Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NDHR1913653465
District RP	IRP-5494
Facility ID	
Application ID	

Closure

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

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

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

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

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

☑ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Todd Wells Title: Environmental Specialist

Signature: Todd Wells Date: 12/19/21

email: Todd_Wells@eogresources.com Telephone: (432) 686-3613

OCD Only

Received by: Chad Hensley Date: 01/13/2022

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

Closure Approved by: Chad Hensley Date: 01/13/2022

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

Report Type: Closure Report NDHR1913653465 / 1RP-5494

General Site Information:						
Site:	**Endurance 25 Federal #2 SWD**					
Company:	**EOG Resources**					
Section, Township and Range	**Unit E**	**Sec 25**	**T 26S**	**R 33E**		
County:	**Lea County**					
GPS:	**32.01519**			**-103.53132**		
Surface Owner:	Federal					
Directions:	From the intersection of Battle Axe Rd and Dinwiddie Rd, travel southeast on Dinwiddie Rd for approximately 2.25 mi, turn south onto lease road and continue for 2.75 mi, turn southeast for an additional 0.15 mi to the location.					

Release Data:	
Date Released:	3/6/2019
Type Release:	Oil & Produced Water
Source of Contamination:	Failed Collar
Fluid Released:	5 bbls oil & 615 bbls water
Fluids Recovered:	5 bbls oil & 610 bbls water

Official Communication:			
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
Phone number:	(432) 258-4346		(432) 682-4559
Fax:			
Email:	Todd_Wells@eogresources.com		Clair.Gonzales@tetratech.com

Site Characterization	
Depth to Groundwater:	*80' below surface*

Recommended Remedial Action Levels (RRALs)				
Benzene	***Total BTEX***	***TPH (GRO+DRO)***	***TPH (GRO+DRO+MRO)***	***Chlorides***
10 mg/kg	*50 mg/kg*	*1,000 mg/kg*	*2,500 mg/kg*	*10,000 mg/kg*

TETRA TECH

December 17, 2021

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

Re: Closure Report for the EOG Resources, Endurance 25 Federal #2 SWD, Unit E, Section 25, Township 26 South, Range 33 East, Lea County, New Mexico. 1RP-5494

Oil Conservation Division:

Tetra Tech, Inc. (Tetra Tech) was contacted by EOG Resources (EOG) to assess a release that occurred at the Endurance 25 Federal #2 SWD, Unit E, Section 25, Township 26 South, Range 32 East, Lea County, New Mexico (Site). The spill site coordinates are 32.015193°, -103.531317°. 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 March 9, 2019 and released approximately 5 barrels of oil and 615 barrels of produced water due to a failed 4" fiberglass collar on the gun barrel tank. The release occurred inside the lined containment and approximately 20 barrels of fluids breached the containment and ran onto the pad area. Approximately 5 barrels of oil and 610 barrels of produced water were recovered. The release impacted an area on the pad measuring approximately 15' x 95'. The initial C-141 Form is included in Appendix A.

Site Characterization

A site characterization was performed for the site and no watercourses, lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances. The site is in a low karst potential area. The nearest well is listed on the USGS National Water Information data base in Section 27, approximately 1.67 miles west of the site and has a reported depth to groundwater of 80' below surface. The groundwater data is shown in Appendix B.

Depth to Water Determination

On September 21, 2021, Scarborough Drilling, Inc was onsite to a drill a groundwater determination borehole to 55' below ground surface and within a ½ mile radius of the location. The borehole was left open for 72 hours and checked for the presence of

Tetra Tech
901 W. Wall Street, Suite 100, Midland, TX 79701
Tel 432.682.4559 www.tetratech.com

TETRA TECH

groundwater. No water was detected in the borehole at 55' below surface. The borehole coordinates are 32.01558, -103.53131. The driller log and borehole figure is shown in Appendix B.

Regulatory

A risk-based evaluation was performed for the Site in accordance with 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 1,000 mg/kg (GRO + DRO) or 2,500 mg/kg (GRO + DRO + MRO). Additionally, based on the site characterization, the proposed RRAL for chlorides is 10,000 mg/kg.

Soil Assessment

2019 Assessment

Tetra Tech personnel were onsite on June 6, 2019, to investigate and sample the release area. A total of three (3) auger holes (AH-1, AH-2, and AH-3) were installed to total depths ranging between 3'-3.5' and 5'-5.5' below surface. The samples were submitted to the laboratory to be analyzed for TPH method 8015 extended, BTEX method 8021B, and Chloride by EPA Method 300.0. The sampling results are summarized in Table 1. The release area and sample locations are shown in Figure 3.

Referring to Table 1, none of the samples collected showed benzene, total BTEX, or TPH concentrations above the RRALs. However, chloride concentrations ranged from 352 mg/kg to 4,130 mg/kg, depths ranging from surface to 4.5' below surface.

2021 Assessment

Tetra Tech personnel were onsite on September 29, 2021, to investigate and resample the release area. A total of three (3) auger holes (AH-1, AH-2, and AH-3) were installed to total depths ranging between surface to 4.5' below surface. Additionally, four (4) horizontal samples (H-1 through H-4) were collected to horizontally delineate the area. The samples were submitted to the laboratory to be analyzed for TPH method 8015 extended, BTEX method 8021B, and Chloride by EPA Method 300.0. The sampling results are summarized in Table 2. The release area and sample locations are shown in Figure 3A.

Referring to Table 2, none of the samples collected showed benzene, total BTEX, or TPH concentrations above the laboratory detection limits. However, there were chloride concentrations reported above RRALs. The chloride concentrations ranged from 655 mg/kg to 2,590 mg/kg, depths ranging from surface to 4.5' below surface.

TETRA TECH

Remediation and Reclamation Activities

Tetra Tech personnel were onsite October 21, 2021 through November 15, 2021, to supervise the remediation and collect confirmation samples. The impacted areas were excavated to a depth of 4.5' below surface, as shown on Figure 4 and Table 3.

Confirmation bottom hole and sidewall samples were collected every 200 square feet, a total of 17 bottom hole samples (BH-1 through BH-17) and 20 sidewall samples (SW-1 through SW-20) were collected to ensure proper removal of the impacted soils. 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 3. 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.

Referring to Table 3, all final confirmation samples collected showed benzene, total BTEX, TPH, and chloride concentrations below the RRALs.

Approximately 654 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

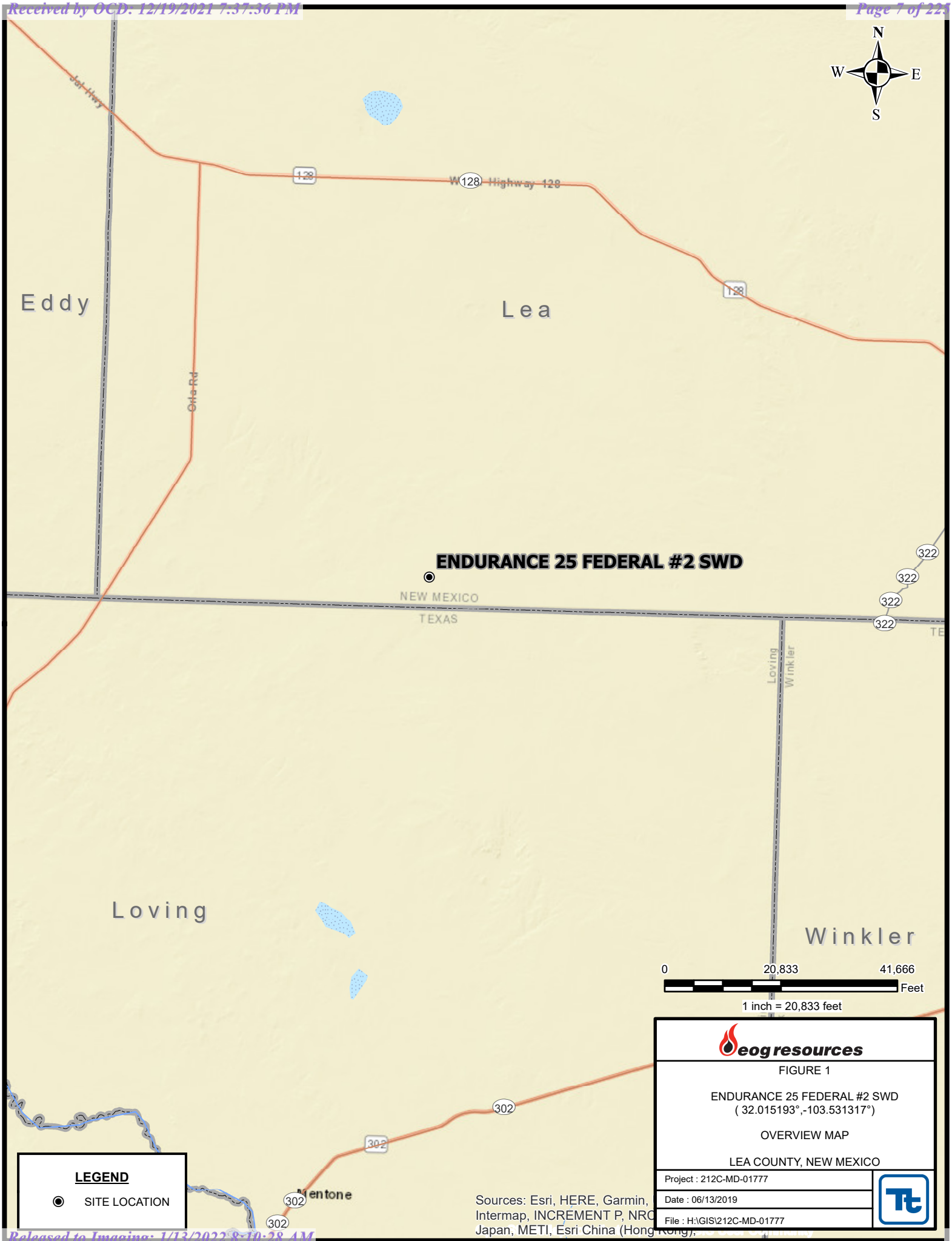
Brittany Long,
Project Manager

Clair Gonzales, P.G.
Senior Project Manager

cc: James Kennedy – EOG
Todd Wells - EOG

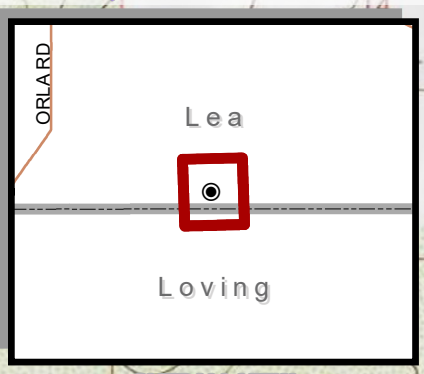
TETRA TECH

Figures



MAPPED BY: MISTI MORGAN

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, © OpenStreetMap contributors, and the GIS User Community



OVERALL VIEW
1 in = 12 miles

N
W
E
S

ENDURANCE 25 FEDERAL #2 SWD

Rattlesnake Flat

PIPELINE

PIPELINE

Drill Hole

Drill Hole

Drill Hole

Drill Hole

Drill Hole

3602 Rattler

White Elephant Tank

LEA CO.

LOVING CO.

