17/21 12:34	08/17/21 16:34	3 - 3.5
890-1122-8	AH-8 0-1	Solid	08/17/21 10:16	08/17/21 16:34	0 - 1
890-1122-9	AH-8 1-1.5	Solid	08/17/21 10:20	08/17/21 16:34	1 - 1.5
890-1122-10	AH-8 2-2.5	Solid	08/17/21 10:25	08/17/21 16:34	2 - 2.5
890-1122-11	AH-8 3-3.5	Solid	08/17/21 10:30	08/17/21 16:34	3 - 3.5
890-1122-12	AH-9 0-1	Solid	08/17/21 10:49	08/17/21 16:34	0 - 1
890-1122-13	AH-9 1-1.5	Solid	08/17/21 10:52	08/17/21 16:34	1 - 1.5
890-1122-14	AH-9 2-2.5	Solid	08/17/21 10:56	08/17/21 16:34	2 - 2.5
890-1122-15	AH-9 3-3.5	Solid	08/17/21 11:07	08/17/21 16:34	3 - 3.5
890-1122-16	AH-10 0-1	Solid	08/17/21 12:29	08/17/21 16:34	0 - 1
890-1122-17	AH-10 1-1.5	Solid	08/17/21 12:35	08/17/21 16:34	1 - 1.5
890-1122-18	AH-10 2-2.5	Solid	08/17/21 12:38	08/17/21 16:34	2 - 2.5
890-1122-19	AH-10 3-3.5	Solid	08/17/21 12:46	08/17/21 16:34	3 - 3.5
890-1122-20	H-10	Solid	08/17/21 13:41	08/17/21 16:34	
890-1122-21	H-11	Solid	08/17/21 12:53	08/17/21 16:34	
890-1122-22	H-12	Solid	08/17/21 10:44	08/17/21 16:34	

ORIGINAL COPY

ייי	D: 9/2			1.4	_	SUP	11/1	_	_																	rag	e 140 of 2
	Relinquished by		Relinquished by:	Jack	Relinquished by	A ₊	Ar	A _F	A-	Ą	AF	AH	H-14	H-13	Н-9	(LAB USE)	LAB#			Comments:	Receiving Laboratory:	Invoice to:	Project Location: (county, state)	Project Name:	Client Name:	21.	Analysis Requ
	Date lime:		Date: Time:	Inde 8/1/1/10 1650	lime:	l	AH-8 1-1.5'	AH-8 0-1'	AH-7 3-3.5'	AH-7 2-2.5'	AH-7 1-1.5'	AH-7 0-1'	14	13	9		SAMPLE IDENTIFICATION			Eurofins	1	EOG Resources/Ginny Powers	Lea County, New Mexico	Heart Throb Riser Spill	EOG Resources	Tetra Tech, Inc.	Analysis Request of Chain of Custody Record
	Received by:		Received by	IN. CERT	Received by	8/17/2021	8/17/2021	8/17/2021	8/16/2021	8/16/2021	8/16/2021	8/16/2021	8/16/2021	8/16/2021	8/16/2021	DATE	YEAR	SAMPLING			Sampler Signature:		Project #:		Site Manager:		
	Date: Inne.		Date: Time:	15		-		10:16 X	12:34 X X	12:26 X X	12:18 X	12:07 X X	11:50 X	11:36 X	11:30 X	WATER SOIL HCL HNO ₃ ICE	?	MATRIX PRESERVATIVE			Heidi Landis		212C-MD-02559		Brittany Long	901 W Wall Street Ste 100 Midland,Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946	
(Circle) HAND DELIVERED		1.8/1.6	Sample Temperature	1.84 ONLY		1 X	×	×	×	×	1 N X	1 Z X	1 Z X	ı X	×	# CONT FILTERI BTEX 80 TPH TX TPH 80 PAH 82 Total Me	ED (*) 021B .1005 15M 70C etals /	ERS (/N) (Ext to	- DRO -	r Pb	Se				(Circle	890-1122 Chain of Custody	
RED FEDEX UPS Tracking#:	Special Report Limits or TRRP Report	Rush Charges Authorized	TRUSH: Same Day 24 III 46 III	24 by (8 b)	70.000	N N N N N N N N N N N N N N N N N N N	×	×	×	×	×	×	×	×	×	TCLP MI TCLP VC TCLP SE RCI GC/MS \(\) GC/MS \(\) PCB's \(\) NORM PLM (As Chloride Chloride General Anion/C	Vol. Semi V sbeste 300.	solatiles 8260B Vol. 8 608 0072 hr	/ 624 8270C/6	625			ist)		ANALYSIS REQUEST le or Specify Method No.)		Page 1
	4			79 hr							-					Hold				_	_						of

ω 8/31/2021 (Rev. 1)

Released to Imaging: 10/15/2021 9:03:08 AM

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TestAmerica

Custody Seal 8/17/21
DATE DELL'AMPLE
SIGNATURE

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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Tetra Tech, Inc.		Relinquished by:		Relinquished by:	deide	Relinquished by:	Ŧ	2	A A	A	A	ĄĮ	Ai	A	Al	(LAB USE)	LAB#		Comments:	Receiving Laboratory:	Invoice to:	Project Location: (county, state)	Project Name:	Client Name:	Programmer of the Control of the Con
# CONTAINERS 10.046				1	Kandy 8/174 163	Time:	H-10	H-10 3-3.5'	H-10 (-1.5 H-10 2-2.5)	H-10 0-1	H-9 3-3.5'	AH-9 2-2.5'	AH-9 1-1.5'	AH-9 0-1'	AH-8 3-3.5'		SAMPLE IDENTIFICATION					Lea County, New Mexico	Heart Throb Riser Spill	EOG Resources	Tetra Tech, Inc.
# CONTAINERS 10.046		Received by:		Received by:	11/1/	Received by:	8/17/2021	8/17/2021	8/17/2021	8/1//2021	8/17/2021	8/17/2021	8/17/2021	8/17/2021	8/17/2021	DATE	YEAR	SAMPLI		Sampier Signati		Project #:		Site Manager:	
HNO3					la	2			I	Ι						WATE	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	L				212	1	Brittan	901
# CONTAINERS Z Z Z Z Z Z Z Z Z						Date: Time:	×	×	×>		××	×	×	×	×	HNO ₃		<u> </u>		di Landis		2C-MD-02559		y Long	W Wall Street. Ste 100 tibiland,Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946
TPH TX1005 (Ext to C35)					4:34						Z	Z				FILTER	ED (Y/N	s 1)							
TCLP Volatiles TCLP Semi Volatiles	l		9.18.1	Sample Temperature	ONLY	LAB USE				1	İ		L			TPH TX TPH 80 PAH 82 Total Me	1005 (E 15M (G 70C tals Ag	RO -	C35) DRO -	ORO - Pb Se	Hg			(Circle	
NORM PLM (Asbestos) NORM PLM (Asbestos) NORM PLM (Asbestos) NORM Od. NORM PLM (Asbestos) Od. NORM		Special Rep	Rush Charge			REMARKS:										TCLP SI RCI GC/MS GC/MS	vol. 826 Semi. V	60B / ol. 82		25				ANALYSIS REC	
많 동 /		or Limits or TRRP F	s Authorized	24 hr				×	×	× >	\ \ \ \	< ×	×	×	×	NORM PLM (As Chloride Chloride Genera	sbestos) e Sulf	fate Cher	nistry (see att	ached li	st)			

	Relinquished by		Relinquished by:	died	Relinquished by:				H-12	H-11	(LABUSE)	LAB#		Comments:		Receiving Laboratory:	Invoice to:	Project Location: (county, state)	Project Name:	Client Name:	The state of the s
	Date Time		Date: Time:	*	Date: Time:							SAMPLE IDENTIFICATION			Eurofins		EOG Resources/Ginny Powers	Lea County, New Mexico	Heart Throb Riser Spill	EOG Resources	Tetra Tech, Inc.
	Received by:		Received by:	N.Cha	Received by:				8/17/2021 10:44	8/17/2021 12:53	DATE	YEAR.	SAMPLING			Sampler Signature:		Project #:		Site Manager:	
	Date: Time:		Date: Time:	8/1/h, 4:34	Date: Time:				*** *** ***		WATER SOIL HCL HNO ₃ ICE	?	MATRIX PRESERVATIVE		ו כומי רמוומיס	Hoidi Landis		212C-MD-02559		Brittany Long	901 W Walf Street, Sie 100 Midland, Teaso 79701 Tel (422) 682-4559 Fax (432) 652-3946
(Circle) HAND DELIVERED		1.8/1.6	Sample Temperature	ONLY	I AB I GE				×		# CONT FILTER BTEX 8 TPH TX TPH 80 PAH 82 Total Me TCLP M	ED (Y/N 021B 1005 (E: 15M (GI 70C etals Ag	BTEX xt to (RO -	DRO -	ORC	Se l	⊣g			(Circle	
ERED FEDEX UPS Tracking#.	Special Report Limits or TRRP Report	Rush Charges Authorized	ARUSH: Same Day 24 hr 48 hr		REMARKS:				×	×	TCLP V. TCLP SI RCI GC/MS GC/MS PCB's 8 NORM PLM (As Chloride Chloride Genera	vol. 826 Semi Vola Vol. 826 Semi Vol Sebestos)	tiles 60B / 6 61. 82 88 ate Cher	624 270C/6	25			st)		ANALYSIS REQUEST	
	ont		72 hr								Hold										

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Eurofins Xenco, Carlsbad

1089 N Canal St. Carlsbad, NM 88220 Phone. 575-988-3199 Fax 575-988-3199

Chain of Custody Record

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🐝 eurofins

Environment Testing America

	Sampler			11 75 DA								,,			<u>.</u> 21
Client Information (Sub Contract Lab)	Campian			Krame	Kramer, Jessica			<u> </u>	Camer (racking No(s)	g No(s).		890-358 1			202
Client Contact: Shipping/Receiving	Phone			E-Mail: jessic	E-Mail: jessica kramer@ëurofinset)ëurofinse	t.com	zg	State of Origin New Mexico		1	Page [.] Page 1 of 3			/31/
Company Eurofins Xenco					Accreditations Required (Se NELAP - Louisiana, N	Required (Souisiana, N	e note). ELAP -	Texas			ę	Job #: 890-1122-1			8
Address 1211 W Florida Ave, ,	Due Date Requested 8/20/2021	۵						Analysis Requested	ested			Preservation Codes			
City: Midland	TAT Requested (days).	ys).				3RO-		_				A HCL B NaOH C Zn Acetate	M Hexane N None	5 Ø	
State Zip. TX, 79701						I TPH						_	P Na2O4S Q Na2SO3	نة به ال الم	
Phone 432-704-5440(TeI)	PO#:				,/f	D) Ful								Na2S2O3 H2SO4	
Email	WO #-				No)	ep (MC	· · · · · ·)e	
Project Name: HeartThrob Riser Spill	Project #: 88000013				es or						ntaine	K EDTA	W pH 4-5 Z other (s	pH 4-5 other (specify)	
Site	SSOW#:				ISD (Y							Other:			
		(U		Matrix (W=water S=solid, O=waste/oli, BT=Tissue,	eld Filtered erform MS/I 0_ORGFM_2	15MOD_NM/ RO-MRO 121B/5035FP_					otal Number				 _
	X	X	Preservation Code		X						X				of 5
H-9 (890-1122-1)	8/17/21	11 30 Mountain		Solid	×	×					-				52 (
H-13 (890-1122-2)	8/17/21	13 06 Mountain		Solid	×	×					-3				age
H-14 (890-1122-3)	8/17/21	11 50 Mountain		Solid	×	×									Pa
AH-7 0-1 (890-1122-4)	8/17/21	12 07 Mountain		Solid	×	×					22				
AH-7 1-1 5 (890-1122-5)	8/17/21	12 18 Mountain		Solid	×	×									
AH-7 2-2 5 (890-1122-6)	8/17/21	12 26 Mountain		Solid	×	×									-
AH-7 3-3 5 (890-1122-7)	8/17/21	12 34 Mountain		Solid	×	×					-4				
AH-8 0-1 (890-1122-8)	8/17/21	10 16 Mountain		Solid	×	×						PARTITION OF THE PARTIT			
AH-8 1-1 5 (890-1122-9)	8/17/21	10 20 Mountain		Solid	×	×					-3				
Note: Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin-listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.	places the ownership being analyzed the sa urn the signed Chain.o	of method ana amples must be of Custody attes	alyte & accredital shipped back to sting to said con	ation complian to the Eurofins nplicance to E	ce upon out s Xenco LLC I	subcontract la aboratory or LLC	aboratories other instruc	This sample tions will be _I	shipment is provided. Ar	forwarded un ly changes to	der chain-of	is forwarded under chain-of-custody If the laboratory does not currently Any changes to accreditation status should be brought to Eurofins Xenco	oratory does rebrought to Eu	not currently irofins Xenco	00-1-1-1
Possible Hazard Identification Unconfirmed	**	j			Sample	Sample Disposal	l (A fee n	nay be ass	assessed if san	may be assessed if samples are retained longer	re retaine	tained longer than 1	1 month)	j,	
Deliverable Requested 1 II ±H, tV, Other (specify)	Primary Deliverable Rank	ble Rank 2			Special	Instruction	Special-Instructions/QC Requirements	quirements	0	1,04-24				a de la companya de	
Empty Kit Relinquished by		Date			Time	2			Method	Method of Shipment	* *			in the second	
Relinquished by:	Date/Time		Ç	Company	Rēceiv	No land	22	R		Date Time	20	1 /03(Company	dise w	
Relinquished by	Date/Time		Ω.	Company	3	ed by				Date/Time	340		Company	wo su	
Relinquished by	Date/Time		Ω	Company	Rece	Received by	***************************************			Date/Time			Company		-
Custody Seals Intact: Custody Seal No					Cool	Cooler Temperatur		e(s) °C and Other Remarks	arks	28	0	13			

Eurofins Xenco, Carlsbad 1089 N Canal St Carlsbad, NM 88220 Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	varripier			Lab PM Kramer Jessica	ssica		Carrier Tracking No(s)	ing No(s)	00	COC No.	
Shipping/Receiving	Phone,	d		E-Mail.		final	State of Origin.	'n.	T	Page	
Eurofins Xenco				Accred	Accreditations Required (See I	ote)	I ACAM INICAICO	8		Job#:	ή
1211 W Florida Ave	Due Date Requested 8/20/2021	ad				Applicate			71 (Preservation Codes	es.
City Midland	TAT Requested (days)	ays)·			RO-	Alialysis requested	Huested				M Hexane N None
State Zip: TX, 79701					трн б					பக	O AsNaO2 P Na2O4S
Phone: 432-704-5440(Tel)	PO#)						~ }	R Na2S2O3 R Na2S2O3 S - H2SO4
Email	WO #:			No constitution						Acid	T TSP Dodecahydrate U - Acetone
Project Name HeartThrob Riser Spill	Project #:			water the second		X			(A) (A) (A)	J DI Water K EDTA	V MCAA W pH 4-5
Site:	000000013					зте			ntai	L EDA	
	OO CVV#		Matrix	d Sami		Calc E				Other	
			^	្ទុំ ក តិ Filtere >m MS	ORGFM_ MOD_NM MRO	3/5035FF			Numbe	ļ	
Sample Identification - Client ID (Lab ID)	Sample Date	Time	G=grab) A=Air)	Fiel	8015	8021			Tota	Special Ins	Special Instructions/Note
AH-8 2-2 5 (890-1122-10)	8/17/21	Ô	Solid	ā	×	×			×		
AH-8 3-3 5 (890-1122-11)	8/17/21	10 30	Solid	ā.	-+	×			.		
AH-9 0-1 (890-1122-12)	8/17/21	10 49	Solid	a.	-	× ;					
AH-9 1-1 5 (890-1122-13)	8/17/21	10 52	Solid	ā		× :			• -		
AH-9 2-2 5 (890-1122-14)	8/17/21	10 56 Mountain	Solid	ā.		×			•		
AH-9 3-3 5 (890-1122-15)	8/17/21	11 07 Mountain	Solid	ā	×	×					
Art-10 U-1 (89U-112Z-16)	8/17/21	Mountain	Solid	ā	×	×					
AH-10 1-1 5 (890-1122-17)	8/17/21	Mountain	Solid	ā.	×	×			_		
Nith Cipp interests and the state of the sta	8/17/21	Mountain	Solid	ā.	×	×			4		
rove surve laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laborar maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.	places the ownership leing analyzed the same the signed Chain of	of method analy amples must be s of Custody attesti	te & accreditation c hipped back to the I	ompliance upor Eurofins Xenco	out subcontu LLC laborato Xenco LLC	ract laboratories This sar	mple shipment i	s forwarded un Any changes to	ider chain-of- accreditation	custody If the labora	tories This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco.
Possible Hazard Identification Unconfirmed				s _a	Sample Disposal (A	osal (A fee may be	fee may be assessed if samples	f samples a	are retaine	retained longer than 1	1 month)
Deliverable Requested I, II, III, IV Other (specify)	Primary Deliverable Rank	ble Rank 2		Sp	Special Instructions/Q	al Instructions/QC Requirements	nents	/ Lab	Archi	Archive For	Months
Empty Kit Relinguished by		Date		Time			Metho	Method of Shinment:			
18 DOWNSTAM	Date-Time		Company		Received by		-	Date/Time			Company
0	(em)		Company		Received by	f.		Date/Time	Ψ		Company
	Date/Time		Company		Received by	f.		Date/Time			Company
Custody Seals Intact: Custody Seal No		<i>.</i>			Cooler Temperature(s)	perature(s) °C and Other Remarks	Remarks		ts:		

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Environment Testing America

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-1122-1

SDG Number: Lea County NM

Login Number: 1122 List Source: Eurofins Xenco, Carlsbad

List Number: 1

Creator: Olivas, Nathaniel

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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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Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-1122-1
SDG Number: Lea County NM

List Number: 1122
List Source: Eurofins Xenco, Midland
List Number: 2
List Creation: 08/19/21 10:48 AM

Creator: Kramer, Jessica

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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	1.0/1.5
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	

48 of 280



September 09, 2021

BRITTANY LONG
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: HEART THROB RISER SWD

Enclosed are the results of analyses for samples received by the laboratory on 09/08/21 15:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Wite Sough

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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/07/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: SW - 1 (H212478-01)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.83	91.5	2.00	1.23	
Toluene*	<0.050	0.050	09/08/2021	ND	2.01	100	2.00	0.367	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.98	99.1	2.00	0.793	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	0.196	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/09/2021	ND	400	100	400	7.69	
TPH 8015M	mg/	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2021	ND	199	99.3	200	9.59	
DRO >C10-C28*	<10.0	10.0	09/08/2021	ND	203	102	200	5.69	
EXT DRO >C28-C36	<10.0	10.0	09/08/2021	ND					
Surrogate: 1-Chlorooctane	82.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	80.9	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

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Mile Sough



Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/07/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: SW - 2 (H212478-02)

RTFY 8021R

Result <0.050	Reporting Limit	Analyzed	Method Blank					
< 0.050		· ·	i-iculou bialik	BS	% Recovery	True Value QC	RPD	Qualifier
	0.050	09/08/2021	ND	1.83	91.5	2.00	1.23	
<0.050	0.050	09/08/2021	ND	2.01	100	2.00	0.367	
<0.050	0.050	09/08/2021	ND	1.98	99.1	2.00	0.793	
<0.150	0.150	09/08/2021	ND	6.01	100	6.00	0.196	
<0.300	0.300	09/08/2021	ND					
101	% 69.9-14	0						
mg,	/kg	Analyze	d By: GM					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
32.0	16.0	09/09/2021	ND	400	100	400	7.69	
mg,	/kg	Analyze	d By: CK					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	09/08/2021	ND	199	99.3	200	9.59	
<10.0	10.0	09/08/2021	ND	203	102	200	5.69	
<10.0	10.0	09/08/2021	ND					
84.1	% 44.3-13	3						
81.8	% 38.9-14	2						
	<0.050 <0.050 <0.050 <0.150 <0.300 101 : mg/ Result 32.0 mg/ Company Result <10.0 <10.0 <10.0 84.1	<0.050 0.050 <0.050 0.050 <0.150 0.150 <0.300 0.300 101	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

Cardinal Laboratories *=Accredited Analyte

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

Mile Sough



Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/07/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: SW - 3 (H212478-03)

RTFY 8021R

Result < 0.050 < 0.050	Reporting Limit 0.050	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	
	0.050				70 INCCOVERY	True value QC	KPD	Qualifier
< 0.050		09/08/2021	ND	1.83	91.5	2.00	1.23	
	0.050	09/08/2021	ND	2.01	100	2.00	0.367	
<0.050	0.050	09/08/2021	ND	1.98	99.1	2.00	0.793	
<0.150	0.150	09/08/2021	ND	6.01	100	6.00	0.196	
<0.300	0.300	09/08/2021	ND					
101	% 69.9-14	0						
mg,	/kg	Analyze	d By: GM					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
176	16.0	09/09/2021	ND	400	100	400	7.69	
mg,	/kg	Analyze	d By: CK					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	09/08/2021	ND	199	99.3	200	9.59	
<10.0	10.0	09/08/2021	ND	203	102	200	5.69	
<10.0	10.0	09/08/2021	ND					
85.0	% 44.3-13	3						
83.1	% 38.9-14	2						
	<0.150 <0.300 101 9 Result 176 mg/ Result <10.0 <10.0 <10.0	<0.150 0.150 <0.300 0.300 101	<0.150	<0.150 09/08/2021 ND 101 % 69.9-140 69.9-140 Analyzed By: GM Result Reporting Limit Analyzed Method Blank 176 16.0 09/09/2021 ND mg/w Analyzed By: CK Result Reporting Limit Analyzed Method Blank <10.0 10.0 09/08/2021 ND	<0.150	<0.150	<0.150 09/08/2021 ND 6.01 100 6.00 101 √ 69.9-140 mg/ky Analyzed By: GM Result Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 176 16.0 09/09/2021 ND 400 100 400 mg/ky Analyzed By: CK Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC < 10.0 10.0 09/08/2021 ND 199 99.3 200 < 10.0 10.0 09/08/2021 ND 203 102 200 < 10.0 10.0 09/08/2021 ND 203 102 200 85.0 % 44.3-133	<0.150

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/07/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: SW - 4 (H212478-04)

RTFY 8021R

B1EX 8021B	9/	/кд	Allulyzo	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.83	91.5	2.00	1.23	
Toluene*	<0.050	0.050	09/08/2021	ND	2.01	100	2.00	0.367	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.98	99.1	2.00	0.793	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	0.196	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (P.	ID 102	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2021	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2021	ND	199	99.3	200	9.59	
DRO >C10-C28*	<10.0	10.0	09/08/2021	ND	203	102	200	5.69	
EXT DRO >C28-C36	<10.0	10.0	09/08/2021	ND					
Surrogate: 1-Chlorooctane	85.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	83.0	% 38.9-14	2						
Surrogate: 1-Chlorooctane	85.6	% 44.3-13	3	ND					

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/07/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: SW - 5 (H212478-05)

RTFY 8021R

Result <0.050 <0.050 <0.050 <0.050 <0.150 <0.300	Reporting Limit 0.050 0.050 0.050 0.150 0.300	Analyzed 09/08/2021 09/08/2021 09/08/2021 09/08/2021 09/08/2021	Method Blank ND ND ND ND ND ND ND ND	BS 1.83 2.01 1.98 6.01	% Recovery 91.5 100 99.1 100	True Value QC 2.00 2.00 2.00 6.00	RPD 1.23 0.367 0.793 0.196	Qualifier
<0.050 <0.050 <0.150 <0.300	0.050 0.050 0.150 0.300	09/08/2021 09/08/2021 09/08/2021	ND ND ND	2.01 1.98	100 99.1	2.00 2.00	0.367 0.793	
<0.050 <0.150 <0.300	0.050 0.150 0.300	09/08/2021 09/08/2021	ND ND	1.98	99.1	2.00	0.793	
<0.150 <0.300	0.150 0.300	09/08/2021	ND					
<0.300	0.300	, ,		6.01	100	6.00	0.196	
		09/08/2021	ND					
101	0/ 60.0.14							
	/0 09.9-14	0						
mg	/kg	Analyze	d By: GM					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
192	16.0	09/09/2021	ND	400	100	400	7.69	
mg,	/kg	Analyze	d By: CK					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	09/08/2021	ND	199	99.3	200	9.59	
<10.0	10.0	09/08/2021	ND	203	102	200	5.69	
<10.0	10.0	09/08/2021	ND					
81.6	% 44.3-13	3						
80.1	% 38.9-14	2						
	Result 192 Result <10.0 <10.0 <10.0	mg/kg Result Reporting Limit 192 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0 81.6 % 44.3-13	mg/kg Analyzed Result Reporting Limit Analyzed 192 16.0 09/09/2021 mg/kg Analyzed Result Reporting Limit Analyzed <10.0	mg/kg Analyzed Method Blank Result Reporting Limit Analyzed By: CK Result Reporting Limit Analyzed Method Blank <10.0	101 % 69.9-140 mg/ky Analyzed By: GM Result Reporting Limit Analyzed Nethod Blank BS 192 16.0 09/09/2021 ND 400 mg/ky Analyzed By: CK Result Reporting Limit Analyzed Method Blank BS <10.0 10.0 09/08/2021 ND 199	101 % 69.9-140 mg/ky Analyzed By: GM Result Reporting Limit Analyzed Nethod Blank BS % Recovery 192 16.0 09/09/2021 ND 400 100 mg/ky Analyzed By: CK Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0 10.0 09/08/2021 ND 199 99.3	101 % 69.9-140 mg/ky Analyzed By: GM Result Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 192 16.0 09/09/2021 ND 400 100 400	101 % 69.9-140 mg/kg Analyzed By: GM Result Reporting Limit Analyzed 09/09/2021 ND 400 100 400 7.69 mg/kg Analyzed By: CK Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <10.0 10.0 09/08/2021 ND 199 99.3 200 9.59