R 33 E

R 34 E

0 2,000 4,000 Feet

1 inch = 2,000 feet

LEGEND

SITE LOCATION

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FIGURE 2

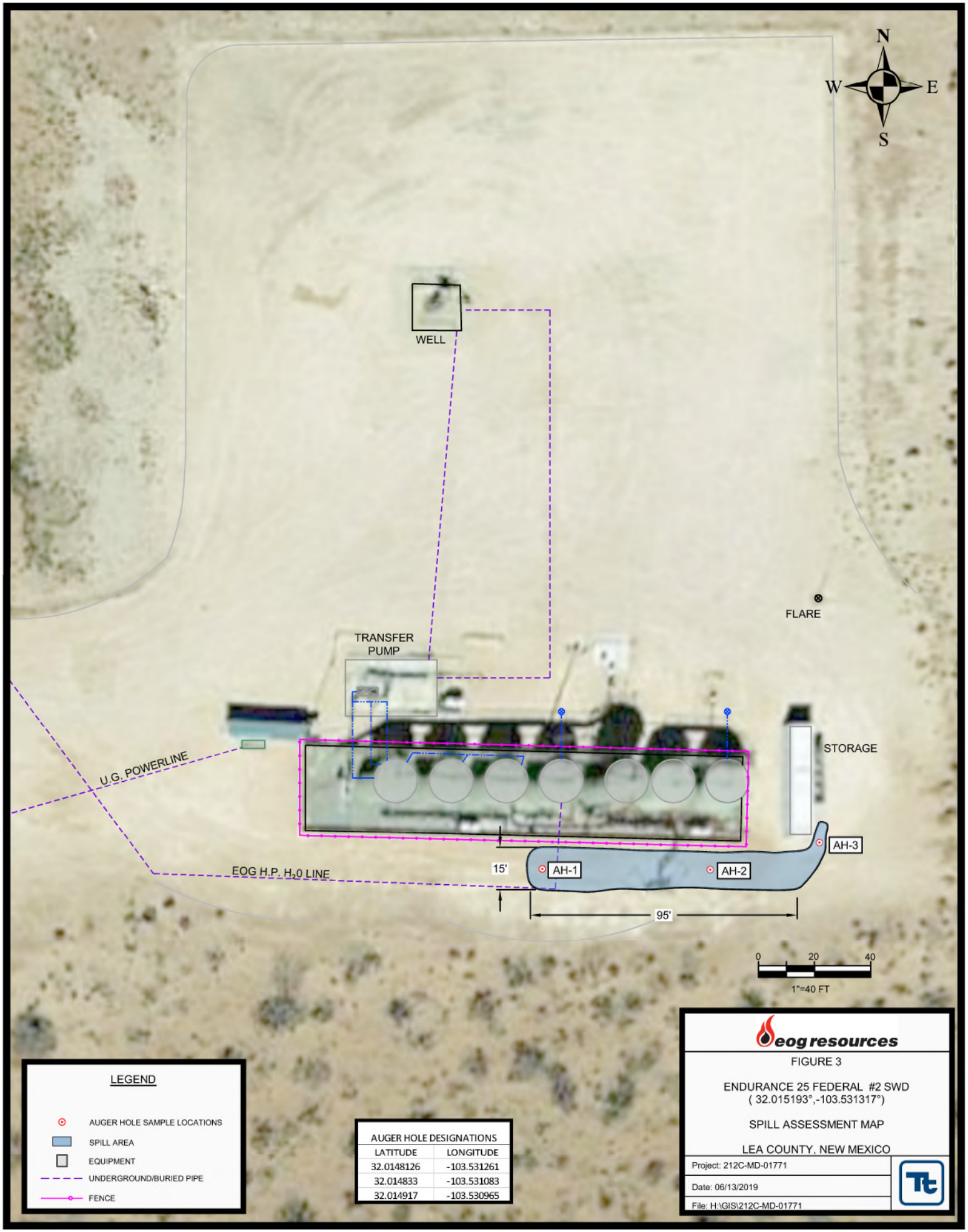
ENDURANCE 25 FEDERAL #2 SWD
(32.015193°,-103.531317°)

TOPOGRAPHIC MAP

LEA COUNTY, NEW MEXICO

Project : 212C-MD-01777	
Date : 06/13/2019	
File : H:\GIS\212C-MD-01777	

MAPPED BY: MISTI MORGAN



LEGEND

- AUGER HOLE SAMPLE LOCATIONS
- SPILL AREA
- EQUIPMENT
- UNDERGROUND/BURIED PIPE
- FENCE

AUGER HOLE DESIGNATIONS	
LATITUDE	LONGITUDE
32.0148126	-103.531261
32.014833	-103.531083
32.014917	-103.530965

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FIGURE 3

ENDURANCE 25 FEDERAL #2 SWD
(32.015193°,-103.531317°)

SPILL ASSESSMENT MAP

LEA COUNTY, NEW MEXICO

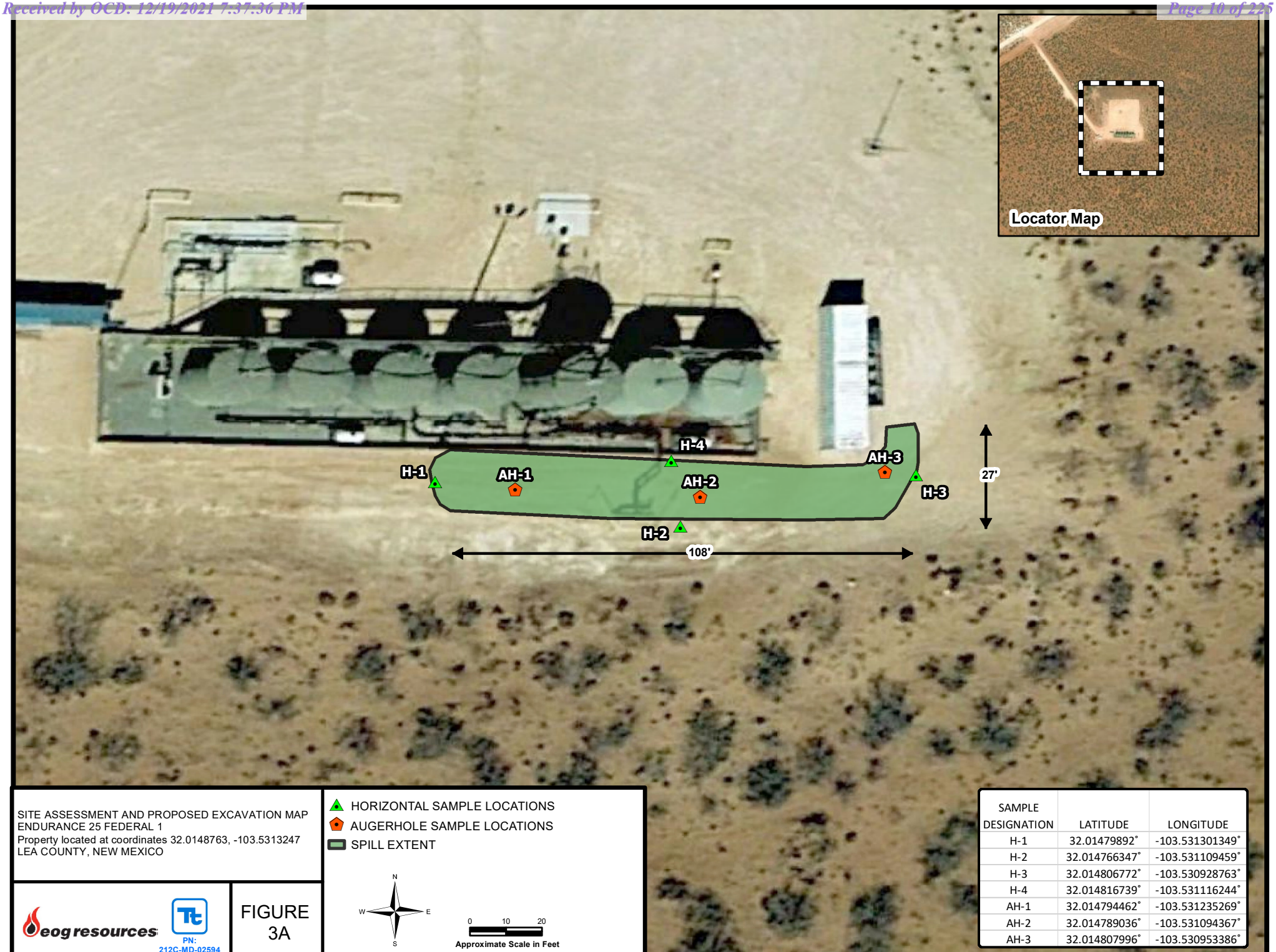
Project: 212C-MD-01771

Date: 06/13/2019

File: H:\GIS\212C-MD-01771

Drawn By: MISTI MORGAN

Drawn By: MISTI MORGAN



SITE ASSESSMENT AND PROPOSED EXCAVATION MAP
ENDURANCE 25 FEDERAL 1
Property located at coordinates 32.0148763, -103.5313247
LEA COUNTY, NEW MEXICO

eog resources

PN: 212C-MD-02594

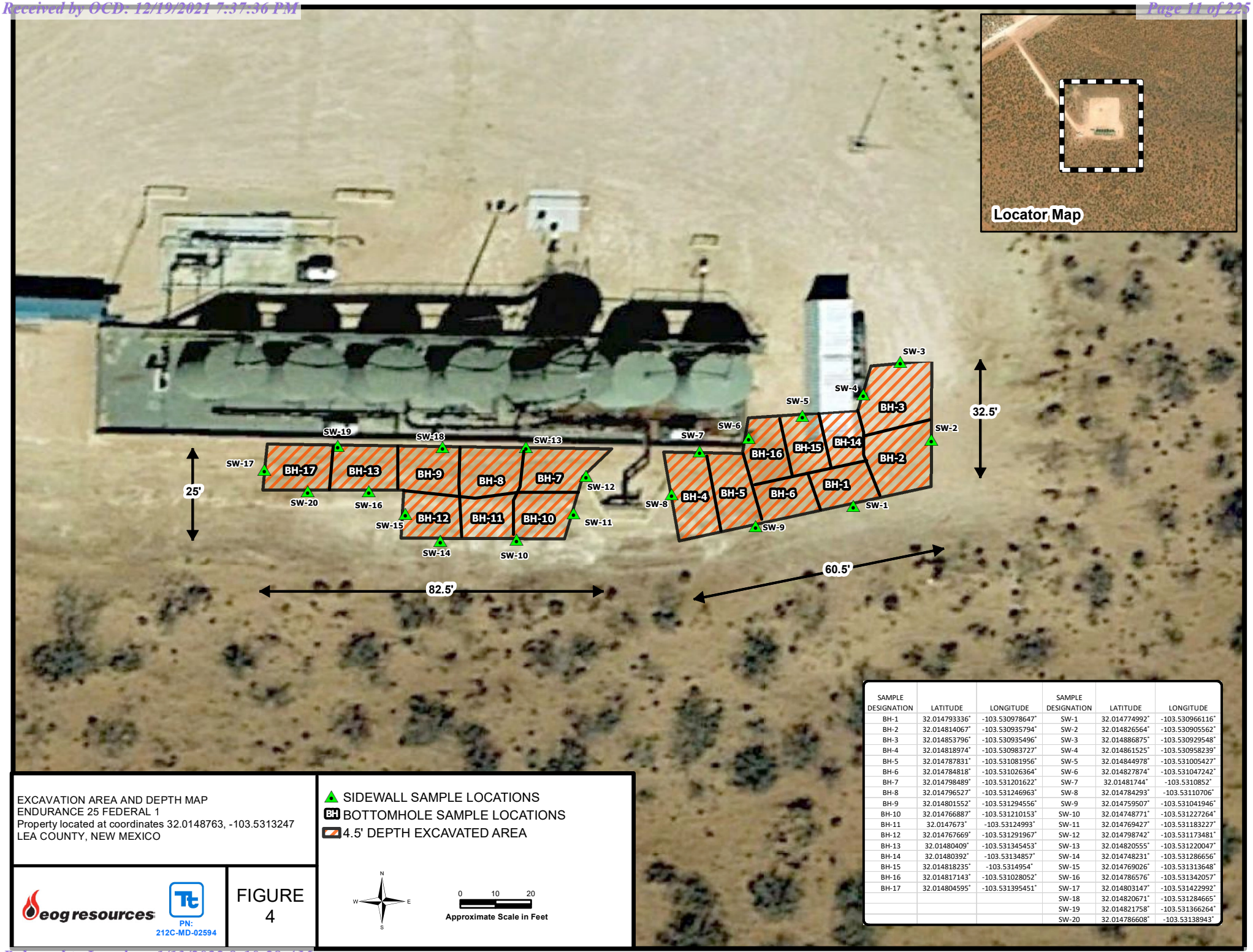
FIGURE 3A

- HORIZONTAL SAMPLE LOCATIONS
- AUGERHOLE SAMPLE LOCATIONS
- SPILL EXTENT

N W E S

0 10 20
Approximate Scale in Feet

SAMPLE DESIGNATION	LATITUDE	LONGITUDE
H-1	32.01479892°	-103.531301349°
H-2	32.014766347°	-103.531109459°
H-3	32.014806772°	-103.530928763°
H-4	32.014816739°	-103.531116244°
AH-1	32.014794462°	-103.531235269°
AH-2	32.014789036°	-103.531094367°
AH-3	32.014807996°	-103.530953386°



SAMPLE DESIGNATION	LATITUDE	LONGITUDE	SAMPLE DESIGNATION	LATITUDE	LONGITUDE
BH-1	32.014793336°	-103.530978647°	SW-1	32.014774992°	-103.530966116°
BH-2	32.014814067°	-103.530935794°	SW-2	32.014826564°	-103.530905562°
BH-3	32.014853796°	-103.530935496°	SW-3	32.014886875°	-103.530929548°
BH-4	32.014818974°	-103.530983727°	SW-4	32.014861525°	-103.530958239°
BH-5	32.014787831°	-103.531081956°	SW-5	32.014844978°	-103.531005427°
BH-6	32.014784818°	-103.531026364°	SW-6	32.014827874°	-103.531047242°
BH-7	32.014798489°	-103.531201622°	SW-7	32.01481744°	-103.5310852°
BH-8	32.014796527°	-103.531246963°	SW-8	32.014784293°	-103.53110706°
BH-9	32.014801552°	-103.531294556°	SW-9	32.014759507°	-103.531041946°
BH-10	32.014766887°	-103.531210153°	SW-10	32.014748771°	-103.531227264°
BH-11	32.0147673°	-103.5312499 3°	SW-11	32.014769427°	-103.531183227°
BH-12	32.014767669°	-103.531291967°	SW-12	32.014798742°	-103.531173481°
BH-13	32.01480409°	-103.531345453°	SW-13	32.014820555°	-103.531220047°
BH-14	32.01480392°	-103.53134857°	SW-14	32.014748231°	-103.531286656°
BH-15	32.014818235°	-103.5314954°	SW-15	32.014769026°	-103.531313648°
BH-16	32.014817143°	-103.531028052°	SW-16	32.014786576°	-103.531342057°
BH-17	32.014804595°	-103.531395451°	SW-17	32.014803147°	-103.531422992°
			SW-18	32.014820671°	-103.531284665°
			SW-19	32.014821758°	-103.531366264°
			SW-20	32.014786608°	-103.53138943°

EXCAVATION AREA AND DEPTH MAP
ENDURANCE 25 FEDERAL 1
Property located at coordinates 32.0148763, -103.5313247
LEA COUNTY, NEW MEXICO

▲ SIDEWALL SAMPLE LOCATIONS
BH BOTTOMHOLE SAMPLE LOCATIONS
4.5' DEPTH EXCAVATED AREA

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PN: 212C-MD-02594

FIGURE 4

N
W
E
S

0 10 20
Approximate Scale in Feet

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Tables

Table 1
EOG
Endurance 25 Fed #2 SWD
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	BEB Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	MRO	Total						
AH-1	6/6/2019	0-1	-	X		<15.0	<15.0	<15.0	<15.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	**2,990**
	"	1-1.5	-	X		<15.0	<15.0	<15.0	<15.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	522
	"	2-2.5	-	X		<15.0	<15.0	<15.0	<15.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**2,840**
	"	3-3.5	-	X		<15.0	<15.0	<15.0	<15.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**4,130**
	"	4-4.5	-	X		<15.0	<15.0	<15.0	<15.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	**3,110**
	"	5-5.5	-	X		<15.0	<15.0	<15.0	<15.0	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	**3,240**
AH-2	6/6/2019	0-1	-	X		<15.0	<15.0	<15.0	<15.0	<0.00201	<0.00201	<0.00201	0.00235	0.00235	**1,680**
	"	1-1.5	-	X		<15.0	<15.0	<15.0	<15.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	196
	"	2-2.5	-	X		<14.9	<14.9	<14.9	<14.9	<0.002002	<0.002002	<0.002002	<0.002002	<0.002002	**956**
	"	3-3.5	-	X		<15.0	18.7	<15.0	18.7	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**1,420**
AH-3	6/6/2019	0-1	-	X		<15.0	<15.0	<15.0	<15.0	<0.002002	<0.002002	<0.002002	<0.002002	<0.002002	132
	"	1-1.5	-	X		<15.0	<15.0	<15.0	<15.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	477
	"	2-2.5	-	X		<15.0	<15.0	<15.0	<15.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	352
	"	3-3.5	-	X		<15.0	<15.0	<15.0	<15.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**1,840**

(-) Not analyzed

Proposed Excavation

Table 2
EOG Resources
Endurance 25 Fed 1
Lea County, New Mexico

Sample ID	Sample Date	Excavtion Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
AH-1	9/29/2021	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	19.1
	9/29/2021	1-1.5	X	-	<49.8	<49.8	<49.8	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**704**
	9/29/2021	2-2.5	X	-	<49.8	<49.8	<49.8	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**937**
	9/29/2021	3-3.5	X	-	<49.9	<49.9	<49.9	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**938**
	9/29/2021	4-4.5	X	-	<49.9	<49.9	<49.9	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**655**
AH-2	9/29/2021	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**1490**
AH-3	9/29/2021	0-1	X	-	<49.9	<49.9	<49.9	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**2590**
	9/29/2021	1-1.5	X	-	<49.8	<49.8	<49.8	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	**1640**
	9/29/2021	2-2.5	X	-	<49.8	<49.8	<49.8	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**1490**
	9/29/2021	3-3.5	X	-	<49.9	<49.9	<49.9	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**1490**
	9/29/2021	4-4.5'	X	-	<49.9	<49.9	<49.9	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	262
H-1	9/29/2021	0-0.5	X	-	<49.8	<49.8	<49.8	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	304
H-2	9/29/2021	0-0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8.50
H-3	9/29/2021	0-0.5	X	-	<49.9	<49.9	<49.9	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	11.5
H-4	9/29/2021	0-0.5	X	-	<49.8	<49.8	<49.8	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	119

(-) Not Analyzed
Exceeds Thresholds

Table 3
EOG Resources
Endurance 25 Fed 1
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
BH-1	10/26/2021	4.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1220
BH-2	10/26/2021	4.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	963
BH-3	10/26/2021	4.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	1160
BH-4	10/26/2021	4.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	2490
BH-5	10/26/2021	4.5	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1040
BH-6	10/26/2021	4.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	1470
BH-7	10/26/2021	4.5	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1770
BH-8	10/26/2021	4.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2200
BH-9	10/26/2021	4.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2320
BH-10	10/26/2021	4.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1490
BH-11	10/26/2021	4.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	305
BH-12	10/26/2021	4.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	200
BH-13	10/26/2021	4.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1620
BH-14	10/26/2021	4.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	963
BH-15	10/26/2021	4.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	1290
BH-16	10/26/2021	4.5	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1170
BH-17	11/15/2021	4.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	279
SW-1	10/26/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	241
SW-2	10/26/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	305
SW-3	10/26/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	14.3
SW-4	10/26/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	15.4
SW-5	10/26/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	339
SW-6	10/26/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	118
SW-7	10/26/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	155
SW-8	10/26/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	194

Table 3
EOG Resources
Endurance 25 Fed 1
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
SW-9	10/26/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	247
SW-10	10/26/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	25.8
SW-11	10/26/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	201
SW-12	10/26/2021	-	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	166
SW-13	10/26/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	178
SW-14	10/26/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	19.5
SW-15	10/26/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	16.6
SW-16	10/26/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**862**
	11/15/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6.77
SW-17	10/26/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**739**
	11/15/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	41.2
SW-18	10/26/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**708**
	11/15/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.00
SW-19	11/15/2021	-	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5.73
SW-20	11/15/2021	-	X	-	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	40.3

(-) Not Analyzed
Remediated

TETRA TECH

Photographic Documentation

EOG Resources
Endurance 25 Federal #2 SWD
Lea County, New Mexico

TETRA TECH

View of Remediation Activities – View Northwest

View of Remediation Activities – View East

EOG Resources
Endurance 25 Federal #2 SWD
Lea County, New Mexico

View of Remediation Activities – View Northwest

View of Remediation Activities – View East

TETRA TECH

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	NDHR1913653465
District RP	1RP-5494
Facility ID	
Application ID	pDHR1913653169

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)* NDHR1913653465
Contact mailing address 5509 Champions Drive Midland, TX 79706	

Location of Release Source

Latitude 32.015193° Longitude -103.531317°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Endurance 25 Fed #2 SWD	Site Type EOG Facility
Date Release Discovered 3/6/19	API# *(if applicable)* 30-025-41067

Unit Letter	Section	Township	Range	County
E	25	26S	33E	Lea

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* Bureau of Land Management, BLM)

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) 5	Volume Recovered (bbls) 5
☒ Produced Water	Volume Released (bbls) 615	Volume Recovered (bbls) 610
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: The 4" fiberglass collar on the gun barrel tank failed causing the release of produced water. Approximately 600 bbls released inside the containment and 20 bbls outside the containment with 615 bbls recovered.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NDHR1913653465
District RP	1RP-5494
Facility ID	
Application ID	pDHR1913653169

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Release volume more than 25 bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? No	

Initial Response

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

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

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

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

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

Printed Name: Todd Wells Title: Environmental Specialist

Signature: Todd Wells Date: 5-1-19

email: Todd_Wells@eogresources.com Telephone: (432) 686-3613

OCD Only

Received by: Dylan Rose-Coss Date: 05/16/2019

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Todd Wells Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: _____ Title: _____

Signature: Todd Wells Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

TETRA TECH

Appendix B

Site Characterization Documents

TETRA TECH

Borehole ID:

Soil Drilling Log

Project Name : EOG Endurance
Project No. :
Location : Eddy County, NM
Coordinates : 32.01558, -103.53131
Elevation : N/A

Date : Tuesday, September 21, 2021
Sampler : John Thurston
Driller : Scarborough
Method : Air Rotary

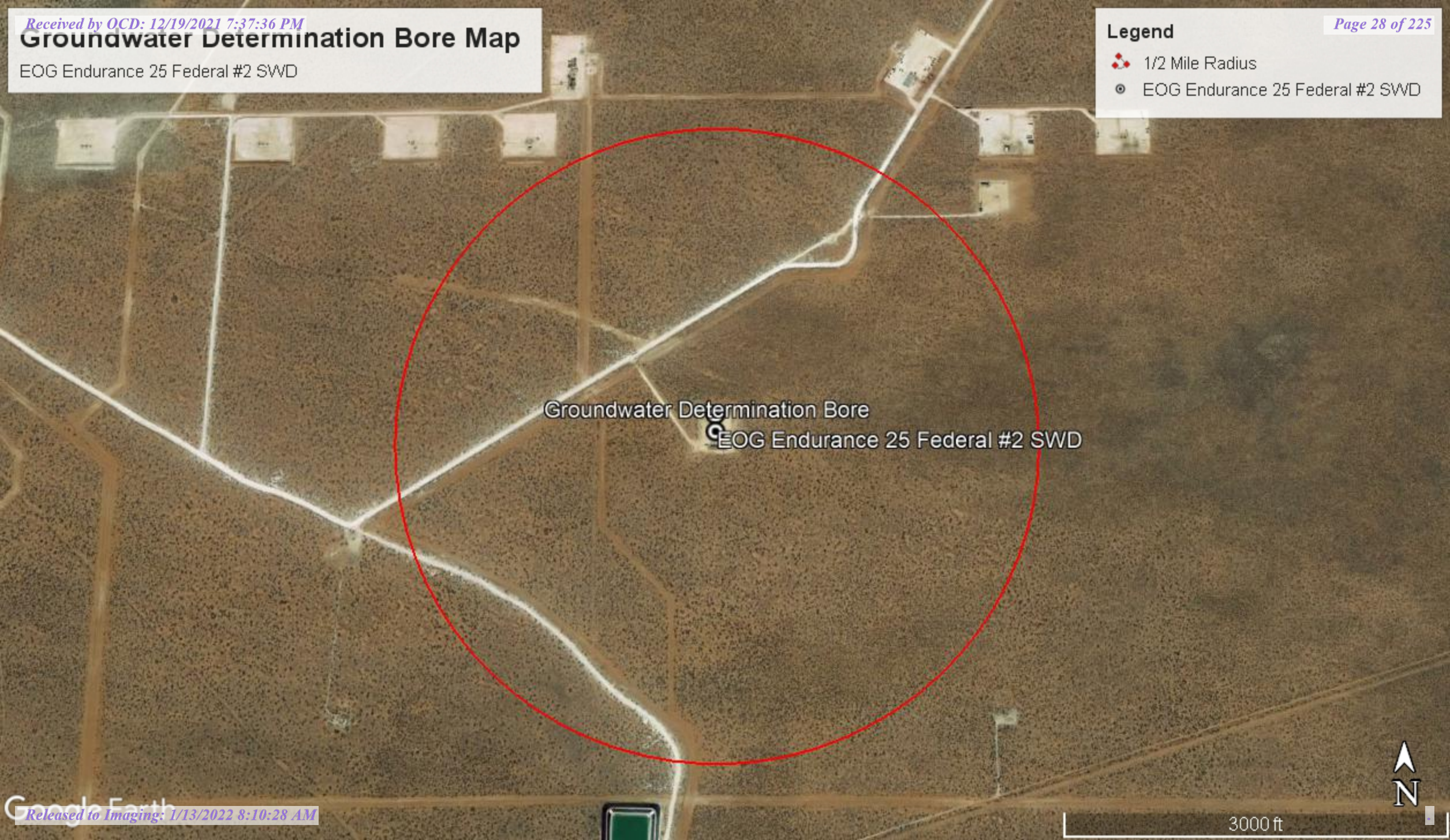
Depth (ft.)	WL	Soil Description	Chloride Field Test (ppm)	Field Titration Test (ppm)
0		drk red clayey sand w/ caliche pebbles	114	N/S N/O
		drk red silty sand dry loose	73	N/S N/O
5		drk red silty sand dry loose	69	N/S N/O
		pink limey dry loose silty sand	208	N/S N/O
10		pink limey dry loose silty sand	226	N/S N/O
15		Dry loose lt red silty sand		
20		lt tn limey sand, occ poorly indurated		
25		lt grey poorly to mod indurated dry s.s.		
30		tn mudstone some gummy		
35		mod indurated lt tan silty s.s.		
40		mod indurated lt tan silty s.s., some claystone		
45		mod to mod well indurated siltstone w/ poorly indurated lt grey s.s.		
50				