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/07/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: SW - 6 (H212478-06)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.83	91.5	2.00	1.23	
Toluene*	<0.050	0.050	09/08/2021	ND	2.01	100	2.00	0.367	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.98	99.1	2.00	0.793	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	0.196	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/09/2021	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2021	ND	199	99.3	200	9.59	
DRO >C10-C28*	<10.0	10.0	09/08/2021	ND	203	102	200	5.69	
EXT DRO >C28-C36	<10.0	10.0	09/08/2021	ND					
Surrogate: 1-Chlorooctane	82.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	78.8	% 38.9-14	2						

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Mile Single



Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/07/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: SW - 7 (H212478-07)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.83	91.5	2.00	1.23	
Toluene*	<0.050	0.050	09/08/2021	ND	2.01	100	2.00	0.367	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.98	99.1	2.00	0.793	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	0.196	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/09/2021	ND	400	100	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2021	ND	199	99.3	200	9.59	
DRO >C10-C28*	<10.0	10.0	09/08/2021	ND	203	102	200	5.69	
EXT DRO >C28-C36	<10.0	10.0	09/08/2021	ND					
Surrogate: 1-Chlorooctane	84.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	83.3	% 38.9-14	2						

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with Sigh



Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/07/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: SW - 8 (H212478-08)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.83	91.5	2.00	1.23	
Toluene*	<0.050	0.050	09/08/2021	ND	2.01	100	2.00	0.367	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.98	99.1	2.00	0.793	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	0.196	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/09/2021	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2021	ND	199	99.3	200	9.59	
DRO >C10-C28*	<10.0	10.0	09/08/2021	ND	203	102	200	5.69	
EXT DRO >C28-C36	<10.0	10.0	09/08/2021	ND					
Surrogate: 1-Chlorooctane	77.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	74.6	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/07/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: SW - 9 (H212478-09)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.83	91.5	2.00	1.23	
Toluene*	<0.050	0.050	09/08/2021	ND	2.01	100	2.00	0.367	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.98	99.1	2.00	0.793	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	0.196	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2021	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2021	ND	199	99.3	200	9.59	
DRO >C10-C28*	<10.0	10.0	09/08/2021	ND	203	102	200	5.69	
EXT DRO >C28-C36	<10.0	10.0	09/08/2021	ND					
Surrogate: 1-Chlorooctane	95.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	92.5	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/07/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: SW - 10 (H212478-10)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.83	91.5	2.00	1.23	
Toluene*	<0.050	0.050	09/08/2021	ND	2.01	100	2.00	0.367	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.98	99.1	2.00	0.793	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	0.196	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/09/2021	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2021	ND	199	99.3	200	9.59	
DRO >C10-C28*	<10.0	10.0	09/08/2021	ND	203	102	200	5.69	
EXT DRO >C28-C36	<10.0	10.0	09/08/2021	ND					
Surrogate: 1-Chlorooctane	72.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	74.2	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/07/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02363 Tamara Oldaker Sample Received By:

Project Location: EOG - LEA CO NM

Sample ID: SW - 11 (H212478-11)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.83	91.5	2.00	1.23	
Toluene*	<0.050	0.050	09/08/2021	ND	2.01	100	2.00	0.367	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.98	99.1	2.00	0.793	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	0.196	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/09/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2021	ND	199	99.3	200	9.59	
DRO >C10-C28*	<10.0	10.0	09/08/2021	ND	203	102	200	5.69	
EXT DRO >C28-C36	<10.0	10.0	09/08/2021	ND					
Surrogate: 1-Chlorooctane	81.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	78.7	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02363 Tamara Oldaker Sample Received By:

Project Location: EOG - LEA CO NM

Sample ID: SW - 12 (H212478-12)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.83	91.5	2.00	1.23	
Toluene*	<0.050	0.050	09/08/2021	ND	2.01	100	2.00	0.367	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.98	99.1	2.00	0.793	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	0.196	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/09/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2021	ND	199	99.3	200	9.59	
DRO >C10-C28*	<10.0	10.0	09/08/2021	ND	203	102	200	5.69	
EXT DRO >C28-C36	<10.0	10.0	09/08/2021	ND					
Surrogate: 1-Chlorooctane	75.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	73.7	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: SW - 13 (H212478-13)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.83	91.5	2.00	1.23	
Toluene*	<0.050	0.050	09/08/2021	ND	2.01	100	2.00	0.367	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.98	99.1	2.00	0.793	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	0.196	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 %	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2021	ND	199	99.3	200	9.59	
DRO >C10-C28*	<10.0	10.0	09/08/2021	ND	203	102	200	5.69	
EXT DRO >C28-C36	<10.0	10.0	09/08/2021	ND					
Surrogate: 1-Chlorooctane	78.2 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	75.6	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02363 Tamara Oldaker Sample Received By:

Project Location: EOG - LEA CO NM

Sample ID: SW - 14 (H212478-14)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.83	91.5	2.00	1.23	
Toluene*	<0.050	0.050	09/08/2021	ND	2.01	100	2.00	0.367	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.98	99.1	2.00	0.793	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	0.196	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/09/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2021	ND	199	99.3	200	9.59	
DRO >C10-C28*	<10.0	10.0	09/08/2021	ND	203	102	200	5.69	
EXT DRO >C28-C36	<10.0	10.0	09/08/2021	ND					
Surrogate: 1-Chlorooctane	95.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	91.6	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02363 Tamara Oldaker Sample Received By:

Project Location: EOG - LEA CO NM

Sample ID: SW - 15 (H212478-15)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.83	91.5	2.00	1.23	
Toluene*	<0.050	0.050	09/08/2021	ND	2.01	100	2.00	0.367	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.98	99.1	2.00	0.793	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	0.196	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/09/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2021	ND	199	99.3	200	9.59	
DRO >C10-C28*	<10.0	10.0	09/08/2021	ND	203	102	200	5.69	
EXT DRO >C28-C36	<10.0	10.0	09/08/2021	ND					
Surrogate: 1-Chlorooctane	86.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.3	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: SW - 16 (H212478-16)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.83	91.5	2.00	1.23	
Toluene*	<0.050	0.050	09/08/2021	ND	2.01	100	2.00	0.367	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.98	99.1	2.00	0.793	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	0.196	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2021	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	199	99.3	200	9.59	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	203	102	200	5.69	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	89.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.6	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: SW - 17 (H212478-17)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.83	91.5	2.00	1.23	
Toluene*	<0.050	0.050	09/08/2021	ND	2.01	100	2.00	0.367	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.98	99.1	2.00	0.793	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	0.196	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/09/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	199	99.3	200	9.59	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	203	102	200	5.69	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	78.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	76.1	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02363 Tamara Oldaker Sample Received By:

Project Location: EOG - LEA CO NM

Sample ID: SW - 18 (H212478-18)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.83	91.5	2.00	1.23	
Toluene*	<0.050	0.050	09/08/2021	ND	2.01	100	2.00	0.367	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.98	99.1	2.00	0.793	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	0.196	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/09/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	199	99.3	200	9.59	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	203	102	200	5.69	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	91.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	89.2	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02363 Tamara Oldaker Sample Received By:

Project Location: EOG - LEA CO NM

Sample ID: SW - 19 (H212478-19)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.83	91.5	2.00	1.23	
Toluene*	<0.050	0.050	09/08/2021	ND	2.01	100	2.00	0.367	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.98	99.1	2.00	0.793	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	0.196	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/09/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	199	99.3	200	9.59	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	203	102	200	5.69	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	85.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	81.4	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02363 Tamara Oldaker Sample Received By:

Project Location: EOG - LEA CO NM

Sample ID: SW - 20 (H212478-20)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.83	91.5	2.00	1.23	
Toluene*	<0.050	0.050	09/08/2021	ND	2.01	100	2.00	0.367	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.98	99.1	2.00	0.793	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	0.196	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	199	99.3	200	9.59	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	203	102	200	5.69	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	89.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	87.5	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: SW - 21 (H212478-21)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.93	96.6	2.00	8.54	
Toluene*	<0.050	0.050	09/08/2021	ND	1.94	96.9	2.00	6.62	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.94	97.1	2.00	6.26	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	6.31	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/09/2021	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	212	106	200	0.705	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	227	113	200	4.41	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	92.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.8	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: SW - 22 (H212478-22)

RTFY 8021R

BIEX 8021B	mg,	/кд	Anaiyze	еа ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.93	96.6	2.00	8.54	
Toluene*	<0.050	0.050	09/08/2021	ND	1.94	96.9	2.00	6.62	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.94	97.1	2.00	6.26	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	6.31	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2021	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	212	106	200	0.705	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	227	113	200	4.41	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	94.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	90.2	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact 212C - MD - 02363 Project Number: Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: SW - 24 (H212478-23)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.93	96.6	2.00	8.54	
Toluene*	<0.050	0.050	09/08/2021	ND	1.94	96.9	2.00	6.62	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.94	97.1	2.00	6.26	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	6.31	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/09/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	212	106	200	0.705	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	227	113	200	4.41	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	95.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	88.0	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: SW - 26 (H212478-24)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.93	96.6	2.00	8.54	
Toluene*	<0.050	0.050	09/08/2021	ND	1.94	96.9	2.00	6.62	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.94	97.1	2.00	6.26	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	6.31	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/09/2021	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	212	106	200	0.705	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	227	113	200	4.41	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	91.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	81.9	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: SW - 28 (H212478-25)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.93	96.6	2.00	8.54	
Toluene*	<0.050	0.050	09/08/2021	ND	1.94	96.9	2.00	6.62	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.94	97.1	2.00	6.26	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	6.31	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2021	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	212	106	200	0.705	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	227	113	200	4.41	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	91.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	82.2	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: BH - 33 (H212478-26)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.93	96.6	2.00	8.54	
Toluene*	<0.050	0.050	09/08/2021	ND	1.94	96.9	2.00	6.62	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.94	97.1	2.00	6.26	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	6.31	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/09/2021	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	212	106	200	0.705	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	227	113	200	4.41	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	70.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	65.7	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact 212C - MD - 02363 Project Number: Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: BH - 34 (H212478-27)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.93	96.6	2.00	8.54	
Toluene*	<0.050	0.050	09/08/2021	ND	1.94	96.9	2.00	6.62	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.94	97.1	2.00	6.26	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	6.31	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	09/09/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	212	106	200	0.705	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	227	113	200	4.41	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	84.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	77.5	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: BH - 35 (H212478-28)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.93	96.6	2.00	8.54	
Toluene*	<0.050	0.050	09/08/2021	ND	1.94	96.9	2.00	6.62	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.94	97.1	2.00	6.26	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	6.31	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	09/09/2021	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	212	106	200	0.705	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	227	113	200	4.41	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	88.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	79.2	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: BH - 36 (H212478-29)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.93	96.6	2.00	8.54	
Toluene*	<0.050	0.050	09/08/2021	ND	1.94	96.9	2.00	6.62	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.94	97.1	2.00	6.26	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	6.31	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	09/09/2021	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	212	106	200	0.705	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	227	113	200	4.41	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	81.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	72.5	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: BH - 37 (H212478-30)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.93	96.6	2.00	8.54	
Toluene*	<0.050	0.050	09/08/2021	ND	1.94	96.9	2.00	6.62	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.94	97.1	2.00	6.26	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	6.31	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	09/09/2021	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	212	106	200	0.705	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	227	113	200	4.41	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	82.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	76.9	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact 212C - MD - 02363 Project Number: Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: BH - 38 (H212478-31)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.93	96.6	2.00	8.54	
Toluene*	<0.050	0.050	09/08/2021	ND	1.94	96.9	2.00	6.62	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.94	97.1	2.00	6.26	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	6.31	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	09/09/2021	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	212	106	200	0.705	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	227	113	200	4.41	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	77.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	69.3	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02363 Tamara Oldaker Sample Received By:

Project Location: EOG - LEA CO NM

Sample ID: BH - 39 (H212478-32)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.93	96.6	2.00	8.54	
Toluene*	<0.050	0.050	09/08/2021	ND	1.94	96.9	2.00	6.62	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.94	97.1	2.00	6.26	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	6.31	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/09/2021	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	212	106	200	0.705	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	227	113	200	4.41	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	83.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	79.5	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact 212C - MD - 02363 Tamara Oldaker Project Number: Sample Received By:

Project Location: EOG - LEA CO NM

Sample ID: BH - 40 (H212478-33)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.93	96.6	2.00	8.54	
Toluene*	<0.050	0.050	09/08/2021	ND	1.94	96.9	2.00	6.62	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.94	97.1	2.00	6.26	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	6.31	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	09/09/2021	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	212	106	200	0.705	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	227	113	200	4.41	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	83.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	75.1	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/07/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact 212C - MD - 02363 Project Number: Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: BH - 41 (H212478-34)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.93	96.6	2.00	8.54	
Toluene*	<0.050	0.050	09/08/2021	ND	1.94	96.9	2.00	6.62	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.94	97.1	2.00	6.26	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	6.31	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	09/09/2021	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	212	106	200	0.705	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	227	113	200	4.41	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	61.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	56.0	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/07/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02363 Tamara Oldaker Sample Received By:

Project Location: EOG - LEA CO NM

Sample ID: BH - 42 (H212478-35)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2021	ND	1.93	96.6	2.00	8.54	
Toluene*	<0.050	0.050	09/08/2021	ND	1.94	96.9	2.00	6.62	
Ethylbenzene*	<0.050	0.050	09/08/2021	ND	1.94	97.1	2.00	6.26	
Total Xylenes*	<0.150	0.150	09/08/2021	ND	6.01	100	6.00	6.31	
Total BTEX	<0.300	0.300	09/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/09/2021	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	212	106	200	0.705	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	227	113	200	4.41	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	79.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	70.4	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/07/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: BH - 43 (H212478-36)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.93	96.6	2.00	8.54	
Toluene*	<0.050	0.050	09/09/2021	ND	1.94	96.9	2.00	6.62	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.94	97.1	2.00	6.26	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	6.01	100	6.00	6.31	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/09/2021	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	212	106	200	0.705	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	227	113	200	4.41	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	79.2 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	71.79	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/07/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: BH - 44 (H212478-37)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.93	96.6	2.00	8.54	
Toluene*	<0.050	0.050	09/09/2021	ND	1.94	96.9	2.00	6.62	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.94	97.1	2.00	6.26	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	6.01	100	6.00	6.31	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/09/2021	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	212	106	200	0.705	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	227	113	200	4.41	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	85.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	77.1	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/07/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02363 Tamara Oldaker Sample Received By:

Project Location: EOG - LEA CO NM

Sample ID: BH - 45 (H212478-38)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.93	96.6	2.00	8.54	
Toluene*	<0.050	0.050	09/09/2021	ND	1.94	96.9	2.00	6.62	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.94	97.1	2.00	6.26	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	6.01	100	6.00	6.31	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/09/2021	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	212	106	200	0.705	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	227	113	200	4.41	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	79.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	71.2	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/07/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: BH - 46 (H212478-39)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.93	96.6	2.00	8.54	
Toluene*	<0.050	0.050	09/09/2021	ND	1.94	96.9	2.00	6.62	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.94	97.1	2.00	6.26	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	6.01	100	6.00	6.31	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/09/2021	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	212	106	200	0.705	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	227	113	200	4.41	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	83.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	74.4	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/07/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact 212C - MD - 02363 Tamara Oldaker Project Number: Sample Received By:

Project Location: EOG - LEA CO NM

Sample ID: BH - 47 (H212478-40)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.93	96.6	2.00	8.54	
Toluene*	<0.050	0.050	09/09/2021	ND	1.94	96.9	2.00	6.62	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.94	97.1	2.00	6.26	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	6.01	100	6.00	6.31	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/09/2021	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	212	106	200	0.705	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	227	113	200	4.41	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	79.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	70.8	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/07/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact 212C - MD - 02363 Tamara Oldaker Project Number: Sample Received By:

Project Location: EOG - LEA CO NM

Sample ID: BH - 48 (H212478-41)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.78	88.8	2.00	7.82	
Toluene*	<0.050	0.050	09/09/2021	ND	1.93	96.6	2.00	8.52	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.91	95.3	2.00	8.49	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.76	95.9	6.00	7.76	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 %	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/09/2021	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	216	108	200	1.21	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	188	94.0	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	74.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	70.3	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/07/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact Project Number: Tamara Oldaker 212C - MD - 02363 Sample Received By:

Project Location: EOG - LEA CO NM

Sample ID: BH - 49 (H212478-42)

BTEX 8021B	mg,	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.78	88.8	2.00	7.82	
Toluene*	<0.050	0.050	09/09/2021	ND	1.93	96.6	2.00	8.52	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.91	95.3	2.00	8.49	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.76	95.9	6.00	7.76	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	'kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/09/2021	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	216	108	200	1.21	
DRO >C10-C28*	13.0	10.0	09/09/2021	ND	188	94.0	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	74.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	71.1	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/02/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact 212C - MD - 02363 Tamara Oldaker Project Number: Sample Received By:

Project Location: EOG - LEA CO NM

Sample ID: BH - 50 (H212478-43)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.78	88.8	2.00	7.82	
Toluene*	<0.050	0.050	09/09/2021	ND	1.93	96.6	2.00	8.52	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.91	95.3	2.00	8.49	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.76	95.9	6.00	7.76	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	09/09/2021	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	216	108	200	1.21	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	188	94.0	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	73.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	70.4	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/02/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: BH - 51 (H212478-44)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.78	88.8	2.00	7.82	
Toluene*	<0.050	0.050	09/09/2021	ND	1.93	96.6	2.00	8.52	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.91	95.3	2.00	8.49	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.76	95.9	6.00	7.76	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2021	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	216	108	200	1.21	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	188	94.0	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	74.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	72.0	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/02/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: BH - 52 (H212478-45)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.78	88.8	2.00	7.82	
Toluene*	<0.050	0.050	09/09/2021	ND	1.93	96.6	2.00	8.52	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.91	95.3	2.00	8.49	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.76	95.9	6.00	7.76	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/09/2021	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	216	108	200	1.21	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	188	94.0	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	76.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	72.2	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/02/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: BH - 53 (H212478-46)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.78	88.8	2.00	7.82	
Toluene*	<0.050	0.050	09/09/2021	ND	1.93	96.6	2.00	8.52	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.91	95.3	2.00	8.49	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.76	95.9	6.00	7.76	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/09/2021	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	216	108	200	1.21	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	188	94.0	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	75.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	73.7	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: BH - 54 (H212478-47)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.78	88.8	2.00	7.82	
Toluene*	<0.050	0.050	09/09/2021	ND	1.93	96.6	2.00	8.52	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.91	95.3	2.00	8.49	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.76	95.9	6.00	7.76	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/09/2021	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	216	108	200	1.21	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	188	94.0	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	68.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	66.6	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: BH - 55 (H212478-48)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.78	88.8	2.00	7.82	
Toluene*	<0.050	0.050	09/09/2021	ND	1.93	96.6	2.00	8.52	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.91	95.3	2.00	8.49	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.76	95.9	6.00	7.76	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/09/2021	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	216	108	200	1.21	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	188	94.0	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	76.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	73.8	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact Project Number: 212C - MD - 02363 Tamara Oldaker Sample Received By:

Project Location: EOG - LEA CO NM

Sample ID: BH - 56 (H212478-49)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.78	88.8	2.00	7.82	
Toluene*	<0.050	0.050	09/09/2021	ND	1.93	96.6	2.00	8.52	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.91	95.3	2.00	8.49	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.76	95.9	6.00	7.76	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/09/2021	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	216	108	200	1.21	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	188	94.0	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	76.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	73.6	% 38.9-14	2						

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with Sigh



Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact 212C - MD - 02363 Sample Received By: Project Number: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: BH - 57 (H212478-50)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.78	88.8	2.00	7.82	
Toluene*	<0.050	0.050	09/09/2021	ND	1.93	96.6	2.00	8.52	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.91	95.3	2.00	8.49	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.76	95.9	6.00	7.76	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/09/2021	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	216	108	200	1.21	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	188	94.0	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	73.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	69.1	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: BH - 58 (H212478-51)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.78	88.8	2.00	7.82	
Toluene*	<0.050	0.050	09/09/2021	ND	1.93	96.6	2.00	8.52	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.91	95.3	2.00	8.49	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.76	95.9	6.00	7.76	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	09/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	216	108	200	1.21	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	188	94.0	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	69.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	65.6	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/08/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: BH - 59 (H212478-52)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.78	88.8	2.00	7.82	
Toluene*	<0.050	0.050	09/09/2021	ND	1.93	96.6	2.00	8.52	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.91	95.3	2.00	8.49	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.76	95.9	6.00	7.76	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	216	108	200	1.21	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	188	94.0	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	75.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	68.6	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/02/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: BH - 60 (H212478-53)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.78	88.8	2.00	7.82	
Toluene*	<0.050	0.050	09/09/2021	ND	1.93	96.6	2.00	8.52	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.91	95.3	2.00	8.49	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.76	95.9	6.00	7.76	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	216	108	200	1.21	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	188	94.0	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	74.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	69.7	% 38.9-14	2						

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Mile Sough



Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/02/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: BH - 61 (H212478-54)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.78	88.8	2.00	7.82	
Toluene*	<0.050	0.050	09/09/2021	ND	1.93	96.6	2.00	8.52	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.91	95.3	2.00	8.49	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.76	95.9	6.00	7.76	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	216	108	200	1.21	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	188	94.0	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	76.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	72.0	% 38.9-14	2						

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MA Sough



Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/02/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: BH - 62 (H212478-55)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.78	88.8	2.00	7.82	
Toluene*	<0.050	0.050	09/09/2021	ND	1.93	96.6	2.00	8.52	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.91	95.3	2.00	8.49	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.76	95.9	6.00	7.76	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	216	108	200	1.21	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	188	94.0	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	70.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	66.2	% 38.9-14	2						

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with Sigh



Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/02/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact 212C - MD - 02363 Tamara Oldaker Project Number: Sample Received By:

Project Location: EOG - LEA CO NM

Sample ID: BH - 63 (H212478-56)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.78	88.8	2.00	7.82	
Toluene*	<0.050	0.050	09/09/2021	ND	1.93	96.6	2.00	8.52	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.91	95.3	2.00	8.49	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.76	95.9	6.00	7.76	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	216	108	200	1.21	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	188	94.0	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	82.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	78.3	% 38.9-14	2						

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with Sigh



Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/02/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: BH - 64 (H212478-57)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.78	88.8	2.00	7.82	
Toluene*	<0.050	0.050	09/09/2021	ND	1.93	96.6	2.00	8.52	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.91	95.3	2.00	8.49	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.76	95.9	6.00	7.76	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	216	108	200	1.21	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	188	94.0	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	81.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	75.9	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/02/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: BH - 65 (H212478-58)

RTFY 8021R

1.78 1.93 1.91 5.76	% Recovery 88.8 96.6 95.3 95.9	True Value QC 2.00 2.00 2.00 6.00	RPD 7.82 8.52 8.49 7.76	Qualifier
1.93 1.91 5.76	96.6 95.3 95.9	2.00 2.00	8.52 8.49	
1.91 5.76	95.3 95.9	2.00	8.49	
5.76	95.9			
		6.00	7.76	
lank BS	W P			
lank RS	0/ P			
lank BS	0/ D			
lank BS	0/ D			
idilik DS	% Recovery	True Value QC	RPD	Qualifier
416	104	400	3.77	
lank BS	% Recovery	True Value QC	RPD	Qualifier
216	108	200	1.21	
188	94.0	200	1.79	

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/02/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: BH - 66 (H212478-59)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.78	88.8	2.00	7.82	
Toluene*	<0.050	0.050	09/09/2021	ND	1.93	96.6	2.00	8.52	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.91	95.3	2.00	8.49	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.76	95.9	6.00	7.76	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	216	108	200	1.21	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	188	94.0	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	78.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	73.2	% 38.9-14	2						

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Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/07/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: BH - 67 (H212478-60)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.78	88.8	2.00	7.82	
Toluene*	<0.050	0.050	09/09/2021	ND	1.93	96.6	2.00	8.52	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.91	95.3	2.00	8.49	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.76	95.9	6.00	7.76	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	216	108	200	1.21	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	188	94.0	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	76.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	70.7	% 38.9-14	2						

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Me Sough



Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/02/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: BH - 68 (H212478-61)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.91	95.6	2.00	9.51	
Toluene*	<0.050	0.050	09/09/2021	ND	1.90	95.2	2.00	7.73	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.91	95.6	2.00	6.51	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.92	98.6	6.00	6.06	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	202	101	200	3.93	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	210	105	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	92.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	90.7	% 38.9-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

ma/ka

Received: 09/08/2021 Sampling Date: 09/02/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

Sample ID: BH - 69 (H212478-62)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.91	95.6	2.00	9.51	
Toluene*	<0.050	0.050	09/09/2021	ND	1.90	95.2	2.00	7.73	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.91	95.6	2.00	6.51	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.92	98.6	6.00	6.06	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	09/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	202	101	200	3.93	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	210	105	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	111 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	110	% 38.9-14	2						

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Mile Sough



Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/02/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: BH - 70 (H212478-63)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.91	95.6	2.00	9.51	
Toluene*	<0.050	0.050	09/09/2021	ND	1.90	95.2	2.00	7.73	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.91	95.6	2.00	6.51	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.92	98.6	6.00	6.06	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	202	101	200	3.93	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	210	105	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	85.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.0	% 38.9-14	2						

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Me Sough



Analytical Results For:

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

Received: 09/08/2021 Sampling Date: 09/02/2021

Reported: 09/09/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02363 Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: BH - 71 (H212478-64)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2021	ND	1.91	95.6	2.00	9.51	
Toluene*	<0.050	0.050	09/09/2021	ND	1.90	95.2	2.00	7.73	
Ethylbenzene*	<0.050	0.050	09/09/2021	ND	1.91	95.6	2.00	6.51	
Total Xylenes*	<0.150	0.150	09/09/2021	ND	5.92	98.6	6.00	6.06	
Total BTEX	<0.300	0.300	09/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2021	ND	202	101	200	3.93	
DRO >C10-C28*	<10.0	10.0	09/09/2021	ND	210	105	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	09/09/2021	ND					
Surrogate: 1-Chlorooctane	78.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	77.4	% 38.9-14	2						