Depth (ft.)	WL	Soil Description	Chloride Field Test (ppm)	Field Titration Test (ppm)
50		lt tn poorly indurated s.s., some loose sand		
		Total Depth = 55'		
55		lt grey sand, dry loose TD no water		
60				
65				
70				
75				
80				
85				
90				
95				
100				

* *H.O. = Heavy Odor*
* *L.O. = Low Odor*
* *H.S. = Heavy Staining*
* *L.S. = Low Staining*

Groundwater Determination Bore Map

EOG Endurance 25 Federal #2 SWD



Water Well Data
Average Depth to Groundwater (ft)
EOG - Endurance 25 Fed #2 SWD
Lea County, New Mexico

25 South 32 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32 290	33	34	35	36

25 South 33 East

6	5	4	3 172	2	1
7	8	9	10	11 140	12 200
18	17	16	15	14	13
19	20 200	21 120	22	23	24
30	29	28	27 125	26	25
31 257	32	33	34	35	36

25 South 34 East

6	5	4	3	2	1 260
7	8	9	10	11	12
18	17	16	15 135	14	13
19	20	21	22	23	24 300
30	29 50	28	27	26	25
31	32	33	34	35	36

26 South 32 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21 333 180	22	23	24
30	29	28	27	26	25
31 295	32	33	34	35	36

26 South 33 East

6	5	4	3 180	2	1
7	8	9 106	10 124	11 145	12
18	17	16	15	14 135	13
19	20	21 120	22	23	24
30	29	28	27 125 80	26	25
31	32	33	34	35	36

26 South 34 East

6 130	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

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

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

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

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

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

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 02270	CUB	LE	1	1	2	27	26S	33E	636063	3543722	150	125	25
C 02273	CUB	LE		1	2	21	26S	33E	634549	3545134*	160	120	40
C 02285 POD1	CUB	LE	1	4	4	03	26S	33E	636613	3548855	220	220	0
C 02286	CUB	LE	3	4	4	03	26S	33E	636470	3548714	220	175	45
C 02287	C	LE	3	4	4	03	26S	33E	636427	3548708	220		
C 02288	CUB	LE	4	4	4	03	26S	33E	636646	3548758	220	180	40
C 02289	CUB	LE	4	4	4	03	26S	33E	636612	3548675*	200	160	40
C 02290	CUB	LE	4	4	4	03	26S	33E	636538	3548770	200	160	40
C 02293	CUB	LE	2	2	1	14	26S	33E	637501	3546975	200	135	65
C 02294	CUB	LE	4	4	3	11	26S	33E	637465	3547003	200	145	55
C 02295	CUB	LE	2	2	4	12	26S	33E	639850	3547710*	250	200	50
C 03577 POD1	CUB	LE	3	3	3	22	26S	33E	636010	3543771	750	110	640
C 03596 POD1	C	LE	3	3	4	22	26S	33E	636017	3543756	225		

Average Depth to Water: **157 feet**

Minimum Depth: **110 feet**

Maximum Depth: **220 feet**

Record Count: 13

PLSS Search:

Township: 26S **Range:** 33E

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

National Water Information System: Web Interface

Click to hideNews Bulletins

- Introducing The Next Generation of USGS Water Data for the Nation
- Full News

Groundwater levels for the Nation

Search Results -- 1 sites found

site_no list =

- 320056103333501

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

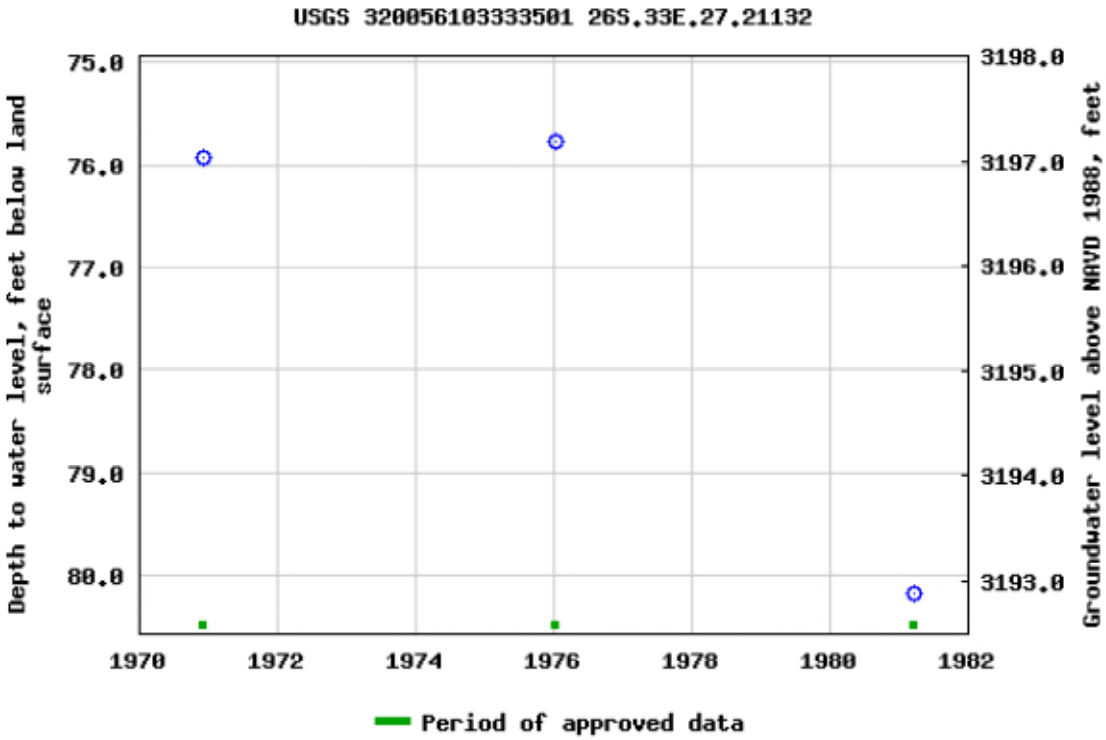
USGS 320056103333501 26S.33E.27.21132

Available data for this site Groundwater: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 13070001
Latitude 32°00'56", Longitude 103°33'35" NAD27
Land-surface elevation 3,273 feet above NAVD88
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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



Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

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Automated retrievals
Help
Data Tips
Explanation of terms
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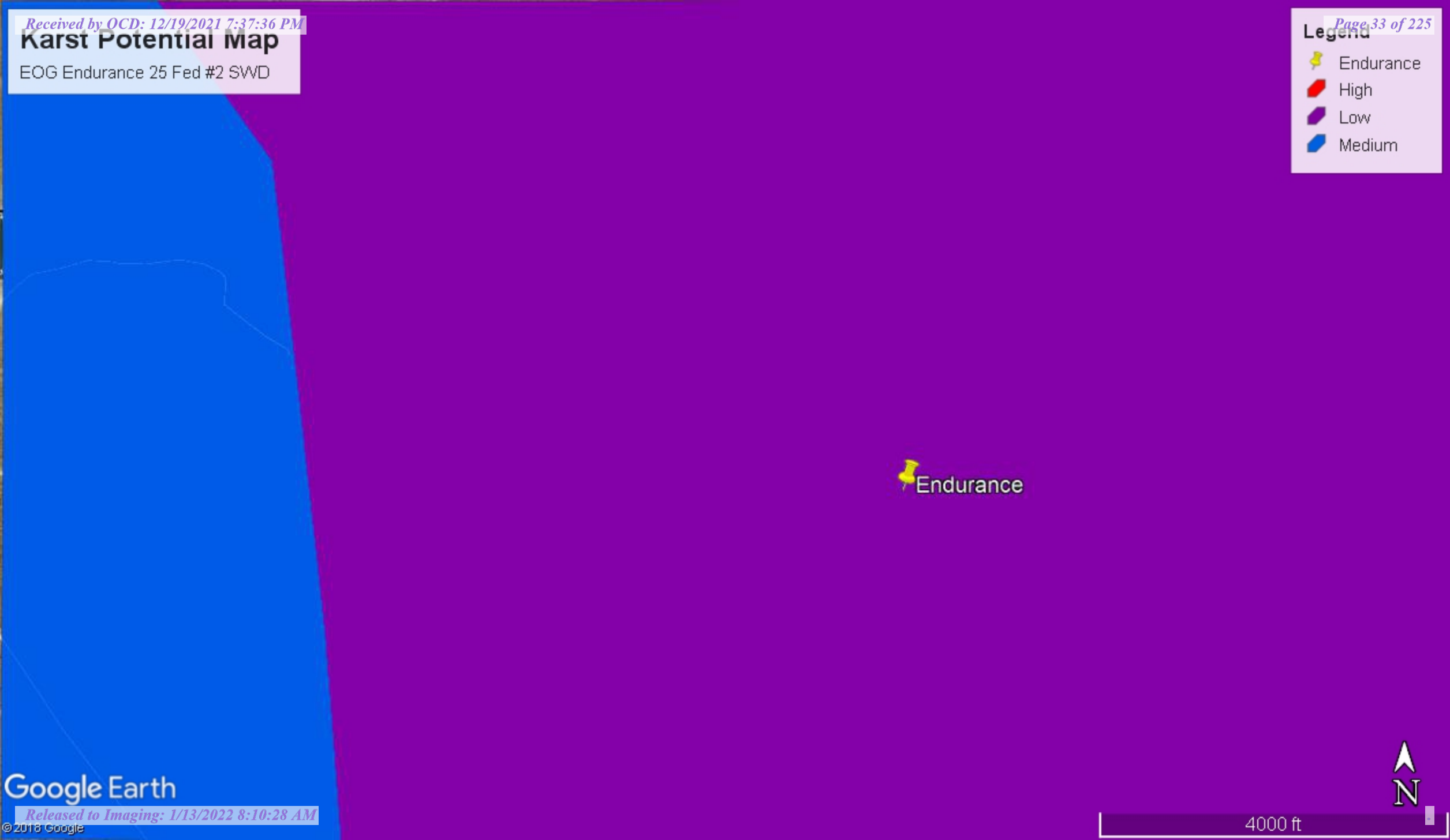
U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

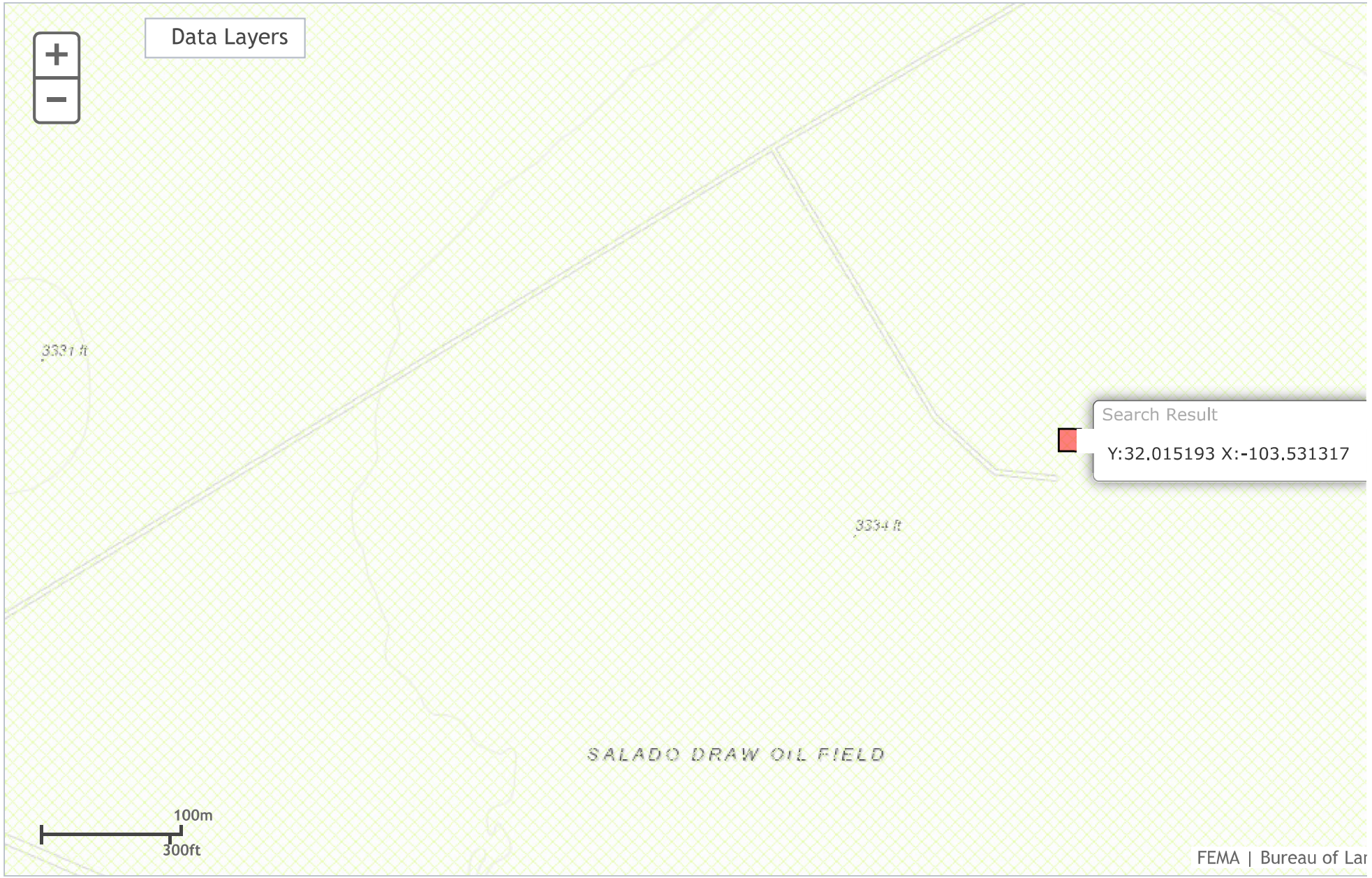
Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2019-06-13 11:48:34 EDT
0.97 0.91 nadww01

Karst Potential Map

EOG Endurance 25 Fed #2 SWD



NFHL Web Mapping Application



TETRA TECH

Appendix C

Laboratory Reports

Certificate of Analysis Summary 626931

Tetra Tech- Midland, Midland, TX

Project Name: EOG Endurance 25 Fed 2 SWD

Project Id: 212C-MD
Contact: Mike Carmona
Project Location: Lea Co, NM

Date Received in Lab: Fri Jun-07-19 10:46 am
Report Date: 12-JUN-19
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	626931-001		626931-002		626931-003		626931-004		626931-005		626931-006	
	Field Id:	AH #1 (0-1')		AH #1 (1-1.5')		AH #1 (2-2.5')		AH #1 (3-3.5')		AH #1 (4-4.5')		AH #1 (5-5.5')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jun-06-19 00:00		Jun-06-19 00:00		Jun-06-19 00:00		Jun-06-19 00:00		Jun-06-19 00:00		Jun-06-19 00:00	
BTEX by EPA 8021B	***Extracted:***	Jun-07-19 16:00		Jun-07-19 16:00		Jun-07-19 16:00		Jun-07-19 16:00		Jun-07-19 16:00		Jun-07-19 16:00	
	Analyzed:	Jun-08-19 07:56		Jun-08-19 09:10		Jun-08-19 09:29		Jun-08-19 09:48		Jun-08-19 22:07		Jun-08-19 22:26	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
Toluene		<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
Ethylbenzene		<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
m,p-Xylenes		<0.00398	0.00398	<0.00402	0.00402	<0.00400	0.00400	<0.00399	0.00399	<0.00402	0.00402	<0.00397	0.00397
o-Xylene		<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
Total Xylenes		<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
Total BTEX		<0.00199	0.00199	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198
Chloride by EPA 300	***Extracted:***	Jun-07-19 15:45		Jun-08-19 14:00		Jun-08-19 14:00		Jun-08-19 14:00		Jun-08-19 14:00		Jun-08-19 14:00	
	Analyzed:	Jun-10-19 10:09		Jun-08-19 17:42		Jun-08-19 17:50		Jun-08-19 17:57		Jun-08-19 18:04		Jun-08-19 18:11	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		2990	25.2	522	5.01	2840	25.0	4130	25.0	3110	25.2	3240	25.0
TPH By SW8015 Mod	***Extracted:***	Jun-07-19 16:00		Jun-07-19 16:00		Jun-07-19 16:00		Jun-07-19 16:00		Jun-07-19 16:00		Jun-07-19 16:00	
	Analyzed:	Jun-08-19 03:44		Jun-08-19 04:44		Jun-08-19 05:04		Jun-08-19 05:24		Jun-08-19 05:44		Jun-08-19 06:04	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Diesel Range Organics (DRO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Motor Oil Range Hydrocarbons (MRO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Total TPH		<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0

Jessica Kramer
Project Assistant

Final 1.000

Certificate of Analysis Summary 626931

Tetra Tech- Midland, Midland, TX

Project Name: EOG Endurance 25 Fed 2 SWD

Project Id: 212C-MD
Contact: Mike Carmona
Project Location: Lea Co, NM

Date Received in Lab: Fri Jun-07-19 10:46 am
Report Date: 12-JUN-19
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	626931-007		626931-008		626931-009		626931-010		626931-011		626931-012	
	Field Id:	AH #2 (0-1')		AH #2 (1-1.5')		AH #2 (2-2.5')		AH #2 (3-3.5')		AH #3 (0-1')		AH #3 (1-1.5')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jun-06-19 00:00		Jun-06-19 00:00		Jun-06-19 00:00		Jun-06-19 00:00		Jun-06-19 00:00		Jun-06-19 00:00	
BTEX by EPA 8021B	***Extracted:***	Jun-07-19 16:00		Jun-07-19 16:00		Jun-07-19 16:00		Jun-11-19 08:30		Jun-11-19 08:30		Jun-11-19 08:30	
	Analyzed:	Jun-08-19 22:46		Jun-08-19 23:05		Jun-08-19 23:24		Jun-11-19 19:04		Jun-11-19 19:24		Jun-11-19 19:44	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199
Toluene		<0.00201	0.00201	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199
Ethylbenzene		<0.00201	0.00201	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199
m,p-Xylenes		<0.00402	0.00402	<0.00398	0.00398	<0.00403	0.00403	<0.00399	0.00399	<0.00403	0.00403	<0.00398	0.00398
o-Xylene		0.00235	0.00201	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199
Total Xylenes		0.00235	0.00201	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199
Total BTEX		0.00235	0.00201	<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00202	0.00202	<0.00199	0.00199
Chloride by EPA 300	***Extracted:***	Jun-08-19 14:00		Jun-08-19 14:00		Jun-08-19 14:00		Jun-08-19 15:00		Jun-08-19 15:00		Jun-08-19 15:00	
	Analyzed:	Jun-08-19 18:36		Jun-08-19 18:44		Jun-08-19 18:59		Jun-10-19 16:58		Jun-10-19 16:43		Jun-10-19 17:12	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		1680	24.8	196	5.01	956	5.04	1420	5.02	132	5.04	477	5.02
TPH By SW8015 Mod	***Extracted:***	Jun-07-19 16:00		Jun-07-19 16:00		Jun-07-19 16:00		Jun-07-19 16:00		Jun-07-19 16:00		Jun-07-19 16:00	
	Analyzed:	Jun-08-19 06:24		Jun-08-19 06:44		Jun-08-19 07:04		Jun-08-19 07:24		Jun-08-19 08:04		Jun-08-19 08:24	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<15.0	15.0	<15.0	15.0	<14.9	14.9	<15.0	15.0	<15.0	15.0	<15.0	15.0
Diesel Range Organics (DRO)		<15.0	15.0	<15.0	15.0	<14.9	14.9	18.7	15.0	<15.0	15.0	<15.0	15.0
Motor Oil Range Hydrocarbons (MRO)		<15.0	15.0	<15.0	15.0	<14.9	14.9	<15.0	15.0	<15.0	15.0	<15.0	15.0
Total TPH		<15.0	15.0	<15.0	15.0	<14.9	14.9	18.7	15.0	<15.0	15.0	<15.0	15.0

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer
Project Assistant

Final 1.000

Certificate of Analysis Summary 626931

Tetra Tech- Midland, Midland, TX

Project Name: EOG Endurance 25 Fed 2 SWD

Project Id: 212C-MD
Contact: Mike Carmona
Project Location: Lea Co, NM

Date Received in Lab: Fri Jun-07-19 10:46 am
Report Date: 12-JUN-19
Project Manager: Jessica Kramer

Analysis Requested									
	Lab Id:	626931-013		626931-014					
	Field Id:	AH #3 (2-2.5')		AH #3 (3-3.5')					
	Depth:								
	Matrix:	SOIL		SOIL					
	Sampled:	Jun-06-19 00:00		Jun-06-19 00:00					
BTEX by EPA 8021B	***Extracted:***	Jun-11-19 08:30		Jun-11-19 08:30					
	Analyzed:	Jun-11-19 20:03		Jun-11-19 20:22					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Benzene		<0.00200	0.00200	<0.00200	0.00200				
Toluene		<0.00200	0.00200	<0.00200	0.00200				
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200				
m,p-Xylenes		<0.00401	0.00401	<0.00400	0.00400				
o-Xylene		<0.00200	0.00200	<0.00200	0.00200				
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200				
Total BTEX		<0.00200	0.00200	<0.00200	0.00200				
Chloride by EPA 300	***Extracted:***	Jun-10-19 16:45		Jun-07-19 15:45					
	Analyzed:	Jun-11-19 01:15		Jun-10-19 12:12					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Chloride		352	4.96	1840	25.3				
TPH By SW8015 Mod	***Extracted:***	Jun-07-19 16:00		Jun-07-19 16:00					
	Analyzed:	Jun-08-19 08:44		Jun-08-19 09:04					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<15.0	15.0	<15.0	15.0				
Diesel Range Organics (DRO)		<15.0	15.0	<15.0	15.0				
Motor Oil Range Hydrocarbons (MRO)		<15.0	15.0	<15.0	15.0				
Total TPH		<15.0	15.0	<15.0	15.0				

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer
Project Assistant

Final 1.000

Analytical Report 626931

for

Tetra Tech- Midland

Project Manager: Mike Carmona

EOG Endurance 25 Fed 2 SWD

212C-MD

12-JUN-19

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-29), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-19-19), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-20)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429), North Carolina (483)

12-JUN-19

Project Manager: **Mike Carmona**
Tetra Tech- Midland
901 West Wall ST
Midland, TX 79701

Reference: XENCO Report No(s): **626931**
EOG Endurance 25 Fed 2 SWD
Project Address: Lea Co, NM

Mike Carmona:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 626931. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 626931 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Assistant

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America

Sample Cross Reference 626931

Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AH #1 (0-1')	S	06-06-19 00:00		626931-001
AH #1 (1-1.5')	S	06-06-19 00:00		626931-002
AH #1 (2-2.5')	S	06-06-19 00:00		626931-003
AH #1 (3-3.5')	S	06-06-19 00:00		626931-004
AH #1 (4-4.5')	S	06-06-19 00:00		626931-005
AH #1 (5-5.5')	S	06-06-19 00:00		626931-006
AH #2 (0-1')	S	06-06-19 00:00		626931-007
AH #2 (1-1.5')	S	06-06-19 00:00		626931-008
AH #2 (2-2.5')	S	06-06-19 00:00		626931-009
AH #2 (3-3.5')	S	06-06-19 00:00		626931-010
AH #3 (0-1')	S	06-06-19 00:00		626931-011
AH #3 (1-1.5')	S	06-06-19 00:00		626931-012
AH #3 (2-2.5')	S	06-06-19 00:00		626931-013
AH #3 (3-3.5')	S	06-06-19 00:00		626931-014

CASE NARRATIVE

Client Name: Tetra Tech- Midland

Project Name: EOG Endurance 25 Fed 2 SWD

Project ID: *212C-MD*
Work Order Number(s): *626931*

Report Date: *12-JUN-19*
Date Received: *06/07/2019*

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3091760 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3091974 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.
Surrogate 4-Bromofluorobenzene recovered below QC limits. Matrix interferences is suspected.
Samples affected are: 626931-010 S.