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Notes and Definitions

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values. BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected. ND Analyte NOT DETECTED at or above the reporting limit RPD Relative Percent Difference Samples not received at proper temperature of 6°C or below. Insufficient time to reach temperature. Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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Tetra Tech, Inc. Project Projec		Relinquished by.		Relinquished by	pra	Relinquished by:	10	7	200	12	6	-0	14		2	2		ONLY	(LAB USE	LAB#	H212478			Comments:	S. Contraction of the contractio	Booking Laboratory	Invoice to:	(county, state)	Project Location:	Project Name:		Client Name:		#	Analysis Requ	
ANALYSIS REQUEST TIME WATER WATER WATER SOIL HCL None ##NO2 ICE None ##NO2 ##NO2 ##NO2 ##NO2 ##NO2 ##NO3 ##NO2 ##NO3 ##NO3 ##NO3 ##NO3 ##NO4 ##NO4 ##NO5 ##NOS		oy.	Date:	Date.	oto.	7 1. Q-9-3	SW-10 Date:	SKIN	O S S S S S S S S S S S S S S S S S S S	SEIA) WIW		いだれ	CM-4	1	2-M2	JW-1			SAMPLE IDENTIFICATION	NOTES				(and)		ROSALINAS KANIA	The COUNTY NOW MANGE		10 F Thomas Riser	o Kessurce			Tetra Tech, Inc.	1	De la
MALYSIS REQUEST MALYSI	ORIGINAL COPY		Received by:		Received by:	hamas	Received by:	9/7/21	17/	7	9/7/21		9/1/2)	417/24	13/1/1	(4)11/2	- 1		-		YEAR: 2020	SAMPLING			, , ,	Sampler Signature:	Stack	777	Project #:							
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TCLP Semi Volatiles TCLP Semi Volatiles TCLP Semi Volatiles RCI RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance	(Circle) HAND DELIN		#113	2.46	Sample Temperature	SONLI	LAB USE	-	4									->	∀ B	TPH EPAH E	8021 FX100 8015N 82700 Metals	B D5 (E M (C c s Ag	Ext to GRO As I	- DR	6) d Cr	ORO Pb S	Se Hg	1								
		FEDEX UPS	Special Report Limits or TRRP Report		5	RUSH: Same Day 24 hr	STANDARD	REMARKS:	-											TCLP RCI GC/N GC/N PCB' NOR PLM Chlo Chlo	IS Vo	ol. 82 emi. '82 /	260E Vol. 608 s)	8270 e	TDS stry		attac	ched	list)			r Specify Method	JEST			

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TIME WATER SOIL HCL HNO3 HCL None PRESERVATIVE WATER NONE BTEX 8260B TPH TX1005 (Ext to C35) TPH X015M (GRO - DRO - ORO - MRO) PAH 8270C TOTAL Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles TCLP Volatiles TCLP Semi Volatiles RCG RCG RCG RCG TCLP Semi Volatiles RCG RCG RCG RCG RCG RCG TCLP Semi Volatiles RCG RCG RCG RCG RCG RCG TCLP Semi Volatiles RCG RCG RCG RCG RCG RCG RCG TCLP Semi Volatiles RCG RCG RCG RCG RCG RCG RCG RC
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v: //\.01444 0 Fax#: U32	-682-3946	*** *** *** *** *** *** *** *** *** **
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oject Name: A COUNTY N	Phone #:	3 5 M
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OR LAB USE ONLY	R	807 8
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35 84-42	X 9/1/2	
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Delivered By: (Circle One) Observed Temp. °C	Sample Condition CHECKED BY: Cool Intact (Initials) CYPES TYPES	Thermometer ID #113 Thermometer ID #113 Thermometer ID #10

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



p. °C	analyses. All claims including above for implyencements of manages, including without fir dation, business interruptions, joss of time. If have be the control of the above stated resoons or otherwise service in no event shall Cardinal be liable for including event of the services hereunder by Cardins's ingertiacy of whether such claims based upon any of the above stated resoons or otherwise affiliates or successors arising out of or related to the performance of services hereunder by Cardins's ingertiacy of whether such claims based upon any of the above stated resoons or otherwise. Received By: Received By: Time: Received By: Received By: Remarks	State: X Zip: 79705 Attr State: X Zip: 79705 Attr Sproject Owner: X Xin Baddiscit, Sproject Owner: Xin Baddiscit, State Xin Bad	١
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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Chloride Chloride Chloride No Add'l Phone #: led. Please provide Email address: led. Standard Cool Intact Cool Intact No No Add'l Phone #:	inges. Please email changes to celey.keer	ion CHECKED BY: Turnaround Time: (Initials) S	REMARKS:	are er	8		X 9/2/1 X 9/2/1	X 9/42)	X 9/1/2 7 1	OTHER:			**	70.	in Black	FOG Regulas	
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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ANALYSIS REQUEST FOR RESOURCES TETRA TECH PO. #: FOR POST TOWN LONG State: TY ZID: 1970.5 AITH LON #: LEA COUNTY NEW MATRIX PRESERVI SAMPLING BH - 69 GIGHAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OTHER ACIDERASE: ACIDERAS			r completion of the applicable fent, its subsidiaries, asons or otherwise.	ed in contract or tort, shall be immed to the answer year in writing and received by Cardinal within 30 days after interruptions, loss of use, or loss of profits incurred by cl interruptions, loss of use, or loss of profits incurred by cl	or any claim arising whether bands to deemed waived unless made ding without irrulation, business	ity and client's er any other cause at or consequent	nd Darnages. Cardinal's lia ing those for negligence an	E NOTE: Liability a
TETRAN (5/8) 393-24/6 PO. #: PO. #: PO. #: LAND-01363 Project Owner: KN TH BINDERSCITY: LAND-01363 Project Owner: KN TH BINDERSCITY: State: Zip: HEAUT Throb Pisse MATRIX PRESERV. SAMPLING BH-170 SAMPLING GIRAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER ACID/BASE: ACID/BASE: ICE / COOL OTHER ACID/BASE: ACID			by the client for the	3				
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ANALYSIS REQUEST THE RESOURCES TETRATECH P.O.#: FITTIANY LONS State: TX ID: 19705 Attn: Keyin Black Becker L.M.D. 1363 Project Owner: Keyin Black Beckiy: State: Zip: 19705 Attn: Keyin Black Beckiy: State: Zip: 19705 Attn: Keyin Black Beckiy: State: Zip: 19705 Attn: Keyin Black Beckiy: State: Zip: Phone #: Fax #: Fax #: MATRIX PRESERV! SAMPLING ANALYSIS REQUEST ANALYSIS REQUE		Morio	EX	SE:	OWATER	ple I D	Sam .	5.
ANALYSIS FOC RESOUTED TETRATECH P.O. #: Prittany Long State: T Zip: 19705 Attn: Kev.in Stack County New Mexico Phone #: ANALYSIS A	•	Je	40°	PRESERV.	MA			ler Name:
Name: FOG RESOURCES TETRETECH BILL TO Name: FOG RESOURCES TETRETECH P.O. #: anager: Brittony Lons OO Wall STREET St. 100 Company: EOC Resuces to State: T. Zip: 79705 Attn: Kevin Slack & Company: FOG Resuces to State: T. Zip: 79705 Attn: Kevin Slack & Company: FOG Resuces to State: T. Zip: 79705 Attn: Kevin Slack & Company: FOG Resuces to State: T. Zip: 79705 Attn: Kevin Slack & Company: FOG Resuces to State: T. Zip: 79705 Attn: Kevin Slack & Company: FOG Resuces to State: T. Zip: 79705 Attn: Kevin Slack & Company: FOG Resuces to State: T. Zip: 79705 Attn: Kevin Slack & Company: FOG Resuces to State: T. Zip: 79705 Attn: Kevin Slack & Company: FOG Resuces to State: T. Zip: 79705 Attn: Kevin Slack & Company: FOG Resuces to State: T. Zip: 79705 Attn: Kevin Slack & Company: FOG Resuces to State: T. Zip: 79705 Attn: Kevin Slack & Company: FOG Resuces to State: T. Zip: 79705 Attn: Kevin Slack & Company: FOG Resuces to State: T. Zip: 79705 Attn: Kevin Slack & Company: FOG Resuces to State: T. Zip: 79705 Attn: Kevin Slack & Company: FOG Resuces to State: T. Zip: 79705 Attn: Kevin Slack & Company: FOG Resuces to State: T. Zip: 79705 Attn: Kevin Slack & Company: FOG Resuces to State: T. Zip: 79705 Attn: Kevin Slack & Company: FOG Resuces to State: T. Zip: 79705 Attn: Kevin Slack & Company: FOG Resuces to State: T. Zip: 79705 Attn: Kevin Slack & Company: FOG Resuces to State: T. Zip: 79705 Attn: Kevin Slack & Company: FOG Resuces to State: T. Zip: 79705 Attn: Kevin Slack & Company: FOG Resuces to State: T. Zip: 79705 Attn: Kevin Slack & Company: FOG Resuces to State: T. Zip: 79705 Attn: Kevin Slack & Company: FOG Resuces to State: T. Zip: 79705 Attn: Kevin Slack & Company: FOG Resuces to State: T. Zip: 79705 Attn: Kevin Slack & Company: FOG Resuces to State: T. Zip: 79705 Attn: Kevin Slack & Company: T. Zip			21B	State: Phone #:	A STATE OF THE PARTY OF THE PAR	Spect Owner	一王	t #: 212 t Name: t Location
Brittany long St. 100 Company: EO/7 Resources 2			BE S		797	n 2	2)-6824	# (43
(575) 393-2326 FAX (575) 393-2476 ANALYSIS			<u>C.</u>	P.O. #:	3	Suol ku	Britta	roject Manager:
A D L L L L L L L L L L L L L L L L L L	JEST			BILL	T870 7	_	(575) 393-232	ME OF STA



September 14, 2021

BRITTANY LONG
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: HEART THROB RISER SWD

Enclosed are the results of analyses for samples received by the laboratory on 09/13/21 11:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Lab Director/Quality Manager



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/09/2021

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: BH - 22 (H212528-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.98	99.2	2.00	3.51	
Toluene*	<0.050	0.050	09/13/2021	ND	1.97	98.5	2.00	2.42	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	1.98	98.8	2.00	3.47	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	6.11	102	6.00	2.56	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/14/2021	ND	448	112	400	3.64	QR-03
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	215	108	200	3.30	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	218	109	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	110 5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	117 9	% 38.9-14	2						

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Celey & Keene



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: BH - 23 (10') (H212528-02)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.98	99.2	2.00	3.51	
Toluene*	<0.050	0.050	09/13/2021	ND	1.97	98.5	2.00	2.42	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	1.98	98.8	2.00	3.47	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	6.11	102	6.00	2.56	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/14/2021	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	215	108	200	3.30	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	218	109	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	101	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	108	% 38.9-14	22						

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Celeg & Freene



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: Sampling Type: Soil 09/14/2021

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact Project Number: 212C - MD -Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: BH - 24 (16') (H212528-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.98	99.2	2.00	3.51	
Toluene*	<0.050	0.050	09/13/2021	ND	1.97	98.5	2.00	2.42	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	1.98	98.8	2.00	3.47	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	6.11	102	6.00	2.56	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	09/14/2021	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	215	108	200	3.30	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	218	109	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	107 9	6 44.3-13	3						
Surrogate: 1-Chlorooctadecane	116 %	6 38.9-14	2						

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Celeg D. Freene



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: Sampling Type: Soil 09/14/2021

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD -Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: BH - 25 (16') (H212528-04)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.98	99.2	2.00	3.51	
Toluene*	<0.050	0.050	09/13/2021	ND	1.97	98.5	2.00	2.42	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	1.98	98.8	2.00	3.47	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	6.11	102	6.00	2.56	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	09/14/2021	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	215	108	200	3.30	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	218	109	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	107	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	113	% 38.9-14	2						

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Celeg D. Freene



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/09/2021

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: EOG - LEA CO NM

Sample ID: BH - 26 (4') (H212528-05)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.98	99.2	2.00	3.51	
Toluene*	<0.050	0.050	09/13/2021	ND	1.97	98.5	2.00	2.42	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	1.98	98.8	2.00	3.47	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	6.11	102	6.00	2.56	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/14/2021	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	215	108	200	3.30	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	218	109	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	98.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	109	% 38.9-14	2						

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Celey D. Keene



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100

MIDLAND TX, 79701 Fax To: (432) 682

Fax To: (432) 682-3946

 Received:
 09/13/2021
 Sampling Date:
 09/09/2021

 Reported:
 09/14/2021
 Sampling Type:
 Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: EOG - LEA CO NM

Sample ID: BH - 27 (4') (H212528-06)