Certificate of Analytical Results 626931

Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id:	**AH #1 (0-1')**	Matrix:	Soil	Date Received:	06.07.19 10.46
Lab Sample Id:	626931-001	Date Collected:	06.06.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	06.07.19 15.45	Basis:	Wet Weight
Seq Number:	3091714				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2990**	25.2	mg/kg	06.10.19 10.09		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	06.07.19 16.00	Basis:	Wet Weight
Seq Number:	3091700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.08.19 03.44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.08.19 03.44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	06.08.19 03.44	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.08.19 03.44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	06.08.19 03.44	
o-Terphenyl	84-15-1	95	%	70-135	06.08.19 03.44	

Certificate of Analytical Results 626931

Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id:	**AH #1 (0-1')**	Matrix:	Soil	Date Received:	06.07.19 10.46
Lab Sample Id:	626931-001	Date Collected:	06.06.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	SCM			% Moisture:	
Analyst:	SCM	Date Prep:	06.07.19 16.00	Basis:	Wet Weight
Seq Number:	3091760				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	06.08.19 07.56	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	06.08.19 07.56	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	06.08.19 07.56	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	06.08.19 07.56	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	06.08.19 07.56	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	06.08.19 07.56	U	1
Total BTEX		<0.00199	0.00199	mg/kg	06.08.19 07.56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	06.08.19 07.56	
4-Bromofluorobenzene	460-00-4	106	%	70-130	06.08.19 07.56	

Certificate of Analytical Results 626931

Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id:	**AH #1 (1-1.5')**	Matrix:	Soil	Date Received:	06.07.19 10.46
Lab Sample Id:	626931-002	Date Collected:	06.06.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	06.08.19 14.00	Basis:	Wet Weight
Seq Number:	3091691				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**522**	5.01	mg/kg	06.08.19 17.42		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	06.07.19 16.00	Basis:	Wet Weight
Seq Number:	3091700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.08.19 04.44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.08.19 04.44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	06.08.19 04.44	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.08.19 04.44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-135	06.08.19 04.44	
o-Terphenyl	84-15-1	94	%	70-135	06.08.19 04.44	

Certificate of Analytical Results 626931

Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id:	**AH #1 (1-1.5')**	Matrix:	Soil	Date Received:	06.07.19 10.46
Lab Sample Id:	626931-002	Date Collected:	06.06.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	SCM			% Moisture:	
Analyst:	SCM	Date Prep:	06.07.19 16.00	Basis:	Wet Weight
Seq Number:	3091760				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	06.08.19 09.10	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	06.08.19 09.10	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	06.08.19 09.10	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	06.08.19 09.10	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	06.08.19 09.10	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	06.08.19 09.10	U	1
Total BTEX		<0.00201	0.00201	mg/kg	06.08.19 09.10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	70-130	06.08.19 09.10	
1,4-Difluorobenzene	540-36-3	95	%	70-130	06.08.19 09.10	

Certificate of Analytical Results 626931

Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id:	**AH #1 (2-2.5')**	Matrix:	Soil	Date Received:	06.07.19 10.46
Lab Sample Id:	626931-003	Date Collected:	06.06.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	06.08.19 14.00	Basis:	Wet Weight
Seq Number:	3091691				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2840**	25.0	mg/kg	06.08.19 17.50		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	06.07.19 16.00	Basis:	Wet Weight
Seq Number:	3091700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.08.19 05.04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.08.19 05.04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	06.08.19 05.04	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.08.19 05.04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	06.08.19 05.04	
o-Terphenyl	84-15-1	91	%	70-135	06.08.19 05.04	

Certificate of Analytical Results 626931

Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id:	**AH #1 (2-2.5')**	Matrix:	Soil	Date Received:	06.07.19 10.46
Lab Sample Id:	626931-003	Date Collected:	06.06.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	SCM			% Moisture:	
Analyst:	SCM	Date Prep:	06.07.19 16.00	Basis:	Wet Weight
Seq Number:	3091760				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	06.08.19 09.29	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	06.08.19 09.29	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	06.08.19 09.29	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	06.08.19 09.29	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	06.08.19 09.29	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	06.08.19 09.29	U	1
Total BTEX		<0.00200	0.00200	mg/kg	06.08.19 09.29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	70-130	06.08.19 09.29	
1,4-Difluorobenzene	540-36-3	98	%	70-130	06.08.19 09.29	

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Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id:	**AH #1 (3-3.5')**	Matrix:	Soil	Date Received:	06.07.19 10.46
Lab Sample Id:	626931-004	Date Collected:	06.06.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	06.08.19 14.00	Basis:	Wet Weight
Seq Number:	3091691				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4130**	25.0	mg/kg	06.08.19 17.57		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	06.07.19 16.00	Basis:	Wet Weight
Seq Number:	3091700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.08.19 05.24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.08.19 05.24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	06.08.19 05.24	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.08.19 05.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	06.08.19 05.24	
o-Terphenyl	84-15-1	95	%	70-135	06.08.19 05.24	

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Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id:	**AH #1 (3-3.5')**	Matrix:	Soil	Date Received:	06.07.19 10.46
Lab Sample Id:	626931-004	Date Collected:	06.06.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	SCM			% Moisture:	
Analyst:	SCM	Date Prep:	06.07.19 16.00	Basis:	Wet Weight
Seq Number:	3091760				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	06.08.19 09.48	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	06.08.19 09.48	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	06.08.19 09.48	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	06.08.19 09.48	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	06.08.19 09.48	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	06.08.19 09.48	U	1
Total BTEX		<0.00200	0.00200	mg/kg	06.08.19 09.48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	109	%	70-130	06.08.19 09.48	
1,4-Difluorobenzene	540-36-3	102	%	70-130	06.08.19 09.48	

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Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id: **AH #1 (4-4.5')** Matrix: Soil Date Received:06.07.19 10.46

Lab Sample Id: 626931-005 Date Collected: 06.06.19 00.00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: SPC % Moisture:

Analyst: SPC Date Prep: 06.08.19 14.00 Basis: Wet Weight

Seq Number: 3091691

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3110**	25.2	mg/kg	06.08.19 18.04		5

Analytical Method: TPH By SW8015 Mod Prep Method: TX1005P

Tech: ARM % Moisture:

Analyst: ARM Date Prep: 06.07.19 16.00 Basis: Wet Weight

Seq Number: 3091700

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.08.19 05.44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.08.19 05.44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	06.08.19 05.44	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.08.19 05.44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-135	06.08.19 05.44	
o-Terphenyl	84-15-1	92	%	70-135	06.08.19 05.44	

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Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id:	**AH #1 (4-4.5')**	Matrix:	Soil	Date Received:	06.07.19 10.46
Lab Sample Id:	626931-005	Date Collected:	06.06.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	SCM			% Moisture:	
Analyst:	SCM	Date Prep:	06.07.19 16.00	Basis:	Wet Weight
Seq Number:	3091760				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	06.08.19 22.07	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	06.08.19 22.07	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	06.08.19 22.07	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	06.08.19 22.07	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	06.08.19 22.07	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	06.08.19 22.07	U	1
Total BTEX		<0.00201	0.00201	mg/kg	06.08.19 22.07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	06.08.19 22.07	
4-Bromofluorobenzene	460-00-4	100	%	70-130	06.08.19 22.07	

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Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id:	**AH #1 (5-5.5')**	Matrix:	Soil	Date Received:	06.07.19 10.46
Lab Sample Id:	626931-006	Date Collected:	06.06.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	06.08.19 14.00	Basis:	Wet Weight
Seq Number:	3091691				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3240**	25.0	mg/kg	06.08.19 18.11		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	06.07.19 16.00	Basis:	Wet Weight
Seq Number:	3091700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.08.19 06.04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.08.19 06.04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	06.08.19 06.04	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.08.19 06.04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	06.08.19 06.04	
o-Terphenyl	84-15-1	91	%	70-135	06.08.19 06.04	

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Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id:	**AH #1 (5-5.5')**	Matrix:	Soil	Date Received:	06.07.19 10.46
Lab Sample Id:	626931-006	Date Collected:	06.06.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	SCM			% Moisture:	
Analyst:	SCM	Date Prep:	06.07.19 16.00	Basis:	Wet Weight
Seq Number:	3091760				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	06.08.19 22.26	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	06.08.19 22.26	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	06.08.19 22.26	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	06.08.19 22.26	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	06.08.19 22.26	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	06.08.19 22.26	U	1
Total BTEX		<0.00198	0.00198	mg/kg	06.08.19 22.26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	104	%	70-130	06.08.19 22.26	
1,4-Difluorobenzene	540-36-3	101	%	70-130	06.08.19 22.26	

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Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id:	**AH #2 (0-1')**	Matrix:	Soil	Date Received:	06.07.19 10.46
Lab Sample Id:	626931-007	Date Collected:	06.06.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	06.08.19 14.00	Basis:	Wet Weight
Seq Number:	3091691				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1680**	24.8	mg/kg	06.08.19 18.36		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	06.07.19 16.00	Basis:	Wet Weight
Seq Number:	3091700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.08.19 06.24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.08.19 06.24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	06.08.19 06.24	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.08.19 06.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-135	06.08.19 06.24	
o-Terphenyl	84-15-1	94	%	70-135	06.08.19 06.24	

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Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id:	**AH #2 (0-1')**	Matrix:	Soil	Date Received:	06.07.19 10.46
Lab Sample Id:	626931-007	Date Collected:	06.06.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	SCM			% Moisture:	
Analyst:	SCM	Date Prep:	06.07.19 16.00	Basis:	Wet Weight
Seq Number:	3091760				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	06.08.19 22.46	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	06.08.19 22.46	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	06.08.19 22.46	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	06.08.19 22.46	U	1
o-Xylene	95-47-6	**0.00235**	0.00201	mg/kg	06.08.19 22.46		1
Total Xylenes	1330-20-7	**0.00235**	0.00201	mg/kg	06.08.19 22.46		1
Total BTEX		**0.00235**	0.00201	mg/kg	06.08.19 22.46		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	78	%	70-130	06.08.19 22.46	
1,4-Difluorobenzene	540-36-3	98	%	70-130	06.08.19 22.46	

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Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id:	**AH #2 (1-1.5')**	Matrix:	Soil	Date Received:	06.07.19 10.46
Lab Sample Id:	626931-008	Date Collected:	06.06.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	06.08.19 14.00	Basis:	Wet Weight
Seq Number:	3091691				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**196**	5.01	mg/kg	06.08.19 18.44		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	06.07.19 16.00	Basis:	Wet Weight
Seq Number:	3091700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.08.19 06.44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.08.19 06.44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	06.08.19 06.44	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.08.19 06.44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-135	06.08.19 06.44	
o-Terphenyl	84-15-1	93	%	70-135	06.08.19 06.44	

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Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id:	**AH #2 (1-1.5')**	Matrix:	Soil	Date Received:	06.07.19 10.46
Lab Sample Id:	626931-008	Date Collected:	06.06.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	SCM			% Moisture:	
Analyst:	SCM	Date Prep:	06.07.19 16.00	Basis:	Wet Weight
Seq Number:	3091760				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	06.08.19 23.05	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	06.08.19 23.05	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	06.08.19 23.05	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	06.08.19 23.05	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	06.08.19 23.05	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	06.08.19 23.05	U	1
Total BTEX		<0.00199	0.00199	mg/kg	06.08.19 23.05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	06.08.19 23.05	
4-Bromofluorobenzene	460-00-4	104	%	70-130	06.08.19 23.05	

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Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id:	**AH #2 (2-2.5')**	Matrix:	Soil	Date Received:	06.07.19 10.46
Lab Sample Id:	626931-009	Date Collected:	06.06.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	06.08.19 14.00	Basis:	Wet Weight
Seq Number:	3091691				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**956**	5.04	mg/kg	06.08.19 18.59		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	06.07.19 16.00	Basis:	Wet Weight
Seq Number:	3091700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	06.08.19 07.04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	06.08.19 07.04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<14.9	14.9	mg/kg	06.08.19 07.04	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	06.08.19 07.04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	06.08.19 07.04	
o-Terphenyl	84-15-1	95	%	70-135	06.08.19 07.04	

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Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id:	**AH #2 (2-2.5')**	Matrix:	Soil	Date Received:	06.07.19 10.46
Lab Sample Id:	626931-009	Date Collected:	06.06.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	SCM			% Moisture:	
Analyst:	SCM	Date Prep:	06.07.19 16.00	Basis:	Wet Weight
Seq Number:	3091760				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	06.08.19 23.24	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	06.08.19 23.24	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	06.08.19 23.24	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	06.08.19 23.24	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	06.08.19 23.24	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	06.08.19 23.24	U	1
Total BTEX		<0.00202	0.00202	mg/kg	06.08.19 23.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	104	%	70-130	06.08.19 23.24	
1,4-Difluorobenzene	540-36-3	101	%	70-130	06.08.19 23.24	