RTFY 8021R

Result								
	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	09/13/2021	ND	1.98	99.2	2.00	3.51	
<0.050	0.050	09/13/2021	ND	1.97	98.5	2.00	2.42	
<0.050	0.050	09/13/2021	ND	1.98	98.8	2.00	3.47	
<0.150	0.150	09/13/2021	ND	6.11	102	6.00	2.56	
<0.300	0.300	09/13/2021	ND					
103 9	% 69.9-14	0						
mg/	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
80.0	16.0	09/14/2021	ND	448	112	400	3.64	
mg/	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	09/13/2021	ND	215	108	200	3.30	
<10.0	10.0	09/13/2021	ND	218	109	200	2.74	
<10.0	10.0	09/13/2021	ND					
105 9	% 44.3-13	3						
111 9	% 38.9-14	2						
_	<0.050 <0.050 <0.050 <0.150 <0.300 103 mg/ Result 80.0 mg/ Color = 10.0 <10.0 <10.0	<0.050 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 0.300 103 % 69.9-14 mg/kg Result Reporting Limit 80.0 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

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Celey D. Keene



Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STR

 $901\ \text{WEST}\ \text{WALL}\ \text{STREET}$, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/09/2021

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: EOG - LEA CO NM

Sample ID: BH - 28 (4') (H212528-07)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.98	99.2	2.00	3.51	
Toluene*	<0.050	0.050	09/13/2021	ND	1.97	98.5	2.00	2.42	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	1.98	98.8	2.00	3.47	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	6.11	102	6.00	2.56	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/14/2021	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	215	108	200	3.30	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	218	109	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	103	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	109	% 38.9-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/09/2021

Reported: Sampling Type: Soil 09/14/2021

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact Project Number: 212C - MD -Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: BH - 29 (4') (H212528-08)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.98	99.2	2.00	3.51	
Toluene*	<0.050	0.050	09/13/2021	ND	1.97	98.5	2.00	2.42	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	1.98	98.8	2.00	3.47	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	6.11	102	6.00	2.56	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/14/2021	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	215	108	200	3.30	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	218	109	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	102 9	44.3-13	3						
Surrogate: 1-Chlorooctadecane	108 9	38.9-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/09/2021

Reported: Sampling Type: Soil 09/14/2021

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD -Tamara Oldaker

Analyzed By: MS

Project Location: EOG - LEA CO NM

mg/kg

Sample ID: BH - 30 (4') (H212528-09)

BTEX 8021B

	9/	9	71.14.17.20	= 7					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.98	99.2	2.00	3.51	
Toluene*	<0.050	0.050	09/13/2021	ND	1.97	98.5	2.00	2.42	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	1.98	98.8	2.00	3.47	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	6.11	102	6.00	2.56	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	09/14/2021	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	215	108	200	3.30	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	218	109	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	108	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	113	% 38.9-14	22						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/09/2021

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: EOG - LEA CO NM

mg/kg

Sample ID: BH - 31 (4') (H212528-10)

BTEX 8021B

	9/	9	71.14.1, = 0	= 7					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.98	99.2	2.00	3.51	
Toluene*	<0.050	0.050	09/13/2021	ND	1.97	98.5	2.00	2.42	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	1.98	98.8	2.00	3.47	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	6.11	102	6.00	2.56	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	09/14/2021	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	215	108	200	3.30	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	218	109	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	104	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	110	% 38.9-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100

901 WEST WALL STREET, STE 10

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: 09/14/2021 Sampling Type: Soil
Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact

Project Number: 212C - MD - Sample Received By: Tamara Oldaker Project Location: EOG - LEA CO NM

Sample ID: BH - 19 (16') (H212528-11)

BTEX 8021B	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.98	99.2	2.00	3.51	
Toluene*	<0.050	0.050	09/13/2021	ND	1.97	98.5	2.00	2.42	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	1.98	98.8	2.00	3.47	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	6.11	102	6.00	2.56	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/14/2021	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	215	108	200	3.30	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	218	109	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	95.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	100	% 38.9-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: Sampling Type: Soil 09/14/2021

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD -Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: BH - 20 (16') (H212528-12)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.98	99.2	2.00	3.51	
Toluene*	<0.050	0.050	09/13/2021	ND	1.97	98.5	2.00	2.42	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	1.98	98.8	2.00	3.47	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	6.11	102	6.00	2.56	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/14/2021	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	215	108	200	3.30	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	218	109	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	107 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	113 9	6 38.9-14	2						

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Analytical Results For:

TETRA TECH
BRITTANY LONG

901 WEST WALL STREET , STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: EOG - LEA CO NM

Sample ID: BH - 21 (16') (H212528-13)

RTFY 8021R

Result <0.050 <0.050 <0.050 <0.150	Reporting Limit 0.050 0.050 0.050	Analyzed 09/14/2021 09/14/2021	Method Blank ND ND	BS 1.98	% Recovery 99.2	True Value QC	RPD	Qualifier
<0.050 <0.050	0.050			1.98	99.2	2.00	2.54	
<0.050		09/14/2021	ND			=:00	3.51	
	0.050		ND	1.97	98.5	2.00	2.42	
<0.150		09/14/2021	ND	1.98	98.8	2.00	3.47	
	0.150	09/14/2021	ND	6.11	102	6.00	2.56	
<0.300	0.300	09/14/2021	ND					
98.9	% 69.9-14	0						
mg/	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
320	16.0	09/14/2021	ND	448	112	400	3.64	
mg/	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	09/13/2021	ND	215	108	200	3.30	
<10.0	10.0	09/13/2021	ND	218	109	200	2.74	
<10.0	10.0	09/13/2021	ND					
103 5	% 44.3-13	3						
109 9	% 38.9-14	2						
	<0.300 98.9 mg/ Result 320 mg/ Result <10.0 <10.0 103	<0.300 98.9 % 69.9-14 mg/ky Result Reporting Limit 320 16.0 mg/ky Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0 <10.0 10.0 <10.0 10.0	<0.300 0.300 09/14/2021 98.9 % 69.9-140 mg/ky Analyzed 320 16.0 09/14/2021 mg/ky Analyzed Result Reporting Limit Analyzed <10.0	<0.300 09/14/2021 ND 98.9 % 69.9-140 mg/ky Analyzed By: AC Result Reporting Limit 16.0 09/14/2021 ND Method Blank Result Reporting Limit Analyzed Method Blank <10.0	<0.300 0.300 09/14/2021 ND 98.9 % 69.9-140 mg/ky Analyzed By: AC Result Reporting Limit Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS <10.0	< 0.300 09/14/2021 ND 98.9 % 69.9-140 mg/ky Analyzed By: AC Result Reporting Limit Analyzed By: MS % Recovery Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	40.300 0.300 09/14/2021 ND 98.9 % 69.9-140 mg/ky Analyzed By: AC Result Reporting Limit Analyzed Nethod Blank BS % Recovery 7 True Value QC 320 16.0 09/14/2021 ND 448 112 400 mg/ky Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <10.0 10.0 09/13/2021 ND 215 108 200	< 0.300 09/14/2021 ND 98.9 % 69.9-140 mg/kg Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 320 16.0 09/14/2021 ND ND 448 112 400 3.64 mg/kg Analyzed By: MS Result Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <10.0

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: SW - 44 (H212528-14)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2021	ND	1.98	99.2	2.00	3.51	
Toluene*	<0.050	0.050	09/14/2021	ND	1.97	98.5	2.00	2.42	
Ethylbenzene*	<0.050	0.050	09/14/2021	ND	1.98	98.8	2.00	3.47	
Total Xylenes*	<0.150	0.150	09/14/2021	ND	6.11	102	6.00	2.56	
Total BTEX	<0.300	0.300	09/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/14/2021	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	215	108	200	3.30	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	218	109	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	105	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	110	% 38.9-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: SW - 45 (H212528-15)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2021	ND	1.98	99.2	2.00	3.51	
Toluene*	<0.050	0.050	09/14/2021	ND	1.97	98.5	2.00	2.42	
Ethylbenzene*	<0.050	0.050	09/14/2021	ND	1.98	98.8	2.00	3.47	
Total Xylenes*	<0.150	0.150	09/14/2021	ND	6.11	102	6.00	2.56	
Total BTEX	<0.300	0.300	09/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/14/2021	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	215	108	200	3.30	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	218	109	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	94.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	99.7	% 38.9-14	2						

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Celey D. Keine



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: SW - 46 (H212528-16)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2021	ND	1.98	99.2	2.00	3.51	
Toluene*	<0.050	0.050	09/14/2021	ND	1.97	98.5	2.00	2.42	
Ethylbenzene*	<0.050	0.050	09/14/2021	ND	1.98	98.8	2.00	3.47	
Total Xylenes*	<0.150	0.150	09/14/2021	ND	6.11	102	6.00	2.56	
Total BTEX	<0.300	0.300	09/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.2	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/14/2021	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	194	97.1	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	217	109	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	103	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	102	% 38.9-14	2						

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Celey & Keene



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: EOG - LEA CO NM

ma/ka

Sample ID: SW - 47 (H212528-17)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.85	92.6	2.00	3.00	
Toluene*	<0.050	0.050	09/13/2021	ND	1.96	98.2	2.00	3.84	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	1.97	98.6	2.00	3.14	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	5.97	99.5	6.00	3.39	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	09/14/2021	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	194	97.1	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	217	109	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	102	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	101	% 38.9-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021 Reported: Sampling Type: Soil

09/14/2021 Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 212C - MD -Sample Received By:

Project Location: EOG - LEA CO NM

Sample ID: SW - 48 (H212528-18)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.85	92.6	2.00	3.00	
Toluene*	<0.050	0.050	09/13/2021	ND	1.96	98.2	2.00	3.84	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	1.97	98.6	2.00	3.14	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	5.97	99.5	6.00	3.39	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/14/2021	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	194	97.1	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	217	109	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	102 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	102 9	38.9-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021 Reported: Sampling Type: Soil 09/14/2021

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact Project Number: Sample Received By: Tamara Oldaker 212C - MD -

Project Location: EOG - LEA CO NM

Sample ID: SW - 49 (H212528-19)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.85	92.6	2.00	3.00	
Toluene*	<0.050	0.050	09/13/2021	ND	1.96	98.2	2.00	3.84	
Ethylbenzene*	< 0.050	0.050	09/13/2021	ND	1.97	98.6	2.00	3.14	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	5.97	99.5	6.00	3.39	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/14/2021	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	194	97.1	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	217	109	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	101 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	101 9	38.9-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: Sampling Type: Soil 09/14/2021

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact Project Number: Tamara Oldaker 212C - MD -Sample Received By:

Project Location: EOG - LEA CO NM

Sample ID: SW - 50 (H212528-20)

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.85	92.6	2.00	3.00	
Toluene*	<0.050	0.050	09/13/2021	ND	1.96	98.2	2.00	3.84	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	1.97	98.6	2.00	3.14	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	5.97	99.5	6.00	3.39	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/14/2021	ND	448	112	400	3.64	
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	09/13/2021	ND	194	97.1	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	217	109	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	99.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	97.2	% 38.9-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: Sampling Type: Soil 09/14/2021

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 212C - MD -Sample Received By:

Project Location: EOG - LEA CO NM

Sample ID: SW - 51 (H212528-21)

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.85	92.6	2.00	3.00	
Toluene*	<0.050	0.050	09/13/2021	ND	1.96	98.2	2.00	3.84	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	1.97	98.6	2.00	3.14	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	5.97	99.5	6.00	3.39	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/14/2021	ND	416	104	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	09/13/2021	ND	194	97.1	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	217	109	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	98.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	96.4	% 38.9-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: SW - 52 (H212528-22)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.85	92.6	2.00	3.00	
Toluene*	<0.050	0.050	09/13/2021	ND	1.96	98.2	2.00	3.84	
Ethylbenzene*	< 0.050	0.050	09/13/2021	ND	1.97	98.6	2.00	3.14	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	5.97	99.5	6.00	3.39	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 69.9-14	0						
Chloride, SM4500CI-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	09/14/2021	ND	416	104	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	09/13/2021	ND	194	97.1	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	217	109	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	93.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	97.6	% 38.9-14	2						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 09/13/2021

Reported: 09/14/2021 Project Name: HEART THROB RISER SWD

Project Number: 212C - MD Project Location: EOG - LEA CO NM

Sampling Date: 09/10/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 53 (H212528-23)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.85	92.6	2.00	3.00	
Toluene*	<0.050	0.050	09/13/2021	ND	1.96	98.2	2.00	3.84	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	1.97	98.6	2.00	3.14	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	5.97	99.5	6.00	3.39	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 69.9-14	0						
Chloride, SM4500CI-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	09/14/2021	ND	416	104	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	09/13/2021	ND	194	97.1	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	217	109	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	99.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	96.0	% 38.9-14	2						

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Celey D. Keene



09/10/2021

Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date:

Reported: Sampling Type: Soil 09/14/2021

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 212C - MD -Sample Received By:

Project Location: EOG - LEA CO NM

Sample ID: SW - 54 (H212528-24)

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.85	92.6	2.00	3.00	
Toluene*	<0.050	0.050	09/13/2021	ND	1.96	98.2	2.00	3.84	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	1.97	98.6	2.00	3.14	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	5.97	99.5	6.00	3.39	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500CI-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	09/14/2021	ND	416	104	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	09/13/2021	ND	194	97.1	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	217	109	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	103 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	99.7	% 38.9-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: EOG - LEA CO NM

mg/kg

Sample ID: SW - 55 (H212528-25)

BTEX 8021B

DIEX GOZID	mg/ kg		Allulyzo	Analyzea by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.85	92.6	2.00	3.00	
Toluene*	<0.050	0.050	09/13/2021	ND	1.96	98.2	2.00	3.84	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	1.97	98.6	2.00	3.14	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	5.97	99.5	6.00	3.39	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 69.9-14	0						
Chloride, SM4500CI-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	09/14/2021	ND	416	104	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	09/13/2021	ND	194	97.1	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	217	109	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	102	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	102	% 38.9-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

 Received:
 09/13/2021
 Sampling Date:
 09/13/2021

 Reported:
 09/14/2021
 Sampling Type:
 Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: SW - 23 (H212528-26)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.85	92.6	2.00	3.00	
Toluene*	<0.050	0.050	09/13/2021	ND	1.96	98.2	2.00	3.84	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	1.97	98.6	2.00	3.14	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	5.97	99.5	6.00	3.39	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 69.9-14	0						
Chloride, SM4500CI-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	09/14/2021	ND	416	104	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	09/13/2021	ND	194	97.1	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	217	109	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	102	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	100	% 38.9-14	2						

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL ST

 $901\ \mathsf{WEST}\ \mathsf{WALL}\ \mathsf{STREET}$, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: EOG - LEA CO NM

Sample ID: BH - 16 (10') (H212528-27)

RTFY 8021R

B1EX 8021B	mg/kg		Anaiyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.85	92.6	2.00	3.00	
Toluene*	<0.050	0.050	09/13/2021	ND	1.96	98.2	2.00	3.84	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	1.97	98.6	2.00	3.14	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	5.97	99.5	6.00	3.39	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/14/2021	ND	416	104	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	09/13/2021	ND	194	97.1	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	217	109	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	112	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	110	% 38.9-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: Sampling Type: Soil 09/14/2021

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD -Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: BH - 17 (10') (H212528-28)

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.85	92.6	2.00	3.00	
Toluene*	<0.050	0.050	09/13/2021	ND	1.96	98.2	2.00	3.84	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	1.97	98.6	2.00	3.14	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	5.97	99.5	6.00	3.39	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500CI-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	09/14/2021	ND	416	104	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	09/13/2021	ND	194	97.1	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	217	109	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	106 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	105 9	% 38.9-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: EOG - LEA CO NM

Sample ID: BH - 18 (16') (H212528-29)

RTFY 8021R

B1EX 8021B	mg/kg		Anaiyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.85	92.6	2.00	3.00	
Toluene*	<0.050	0.050	09/13/2021	ND	1.96	98.2	2.00	3.84	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	1.97	98.6	2.00	3.14	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	5.97	99.5	6.00	3.39	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/14/2021	ND	416	104	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	09/13/2021	ND	194	97.1	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	217	109	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	104	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	103	% 38.9-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: EOG - LEA CO NM

Sample ID: BH - 32 (16') (H212528-30)

RTFY 8021R

BIEX 8021B	тд/кд		Anaiyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.85	92.6	2.00	3.00	
Toluene*	<0.050	0.050	09/13/2021	ND	1.96	98.2	2.00	3.84	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	1.97	98.6	2.00	3.14	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	5.97	99.5	6.00	3.39	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/14/2021	ND	416	104	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	09/13/2021	ND	194	97.1	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	217	109	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	105	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	104	% 38.9-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

 Received:
 09/13/2021
 Sampling Date:
 09/10/2021

 Reported:
 09/14/2021
 Sampling Type:
 Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: SW - 25 (H212528-31)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.85	92.6	2.00	3.00	
Toluene*	<0.050	0.050	09/13/2021	ND	1.96	98.2	2.00	3.84	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	1.97	98.6	2.00	3.14	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	5.97	99.5	6.00	3.39	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/14/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	194	97.1	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	217	109	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	106	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	105	% 38.9-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: SW - 27 (H212528-32)

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	09/14/2021	ND	1.85	92.6	2.00	3.00	
Toluene*	<0.050	0.050	09/14/2021	ND	1.96	98.2	2.00	3.84	
Ethylbenzene*	<0.050	0.050	09/14/2021	ND	1.97	98.6	2.00	3.14	
Total Xylenes*	<0.150	0.150	09/14/2021	ND	5.97	99.5	6.00	3.39	
Total BTEX	<0.300	0.300	09/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	09/14/2021	ND	416	104	400	0.00	
TPH 8015M	mg	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	194	97.1	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	217	109	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	109	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	109	% 38.9-14	2						

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Celey D. Keene



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

 Received:
 09/13/2021
 Sampling Date:
 09/09/2021

 Reported:
 09/14/2021
 Sampling Type:
 Soil

Reported: 09/14/2021 Sampling Type: Soil
Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: SW - 29 (H212528-33)

BTEX 8021B	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2021	ND	1.85	92.6	2.00	3.00	
Toluene*	<0.050	0.050	09/14/2021	ND	1.96	98.2	2.00	3.84	
Ethylbenzene*	<0.050	0.050	09/14/2021	ND	1.97	98.6	2.00	3.14	
Total Xylenes*	<0.150	0.150	09/14/2021	ND	5.97	99.5	6.00	3.39	
Total BTEX	<0.300	0.300	09/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/14/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	194	97.1	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	217	109	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	102	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	102	% 38.9-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: SW - 30 (H212528-34)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2021	ND	1.85	92.6	2.00	3.00	
Toluene*	<0.050	0.050	09/14/2021	ND	1.96	98.2	2.00	3.84	
Ethylbenzene*	<0.050	0.050	09/14/2021	ND	1.97	98.6	2.00	3.14	
Total Xylenes*	<0.150	0.150	09/14/2021	ND	5.97	99.5	6.00	3.39	
Total BTEX	<0.300	0.300	09/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	10						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/14/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	194	97.1	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	217	109	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	104	% 44.3-13	23						
Surrogate: 1-Chlorooctadecane	105	% 38.9-14	12						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/09/2021

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: SW - 31 (H212528-35)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2021	ND	1.85	92.6	2.00	3.00	
Toluene*	<0.050	0.050	09/14/2021	ND	1.96	98.2	2.00	3.84	
Ethylbenzene*	<0.050	0.050	09/14/2021	ND	1.97	98.6	2.00	3.14	
Total Xylenes*	<0.150	0.150	09/14/2021	ND	5.97	99.5	6.00	3.39	
Total BTEX	<0.300	0.300	09/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/14/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	194	97.1	200	3.33	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	217	109	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	99.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	99.2	% 38.9-14	22						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: SW - 32 (H212528-36)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2021	ND	1.85	92.6	2.00	3.00	
Toluene*	<0.050	0.050	09/14/2021	ND	1.96	98.2	2.00	3.84	
Ethylbenzene*	< 0.050	0.050	09/14/2021	ND	1.97	98.6	2.00	3.14	
Total Xylenes*	<0.150	0.150	09/14/2021	ND	5.97	99.5	6.00	3.39	
Total BTEX	<0.300	0.300	09/14/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	09/14/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	211	105	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	188	93.9	200	5.28	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	88.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	89.1	% 38.9-14	2						

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: SW - 33 (H212528-37)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	2.00	99.9	2.00	3.86	
Toluene*	<0.050	0.050	09/13/2021	ND	2.11	105	2.00	5.25	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	2.11	105	2.00	4.64	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	6.33	106	6.00	4.13	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/14/2021	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	211	105	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	188	93.9	200	5.28	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	101	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	102	% 38.9-14	12						

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Analytical Results For:

TETRA TECH
BRITTANY LONG
901 WEST WALL STREET , STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: SW - 34 (H212528-38)

BTEX 8021B	mg	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	2.00	99.9	2.00	3.86	
Toluene*	<0.050	0.050	09/13/2021	ND	2.11	105	2.00	5.25	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	2.11	105	2.00	4.64	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	6.33	106	6.00	4.13	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/14/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	211	105	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	188	93.9	200	5.28	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	102	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	103	% 38.9-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: 09/14/2021 Sampling Type: Soil
Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact

Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: SW - 35 (H212528-39)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	2.00	99.9	2.00	3.86	
Toluene*	<0.050	0.050	09/13/2021	ND	2.11	105	2.00	5.25	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	2.11	105	2.00	4.64	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	6.33	106	6.00	4.13	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-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	09/14/2021	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	211	105	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	188	93.9	200	5.28	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	76.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	78.9	% 38.9-14	22						

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Celey D. Keine



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: SW - 36 (H212528-40)

BTEX 8021B	mg/kg		Analyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	2.00	99.9	2.00	3.86	
Toluene*	<0.050	0.050	09/13/2021	ND	2.11	105	2.00	5.25	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	2.11	105	2.00	4.64	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	6.33	106	6.00	4.13	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-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	09/14/2021	ND	416	104	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	211	105	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	188	93.9	200	5.28	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	96.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	98.2	% 38.9-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: SW - 37 (H212528-41)

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	09/13/2021	ND	2.00	99.9	2.00	3.86	
Toluene*	<0.050	0.050	09/13/2021	ND	2.11	105	2.00	5.25	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	2.11	105	2.00	4.64	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	6.33	106	6.00	4.13	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-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	09/14/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	211	105	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	188	93.9	200	5.28	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	89.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	89.4	% 38.9-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: SW - 38 (H212528-42)

BTEX 8021B	mg	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	2.00	99.9	2.00	3.86	
Toluene*	<0.050	0.050	09/13/2021	ND	2.11	105	2.00	5.25	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	2.11	105	2.00	4.64	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	6.33	106	6.00	4.13	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-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	09/14/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	211	105	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	188	93.9	200	5.28	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	93.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	96.3	% 38.9-14	22						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: SW - 40 (H212528-43)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	2.00	99.9	2.00	3.86	
Toluene*	<0.050	0.050	09/13/2021	ND	2.11	105	2.00	5.25	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	2.11	105	2.00	4.64	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	6.33	106	6.00	4.13	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/14/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/13/2021	ND	211	105	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/13/2021	ND	188	93.9	200	5.28	
EXT DRO >C28-C36	<10.0	10.0	09/13/2021	ND					
Surrogate: 1-Chlorooctane	96.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	98.8	% 38.9-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

 Received:
 09/13/2021
 Sampling Date:
 09/10/2021

 Reported:
 09/14/2021
 Sampling Type:
 Soil

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact

Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: SW - 41 (H212528-44)

BTEX 8021B	mg,	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	2.00	99.9	2.00	3.86	
Toluene*	<0.050	0.050	09/13/2021	ND	2.11	105	2.00	5.25	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	2.11	105	2.00	4.64	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	6.33	106	6.00	4.13	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/14/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2021	ND	211	105	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/14/2021	ND	188	93.9	200	5.28	
EXT DRO >C28-C36	<10.0	10.0	09/14/2021	ND					
Surrogate: 1-Chlorooctane	88.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	90.3	% 38.9-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact
Project Number: 212C - MD - Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: SW - 42 (H212528-45)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	2.00	99.9	2.00	3.86	
Toluene*	<0.050	0.050	09/13/2021	ND	2.11	105	2.00	5.25	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	2.11	105	2.00	4.64	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	6.33	106	6.00	4.13	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/14/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2021	ND	211	105	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/14/2021	ND	188	93.9	200	5.28	
EXT DRO >C28-C36	<10.0	10.0	09/14/2021	ND					
Surrogate: 1-Chlorooctane	94.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	98.1	% 38.9-14	2						

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Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/10/2021

Reported: Sampling Type: Soil 09/14/2021

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact Project Number: 212C - MD -Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: SW - 43 (H212528-46)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	2.00	99.9	2.00	3.86	
Toluene*	<0.050	0.050	09/13/2021	ND	2.11	105	2.00	5.25	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	2.11	105	2.00	4.64	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	6.33	106	6.00	4.13	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/14/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2021	ND	211	105	200	4.05	
DRO >C10-C28*	<10.0	10.0	09/14/2021	ND	188	93.9	200	5.28	
EXT DRO >C28-C36	<10.0	10.0	09/14/2021	ND					
Surrogate: 1-Chlorooctane	94.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	97.4	% 38.9-14	2						