Certificate of Analytical Results 626931

Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id:	**AH #2 (3-3.5')**	Matrix:	Soil	Date Received:	06.07.19 10.46
Lab Sample Id:	626931-010	Date Collected:	06.06.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	06.08.19 15.00	Basis:	Wet Weight
Seq Number:	3091807				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1420**	5.02	mg/kg	06.10.19 16.58		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	06.07.19 16.00	Basis:	Wet Weight
Seq Number:	3091700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.08.19 07.24	U	1
Diesel Range Organics (DRO)	C10C28DRO	**18.7**	15.0	mg/kg	06.08.19 07.24		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	06.08.19 07.24	U	1
Total TPH	PHC635	**18.7**	15.0	mg/kg	06.08.19 07.24		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	06.08.19 07.24	
o-Terphenyl	84-15-1	95	%	70-135	06.08.19 07.24	

Certificate of Analytical Results 626931

Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id:	**AH #2 (3-3.5')**	Matrix:	Soil	Date Received:	06.07.19 10.46
Lab Sample Id:	626931-010	Date Collected:	06.06.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	DVM			% Moisture:	
Analyst:	DVM	Date Prep:	06.11.19 08.30	Basis:	Wet Weight
Seq Number:	3091974				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	06.11.19 19.04	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	06.11.19 19.04	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	06.11.19 19.04	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	06.11.19 19.04	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	06.11.19 19.04	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	06.11.19 19.04	U	1
Total BTEX		<0.00200	0.00200	mg/kg	06.11.19 19.04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	99	%	70-130	06.11.19 19.04	
1,4-Difluorobenzene	540-36-3	95	%	70-130	06.11.19 19.04	

Certificate of Analytical Results 626931

Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id:	**AH #3 (0-1')**	Matrix:	Soil	Date Received:	06.07.19 10.46
Lab Sample Id:	626931-011	Date Collected:	06.06.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	06.08.19 15.00	Basis:	Wet Weight
Seq Number:	3091807				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**132**	5.04	mg/kg	06.10.19 16.43		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	06.07.19 16.00	Basis:	Wet Weight
Seq Number:	3091700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.08.19 08.04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.08.19 08.04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	06.08.19 08.04	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.08.19 08.04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	06.08.19 08.04	
o-Terphenyl	84-15-1	94	%	70-135	06.08.19 08.04	

Certificate of Analytical Results 626931

Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id:	**AH #3 (0-1')**	Matrix:	Soil	Date Received:	06.07.19 10.46
Lab Sample Id:	626931-011	Date Collected:	06.06.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	DVM			% Moisture:	
Analyst:	DVM	Date Prep:	06.11.19 08.30	Basis:	Wet Weight
Seq Number:	3091974				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	06.11.19 19.24	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	06.11.19 19.24	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	06.11.19 19.24	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	06.11.19 19.24	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	06.11.19 19.24	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	06.11.19 19.24	U	1
Total BTEX		<0.00202	0.00202	mg/kg	06.11.19 19.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	82	%	70-130	06.11.19 19.24	
1,4-Difluorobenzene	540-36-3	97	%	70-130	06.11.19 19.24	

Certificate of Analytical Results 626931

Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id:	**AH #3 (1-1.5')**	Matrix:	Soil	Date Received:	06.07.19 10.46
Lab Sample Id:	626931-012	Date Collected:	06.06.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	06.08.19 15.00	Basis:	Wet Weight
Seq Number:	3091807				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**477**	5.02	mg/kg	06.10.19 17.12		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	06.07.19 16.00	Basis:	Wet Weight
Seq Number:	3091700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.08.19 08.24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.08.19 08.24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	06.08.19 08.24	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.08.19 08.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	06.08.19 08.24	
o-Terphenyl	84-15-1	95	%	70-135	06.08.19 08.24	

Certificate of Analytical Results 626931

Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id:	**AH #3 (1-1.5')**	Matrix:	Soil	Date Received:	06.07.19 10.46
Lab Sample Id:	626931-012	Date Collected:	06.06.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	DVM			% Moisture:	
Analyst:	DVM	Date Prep:	06.11.19 08.30	Basis:	Wet Weight
Seq Number:	3091974				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	06.11.19 19.44	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	06.11.19 19.44	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	06.11.19 19.44	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	06.11.19 19.44	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	06.11.19 19.44	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	06.11.19 19.44	U	1
Total BTEX		<0.00199	0.00199	mg/kg	06.11.19 19.44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	87	%	70-130	06.11.19 19.44	
1,4-Difluorobenzene	540-36-3	99	%	70-130	06.11.19 19.44	

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Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id:	**AH #3 (2-2.5')**	Matrix:	Soil	Date Received:	06.07.19 10.46
Lab Sample Id:	626931-013	Date Collected:	06.06.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	06.10.19 16.45	Basis:	Wet Weight
Seq Number:	3091810				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**352**	4.96	mg/kg	06.11.19 01.15		1

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	06.07.19 16.00	Basis:	Wet Weight
Seq Number:	3091700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.08.19 08.44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.08.19 08.44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	06.08.19 08.44	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.08.19 08.44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-135	06.08.19 08.44	
o-Terphenyl	84-15-1	93	%	70-135	06.08.19 08.44	

Certificate of Analytical Results 626931

Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id:	**AH #3 (2-2.5')**	Matrix:	Soil	Date Received:	06.07.19 10.46
Lab Sample Id:	626931-013	Date Collected:	06.06.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	DVM			% Moisture:	
Analyst:	DVM	Date Prep:	06.11.19 08.30	Basis:	Wet Weight
Seq Number:	3091974				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	06.11.19 20.03	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	06.11.19 20.03	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	06.11.19 20.03	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	06.11.19 20.03	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	06.11.19 20.03	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	06.11.19 20.03	U	1
Total BTEX		<0.00200	0.00200	mg/kg	06.11.19 20.03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	06.11.19 20.03	
1,4-Difluorobenzene	540-36-3	100	%	70-130	06.11.19 20.03	

Certificate of Analytical Results 626931

Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id:	**AH #3 (3-3.5')**	Matrix:	Soil	Date Received:	06.07.19 10.46
Lab Sample Id:	626931-014	Date Collected:	06.06.19 00.00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	06.07.19 15.45	Basis:	Wet Weight
Seq Number:	3091714				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1840**	25.3	mg/kg	06.10.19 12.12		5

Analytical Method:	TPH By SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	06.07.19 16.00	Basis:	Wet Weight
Seq Number:	3091700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.08.19 09.04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.08.19 09.04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	06.08.19 09.04	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.08.19 09.04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	06.08.19 09.04	
o-Terphenyl	84-15-1	92	%	70-135	06.08.19 09.04	

Certificate of Analytical Results 626931

Tetra Tech- Midland, Midland, TX

EOG Endurance 25 Fed 2 SWD

Sample Id:	**AH #3 (3-3.5')**	Matrix:	Soil	Date Received:	06.07.19 10.46
Lab Sample Id:	626931-014	Date Collected:	06.06.19 00.00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	DVM			% Moisture:	
Analyst:	DVM	Date Prep:	06.11.19 08.30	Basis:	Wet Weight
Seq Number:	3091974				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	06.11.19 20.22	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	06.11.19 20.22	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	06.11.19 20.22	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	06.11.19 20.22	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	06.11.19 20.22	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	06.11.19 20.22	U	1
Total BTEX		<0.00200	0.00200	mg/kg	06.11.19 20.22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	06.11.19 20.22	
4-Bromofluorobenzene	460-00-4	87	%	70-130	06.11.19 20.22	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 626931

Tetra Tech- Midland

EOG Endurance 25 Fed 2 SWD

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3091714 — Matrix: Solid — Date Prep: 06.07.19
MB Sample Id: 7679459-1-BLK — LCS Sample Id: 7679459-1-BKS — LCSD Sample Id: 7679459-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	238	95	238	95	90-110	0	20	mg/kg	06.10.19 08:49	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3091691 — Matrix: Solid — Date Prep: 06.08.19
MB Sample Id: 7679534-1-BLK — LCS Sample Id: 7679534-1-BKS — LCSD Sample Id: 7679534-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	245	98	246	98	90-110	0	20	mg/kg	06.08.19 15:03	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3091807 — Matrix: Solid — Date Prep: 06.08.19
MB Sample Id: 7679536-1-BLK — LCS Sample Id: 7679536-1-BKS — LCSD Sample Id: 7679536-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	250	100	251	100	90-110	0	20	mg/kg	06.10.19 16:29	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3091810 — Matrix: Solid — Date Prep: 06.10.19
MB Sample Id: 7679605-1-BLK — LCS Sample Id: 7679605-1-BKS — LCSD Sample Id: 7679605-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	241	96	241	96	90-110	0	20	mg/kg	06.10.19 18:03	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3091714 — Matrix: Soil — Date Prep: 06.07.19
Parent Sample Id: 626930-025 — MS Sample Id: 626930-025 S — MSD Sample Id: 626930-025 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1.53	250	244	97	244	97	90-110	0	20	mg/kg	06.10.19 11:00	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 626931

Tetra Tech- Midland

EOG Endurance 25 Fed 2 SWD

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3091714 — Matrix: Soil — Date Prep: 06.07.19
Parent Sample Id: 626984-001 — MS Sample Id: 626984-001 S — MSD Sample Id: 626984-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	17.1	250	266	100	267	100	90-110	0	20	mg/kg	06.10.19 09:11	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3091691 — Matrix: Soil — Date Prep: 06.08.19
Parent Sample Id: 626932-003 — MS Sample Id: 626932-003 S — MSD Sample Id: 626932-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	245	250	482	95	483	95	90-110	0	20	mg/kg	06.08.19 15:25	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3091691 — Matrix: Soil — Date Prep: 06.08.19
Parent Sample Id: 626962-002 — MS Sample Id: 626962-002 S — MSD Sample Id: 626962-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	184	251	416	92	418	93	90-110	0	20	mg/kg	06.08.19 17:06	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3091807 — Matrix: Soil — Date Prep: 06.08.19
Parent Sample Id: 626930-017 — MS Sample Id: 626930-017 S — MSD Sample Id: 626930-017 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<4.98	249	253	102	250	100	90-110	1	20	mg/kg	06.10.19 17:56	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3091807 — Matrix: Soil — Date Prep: 06.08.19
Parent Sample Id: 626931-011 — MS Sample Id: 626931-011 S — MSD Sample Id: 626931-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	132	252	381	99	380	98	90-110	0	20	mg/kg	06.10.19 16:48	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Final 1.000

QC Summary 626931

Tetra Tech- Midland

EOG Endurance 25 Fed 2 SWD

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3091810 — Matrix: Soil — Date Prep: 06.10.19
Parent Sample Id: 627045-001 — MS Sample Id: 627045-001 S — MSD Sample Id: 627045-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	3.41	248	241	96	242	96	90-110	0	20	mg/kg	06.10.19 18:25	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3091810 — Matrix: Soil — Date Prep: 06.10.19
Parent Sample Id: 627046-004 — MS Sample Id: 627046-004 S — MSD Sample Id: 627046-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	268	249	497	92	496	92	90-110	0	20	mg/kg	06.11.19 00:18	

Analytical Method: TPH By SW8015 Mod — Prep Method: TX1005P
Seq Number: 3091700 — Matrix: Solid — Date Prep: 06.07.19
MB Sample Id: 7679502-1-BLK — LCS Sample Id: 7679502-1-BKS — LCSD Sample Id: 7679502-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<8.00	1000	1190	119	1190	119	70-135	0	20	mg/kg	06.08.19 03:04	
Diesel Range Organics (DRO)	<8.13	1000	1160	116	1160	116	70-135	0	20	mg/kg	06.08.19 03:04	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	84		128		129		70-135	%	06.08.19 03:04
o-Terphenyl	83		121		124		70-135	%	06.08.19 03:04

Analytical Method: TPH By SW8015 Mod — Prep Method: TX1005P
Seq Number: 3091700 — Matrix: Soil — Date Prep: 06.07.19
Parent Sample Id: 626931-001 — MS Sample Id: 626931-001 S — MSD Sample Id: 626931-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<7.98	997	1090	109	1100	110	70-135	1	20	mg/kg	06.08.19 04:04	
Diesel Range Organics (DRO)	<8.10	997	1020	102	1040	104	70-135	2	20	mg/kg	06.08.19 04:04	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	122		125		70-135	%	06.08.19 04:04
o-Terphenyl	103		103		70-135	%	06.08.19 04:04