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Relinquished by:		Relinquished by:		Relinquished by:	6/	a	8	7	0	ڻ	4	UN.	2	- /	LAB#	Hal assa		Comments:	Receiving Laboratory:	Invoice to:	(county, state)		Project Name:	Client Name:	급	Analysis Requ
Date: Time:		Date: Time:		Date: 13-2 Time:	BH-31 (4)	BH - 30 (41)	BH-29 (41)	BH-78 (41)	BH-27 (Y)	131-26 (H')	(16) 25-HZ	B-24 (16')	BH-23 (10') MT/9/19/2 9/10/	84-22	SAMPLE IDENTIFICATION				rainal Jaboratory	On Resources, Kenin	a County New Mexico	teart Intob Niser	1 . D.	DC Resources	Tetra Tech, Inc.	Analysis Request of Chain of Custody Record
Received by:		Received by:	hung	Received by:	9/9/2	9/9/21	9/9/21	9/9/21	9/9/21	9/9/21	0/16/21 +6	9110/21	2) of tortos	G(a/2)	DATE	YEAR: 2020	SAMPLING	_	Sampler Signature:	Back	2120-	Droing #-		Site Manager: 36		
Date: Tin		Date: Tin	ra Whatee	Date: Tin	×	×	×	×	×	quoia X	X X	×	×	×	WATER SOIL HCL HNO ₃ ICE		MATRIX PRESERVATIVE METHOD		In Taylor		MD-8256	O IM)		Many Lone	901YW Wall Street, Sie 100 Midland,Texas 79705 Tel (432) 682-4559 Fax (432) 682-3946	
Time:		ime.	9/13/21/15	ime:			~	~		×	×	~	<u></u>	_	# CONTAI FILTERED BTEX 802	INEF	RS (N)	EX 8260	В		4	9(13/21)				
#113	Silve lemberature	ample Temperature	ONLY	LAB USE	>	×	×	×	×	×	×	×	×	×	TPH TX10 TPH 8015 PAH 8270 Total Meta TCLP Meta	DOS (DOC als Aç	GRO g As E	C35) - DRO -	ORO -	Hg				ANALYSIS REQ		
	Rush Charges Authorized	X RUSH: Same Day		REMARKS:											TCLP Vola TCLP Sem RCI GC/MS Vol GC/MS Sel PCB's 808	ni Vo ol. 82 emi. \	latiles 260B Vol. 8	/ 624	25					REQUEST (Circle or Specify		
Special Report Limits or TRRP Report	Authorized	(24 hr) 48 hr		80	×	×	~	×	×	×	×	~	×		PLM (Asbe Chloride Chloride General V Anion/Cat	Su Vate	ılfate r Che	_	see att	ached	list)			Method No.)		Page 4
	>	72 hr													Hold								_		Page 4	19 of 5

	Relinquished by: Date: Time:	Relinquished by: Date: Time:	Relinguished by: Date: Time: 0-13-21 1/50	20 SW-50	H-MS	18 SM-48	17 SW-47	94-MS 11	1-M5	14 SM-44	13 (14-2) (16)	123 RH-20 (16')	1/2 BH-19 (16')	(LAB USE) 10.9/13/21	LAB # SAMPLE IDENTIFICATION	second the	Comments:	Receiving Laboratory:	invoice to: EOG RESOURCES KENIN	(county, state) Lea County, Men Mexico	Project Name: Heart Throb Riser	Client Name: FDG RESOURCES	Tetra Tech, Inc.	Analysis Request of Chain of Custody Record
ORIGINAL COPY	Received by: Date: Time:	Received by: Date: / Time:	Received by: Date: Time:	9/10/21	910/1 X X	9/0/2/ X X	9/10/21 X X	X X X	9/IO/21 X X	9/18/21 X X	9/10/2/ X X	9/16/21 X	9/10/2/ X	DATE TIME WATE SOIL HCL HNO ₃ ICE None	YEAR: 2020	SAMPLING MATRIX PRESERVATIVE METHOD	1	Sampler Signature:	Back	212C-MD-62363	(M)	Site Manager:	Tel (432) 682-4559 Fax (432) 682-3946	
(Circle) HAND DELIVERED FEDEX UPS Tracking #:	e: #//3 Special Report Limits or TRRP Report		ZI //SO ONLY REMARKS:	×	×	X	XXX	X	XX	X	X	× ×	× ×	# CON FILTER BTEX TPH T TPH 8 PAH 8 Total M TCLP I TCLP S RCI GC/MS GC/MS PCB'S NORM PLM (# Chlorid	RED (\\ \text{N} \text{8021B} \\ \text{8021B} \\ \text{8021B} \\ \text{0015M}	BTE (Ext to GRO) BTE (Ext to GRO) Ag As B Ag As S S S S S S S S S S S S S S S S S S	- DRO - Ba Cd C Ba Cd C s / 624 3270C/6	ORO - r Pb Se Cr Pb Se 25	Hg e Hg	7 02559 list)	(M3/2))	ANALYSIS REQUEST (Circle or Specify Method No.)		Page 2_of
				-	-	-					-	-	-	Hold							+		Page	50 of 53

	Date: Time:	Date: Time:	Date: Time: 0-13-21 1156	BH-32 (16°)	PH-17 (10)	The Clay	W-23	25 MS	74	753	SW-52	(W-5)		SAMPLE IDENTIFICATION			Receiving Laboratory: Cardinal Laboratory	Or Resurred Res	a COUNTY Now Maxicos	port Throb Riser	OG Resources	Tetra Tech, Inc.	Analysis Request of Chain of Custody Record
ORIGINAL COPY	Received by: Date: Time:	Received by: Daye: Time:	Received by: Time: Date: Time:	9/10/21 X X	3/0/2 X X	9/10/2	9/13/21 X X	9/10/21 X	X X X	9/16/21 X	X X	9/10/21 X X	TIME WATER SOIL HCL HNO ₃ ICE None	YEAR: 2020	SAMPLING MATRIX PRESERVATIVE METHOD		Sampler Signature: And Tank	Black	Project # 2120 - M - 02365	(MT 9	Site Manager: Sritteny Long	Midand, Texas 78705 Tel (432) 882-4559 Fax (432) 882-3946	
(Circle) HAND DELIVERED FEDEX UPS Tracking #:	Special Report Limits or TRRP Report	Sample Temperature Sample Temperature Same Day (24 hr) 48 hr /2 nr Rush Charges Authorized	ANDARD	X	×2	***	< ×	×	X	×	×)	×	PAH 82 Total M TCLP M TCLP S RCI GC/MS GC/MS PCB's NORM PLM (A Chloride	ED (YOUR SEED (YOUR SEED (YOUR SE	BTII (Ext to (GRO) Ag As I (GRO) Ag As S (GRO) Ag As S (GRO) Ag As S (GRO) Ag As S (GRO) Ag As I (GR	EX 8260 0 C35) - DRO - Ba Cd Cr Ba Cd C s /624 8270C/62	Pb Se I	Hg Hg	ist)	(13/1-1)	ANALYSIS REQUEST (Circle or Specify Method No.)		Page 3 of

Relinquished by:	Relinquished by:	MM	Relinquished by:	24	100	375	22	%	<i>y</i> {	ועל	S.	3/	LAB #	HOLIASTA		Comments:	Receiving Laboratory:	Invoice to:	Project Location: (county, state)	Project Name:	Client Name:	큠	Analysis Requ
		Jaul	OK-NO	COLMO	N-34	SE-M	W-32	SW-31	08-MC	SW-2-a	していると	SICINS	VAMITE	SAMP.			Condinal	6 Resour	ea County	Dear The	206 Re	Tetı	Analysis Request of Chain of Custody Record
Date: Time:	Date: Time:	C.	Date: Time:										SAMPLE DENIFICATION	E DENTIE CATION			Laboredory	es kevi	New Ma	rob Riser	SMIRES	Tetra Tech, Ir	tody Record
Received by:	Received by:	O laura		0/18/01/21	9/10/21	9/10/21	Moha.	9/9/21	9/10/21	0/0/2	9/10/21	Molle	DATE	YEAR: 2020	SAMPLING		Sampler Signature:	n Black	Project #:		Site Manager:	Inc.	
Date	Dáte:	ra d'Ilba Ku	Date	< 5	××	/ ×	×	×	×	×	×	>	WATER SOIL HCL		MATRIX		M Jan		2C- MO-		Brittany 1	Midland, Texas 79705 Tel (432) 682-4559 (432) 682-3946	di TWWWAI Viree
: Time:	: / Time:	19/13/21 7150	Time:		××		×	×	X	*	~;	×	HNO ₃ ICE None # CONTA				S		82363	(12/5/16 IM)	SNO	705 705 9 9 Fax	2 Sie 110
#1/3	Sample Temperature		LAB USE	×	×>		×	×	X	×	×	×	BTEX 80 TPH TX1 TPH 801 PAH 827 Total Met	21B 1005 (5M (70C tals A	BTI (Ext to GRO	C35) - DRO -	ORO -	Hg			ANALYSIS RE		
_	Rush Charges Authorized	STANDARD	REMARKS:										TCLP Vo TCLP Se RCI GC/MS V GC/MS S PCB'S 86 NORM	omi Vo Vol. 8 Semi.	260B Vol.	/ 624	25				REQUEST (Circle or Specify		
Special Report Limits or TRRP Report	6	40		×	×>	\$	>	×	×	×	×		PLM (Asi Chloride Chloride General Anion/Ca	St	ulfate er Che	emistry	see att	ached	list)		Method No.)		Page 4 of
	12111	Į.				+	+				-		Hold									Page 5	Ur

Relinquished by:	Relinquished by:	## 91314 ## 423 ## 427 ## 427 ## 427	Project Location: (county, state) Invoice to: Receiving Laboratory: Comments: Comments: LAB # LAB #	Analysis Requirements Requireme
: Date: Time:	Date: Time: Date: Time:	SW-39 SW-40 SW-40 SW-41 SW-42	Cardinal	Analysis Request of Chain of Custody Record Tetra Tech, Inc. Client Name: FOG Resources Project Name: Nam
Received by: Date: Time:	Received by: Date: Time: Augusta dlabute 9/13/21 Received by: Date: Timle:	9/16/21 9/16/21 9/16/21 9/16/21 X X X X X X X X X X X X X	SIGNATURE WATER SOIL PRESERVATIVE METHOD ICE None	50 Tev Wall Street, Sie 100 Midland,Texas 79705 Tel (432) 682-4559 Fax (432) 682-3946
Special Report Limits or TRRP Report #//3 Special Report Limits or TRRP Report	LAB USE ONLY Sample Temperature		# 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 Semi Volatiles TCLP Semi Volatiles RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance	ANALYSIS REQUEST (Circle or Specify Method No.)



September 14, 2021

BRITTANY LONG
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: HEART THROB RISER SWD

Enclosed are the results of analyses for samples received by the laboratory on 09/13/21 16:07.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Lab Director/Quality Manager



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/13/2021

Reported: 09/14/2021 Sampling Type: Soil

Project Name: HEART THROB RISER SWD Sampling Condition: Cool & Intact Project Number: 212C - MD - 02559 Sample Received By: Tamara Oldaker

Project Location: EOG - LEA CO NM

Sample ID: BH - 14 (1') (H212536-01)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.87	93.4	2.00	3.54	
Toluene*	<0.050	0.050	09/13/2021	ND	2.00	100	2.00	2.77	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	1.98	99.2	2.00	3.56	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	5.99	99.8	6.00	3.74	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/14/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2021	ND	206	103	200	8.71	
DRO >C10-C28*	<10.0	10.0	09/14/2021	ND	198	99.0	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	09/14/2021	ND					
Surrogate: 1-Chlorooctane	101 5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	106	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Kreene



Analytical Results For:

TETRA TECH BRITTANY LONG 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 09/13/2021 Sampling Date: 09/13/2021

Reported: Sampling Type: Soil 09/14/2021

Project Name: **HEART THROB RISER SWD** Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 212C - MD - 02559 Sample Received By:

Applyzod By: MC

Project Location: EOG - LEA CO NM

Sample ID: BH - 15 (1') (H212536-02)

RTFY 8021R

B1EX 8021B	mg/	ку	Allalyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2021	ND	1.87	93.4	2.00	3.54	
Toluene*	<0.050	0.050	09/13/2021	ND	2.00	100	2.00	2.77	
Ethylbenzene*	<0.050	0.050	09/13/2021	ND	1.98	99.2	2.00	3.56	
Total Xylenes*	<0.150	0.150	09/13/2021	ND	5.99	99.8	6.00	3.74	
Total BTEX	<0.300	0.300	09/13/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/14/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2021	ND	206	103	200	8.71	
DRO >C10-C28*	<10.0	10.0	09/14/2021	ND	198	99.0	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	09/14/2021	ND					
Surrogate: 1-Chlorooctane	110 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	116 9	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Celey D. Keene

Γ	Relinquished by: Relinquished by: Relinquished by:	#213536 LAB# (LABUSE)	Project Location: (county, state) Invoice to: Receiving Laboratory: Comments:	Analysis Reque
	Date: Time: Date: Time: Date: Time:	SAMPLE IDENTIFICATION BH-14 (1') BH-15 (1')	eart Throb Rised	Analysis Request of Chain of Custody Record Tetra Tech, Inc. Client Name: 606 Resources Project Name: 106 Resources
ORIGINAL COPY	Received by: Received by: Date: Time: Received by: Date: Time:	# CONTAINERS	MD-07559	901W Wall Street, Sie 100 Midland, Texas 79705 Tel (432) 682-4559 Fax (432) 682-3946
(Circle) HAND DELIVERED FEDEX OF S Hawning	ARKS: STANDA Rush Charges Special Report	TPH TX1005 (Example of the content o	As Ba Cd Cr Pb Se Hg Attiles Titles Titles Total Service Ser	ANALYSIS REQUEST (Circle or Specify Method No.) Page 5 of 5

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

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

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

CONDITIONS

Action 52954

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	52954
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	10/15/2021