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 626931

Tetra Tech- Midland

EOG Endurance 25 Fed 2 SWD

Analytical Method: BTEX by EPA 8021B | Prep Method: SW5030B
Seq Number: 3091760 | Matrix: Solid | Date Prep: 06.07.19
MB Sample Id: 7679576-1-BLK | LCS Sample Id: 7679576-1-BKS | LCSD Sample Id: 7679576-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000383	0.0994	0.0943	95	0.0850	85	70-130	10	35	mg/kg	06.08.19 03:13	
Toluene	<0.000453	0.0994	0.0919	92	0.0836	84	70-130	9	35	mg/kg	06.08.19 03:13	
Ethylbenzene	<0.000561	0.0994	0.100	101	0.0914	91	70-130	9	35	mg/kg	06.08.19 03:13	
m,p-Xylenes	<0.00101	0.199	0.203	102	0.184	92	70-130	10	35	mg/kg	06.08.19 03:13	
o-Xylene	<0.000342	0.0994	0.0998	100	0.0918	92	70-130	8	35	mg/kg	06.08.19 03:13	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	88		98		103		70-130	%	06.08.19 03:13
4-Bromofluorobenzene	86		99		91		70-130	%	06.08.19 03:13

Analytical Method: BTEX by EPA 8021B | Prep Method: SW5030B
Seq Number: 3091974 | Matrix: Solid | Date Prep: 06.11.19
MB Sample Id: 7679699-1-BLK | LCS Sample Id: 7679699-1-BKS | LCSD Sample Id: 7679699-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0956	96	0.103	102	70-130	7	35	mg/kg	06.11.19 17:05	
Toluene	<0.00200	0.100	0.0910	91	0.0967	96	70-130	6	35	mg/kg	06.11.19 17:05	
Ethylbenzene	<0.00200	0.100	0.0991	99	0.104	103	70-130	5	35	mg/kg	06.11.19 17:05	
m,p-Xylenes	<0.00400	0.200	0.204	102	0.216	107	70-130	6	35	mg/kg	06.11.19 17:05	
o-Xylene	<0.00200	0.100	0.102	102	0.108	107	70-130	6	35	mg/kg	06.11.19 17:05	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	88		103		103		70-130	%	06.11.19 17:05
4-Bromofluorobenzene	76		107		96		70-130	%	06.11.19 17:05

Analytical Method: BTEX by EPA 8021B | Prep Method: SW5030B
Seq Number: 3091760 | Matrix: Soil | Date Prep: 06.07.19
Parent Sample Id: 626930-001 | MS Sample Id: 626930-001 S | MSD Sample Id: 626930-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000383	0.0996	0.0826	83	0.0855	85	70-130	3	35	mg/kg	06.08.19 03:51	
Toluene	0.000591	0.0996	0.0801	80	0.0795	78	70-130	1	35	mg/kg	06.08.19 03:51	
Ethylbenzene	<0.000563	0.0996	0.0833	84	0.0799	79	70-130	4	35	mg/kg	06.08.19 03:51	
m,p-Xylenes	<0.00101	0.199	0.170	85	0.160	79	70-130	6	35	mg/kg	06.08.19 03:51	
o-Xylene	0.000451	0.0996	0.0854	85	0.0807	79	70-130	6	35	mg/kg	06.08.19 03:51	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		105		70-130	%	06.08.19 03:51
4-Bromofluorobenzene	99		101		70-130	%	06.08.19 03:51

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Final 1.000

QC Summary 626931

Tetra Tech- Midland

EOG Endurance 25 Fed 2 SWD

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B

Seq Number: 3091974 Matrix: Soil Date Prep: 06.11.19

Parent Sample Id: 626931-010 MS Sample Id: 626931-010 S MSD Sample Id: 626931-010 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000383	0.0996	0.0871	87	0.0992	100	70-130	13	35	mg/kg	06.11.19 17:44	
Toluene	<0.000454	0.0996	0.0905	91	0.0943	95	70-130	4	35	mg/kg	06.11.19 17:44	
Ethylbenzene	<0.000563	0.0996	0.101	101	0.104	105	70-130	3	35	mg/kg	06.11.19 17:44	
m,p-Xylenes	<0.00101	0.199	0.205	103	0.213	107	70-130	4	35	mg/kg	06.11.19 17:44	
o-Xylene	0.000549	0.0996	0.0976	97	0.104	104	70-130	6	35	mg/kg	06.11.19 17:44	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		104		70-130	%	06.11.19 17:44
4-Bromofluorobenzene	63	**	91		70-130	%	06.11.19 17:44

MS/MSD Percent Recovery	[D] = 100*(C-A) / B	LCS = Laboratory Control Sample	MS = Matrix Spike
Relative Percent Difference	RPD = 200* | (C-E) / (C+E) |	A = Parent Result	B = Spike Added
LCS/LCSD Recovery	[D] = 100 * (C) / [B]	C = MS/LCS Result	D = MSD/LCSD % Rec
Log Difference	Log Diff. = Log(Sample Duplicate) - Log(Original Sample)	E = MSD/LCSD Result	

Analysis Request of Chain of Custody Record

e269351

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG

Site Manager: Mike Carmona

Project Name: Endurance 25 Fed 2 SWD

Project Location: (county, state) Lea Co, NM

Project #: 212C-MD

Invoice to: EOG - James Kennedy

Receiving Laboratory: Xenco

Sampler Signature: Tony Loganda

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: None	# CONTAINERS	FILTERED (Y/N)
	AH #1 (0-1')	6/6/19			X			X		1	N
	AH #1 (1-1.5')	6/6/19								1	N
	AH #1 (2-2.5')									1	N
	AH #1 (3-3.5')									1	N
	AH #1 (4-4.5')									1	N
	AH #1 (5-5.5')									1	N
	AH #2 (0-1')									1	N
	AH #2 (1-1.5')									1	N
	AH #2 (2-2.5')									1	N
	AH #2 (3-3.5')									1	N

ANALYSIS REQUEST (Circle or Specify Method No.)

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

Relinquished by: Date: Time:
Tony Loganda 6/6/19 1352

Received by: Date: Time:
06/06/19 13:52

Relinquished by: Date: Time:

Received by: Date: Time:
6/7/19 0744

Relinquished by: Date: Time:

Received by: Date: Time:

LAB USE ONLY

Sample Temperature
05/c3

REMARKS:

☒ STANDARD

☐ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

Analysis Request of Chain of Custody Record

626931

Page 2 of 2

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG
Site Manager: Mike Carmona
Project Name: Endurance 25 Fed 2 Com
Project Location: (county, state) Lea Co, NM
Project #: 212C-MD
Invoice to: EOG - James Kennedy
Receiving Laboratory: Xenco
Sampler Signature: Tony Legarda
Comments:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2019 DATE	TIME	MATRIX WATER	SOIL	PRESERVATIVE METHOD HCL	HNO_3	ICE	None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	AH #3 (0-1')	6/6/19			X			X		1	N	X		X												X				
	AH #3 (1-1.5')	↓			X			X		1	N	X		X												X				
	AH #3 (2-2.5')	↓			X			X		1	N	X		X												X				
	AH #3 (3-3.5')	↓			X			X		1	N	X		X												X				

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Conner Moehring	6/6/19	1352	[signature]	06/06/19	13:52
			[signature]	6/7/19	1044

LAB USE ONLY
Sample Temperature: C.5/6.3

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

(Circle) HAND DELIVERED (circled) FEDEX UPS Tracking #: ____

ORIGINAL COPY

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Tetra Tech- Midland

Date/ Time Received: 06/07/2019 10:46:00 AM

Work Order #: 626931

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	.3
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 06/07/2019

Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 06/07/2019

Jessica Kramer

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-1348-1
Laboratory Sample Delivery Group: Lea/Eddy County NM
Client Project/Site: Endurance 25 Federal #2

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

Attn: Brittany Long

JKramer

Authorized for release by:
10/11/2021 11:44:12 AM

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

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

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

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Federal #2

Laboratory Job ID: 890-1348-1
SDG: Lea/Eddy County NM

Table of Contents

Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

Qualifiers

GC VOA

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

Glossary

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

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Federal #2

Job ID: 890-1348-1
SDG: Lea/Eddy County NM

Job ID: 890-1348-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1348-1

Receipt
The samples were received on 10/1/2021 11:45 AM. 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 2.2°C

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-8878/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-6735-A-42-B). 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.

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-8906 and analytical batch 880-9157 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

Client Sample ID: H-1 0-6
Lab Sample ID: 890-1348-1
Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45
Sample Depth: 0 - 6"

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/06/21 10:57	10/09/21 16:00	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/06/21 10:57	10/09/21 16:00	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/06/21 10:57	10/09/21 16:00	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/06/21 10:57	10/09/21 16:00	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/06/21 10:57	10/09/21 16:00	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/06/21 10:57	10/09/21 16:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*10/06/21 10:57*	*10/09/21 16:00*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*10/06/21 10:57*	*10/09/21 16:00*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/08/21 16:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/06/21 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/05/21 08:25	10/05/21 16:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/05/21 08:25	10/05/21 16:37	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/05/21 08:25	10/05/21 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*10/05/21 08:25*	*10/05/21 16:37*	*1*
o-Terphenyl	*115*		*70 - 130*	*10/05/21 08:25*	*10/05/21 16:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**304**		4.97		mg/Kg			10/09/21 15:04	1

Client Sample ID: H-2 0-6
Lab Sample ID: 890-1348-2
Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45
Sample Depth: 0 - 6"

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		10/06/21 10:57	10/09/21 16:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/06/21 10:57	10/09/21 16:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/06/21 10:57	10/09/21 16:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/06/21 10:57	10/09/21 16:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/06/21 10:57	10/09/21 16:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/06/21 10:57	10/09/21 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*10/06/21 10:57*	*10/09/21 16:20*	*1*

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Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

Client Sample ID: H-2 0-6 — Lab Sample ID: 890-1348-2

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45
Sample Depth: 0 - 6"

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*10/06/21 10:57*	*10/09/21 16:20*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/08/21 16:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/06/21 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/05/21 08:25	10/05/21 16:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/05/21 08:25	10/05/21 16:59	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/05/21 08:25	10/05/21 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*104*		*70 - 130*	*10/05/21 08:25*	*10/05/21 16:59*	*1*
o-Terphenyl	*110*		*70 - 130*	*10/05/21 08:25*	*10/05/21 16:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.50**		4.95		mg/Kg			10/09/21 15:21	1

Client Sample ID: H-3 0-6 — Lab Sample ID: 890-1348-3

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45
Sample Depth: 0 - 6"

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/06/21 10:57	10/09/21 16:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/06/21 10:57	10/09/21 16:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/06/21 10:57	10/09/21 16:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/06/21 10:57	10/09/21 16:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/06/21 10:57	10/09/21 16:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/06/21 10:57	10/09/21 16:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*10/06/21 10:57*	*10/09/21 16:41*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*10/06/21 10:57*	*10/09/21 16:41*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/08/21 16:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/06/21 11:13	1

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

Client Sample ID: H-3 0-6 — Lab Sample ID: 890-1348-3

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45
Sample Depth: 0 - 6"

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		10/05/21 08:25	10/05/21 17:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/05/21 08:25	10/05/21 17:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/05/21 08:25	10/05/21 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*10/05/21 08:25*	*10/05/21 17:20*	*1*
o-Terphenyl	*115*		*70 - 130*	*10/05/21 08:25*	*10/05/21 17:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.5**		4.98		mg/Kg			10/09/21 15:26	1

Client Sample ID: H-4 0-6 — Lab Sample ID: 890-1348-4

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45
Sample Depth: 0 - 6"

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/06/21 10:57	10/09/21 17:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/06/21 10:57	10/09/21 17:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/06/21 10:57	10/09/21 17:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/06/21 10:57	10/09/21 17:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/06/21 10:57	10/09/21 17:01	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/06/21 10:57	10/09/21 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*10/06/21 10:57*	*10/09/21 17:01*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*10/06/21 10:57*	*10/09/21 17:01*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/08/21 16:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/06/21 11:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/05/21 08:25	10/05/21 17:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/05/21 08:25	10/05/21 17:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/05/21 08:25	10/05/21 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*10/05/21 08:25*	*10/05/21 17:42*	*1*
o-Terphenyl	*110*		*70 - 130*	*10/05/21 08:25*	*10/05/21 17:42*	*1*

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

Client Sample ID: H-4 0-6 — Lab Sample ID: 890-1348-4

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45
Sample Depth: 0 - 6"

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		4.95		mg/Kg			10/09/21 15:32	1

Client Sample ID: AH-1 0-1 — Lab Sample ID: 890-1348-5

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45
Sample Depth: 0 - 1

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		10/06/21 10:57	10/09/21 17:22	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/06/21 10:57	10/09/21 17:22	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/06/21 10:57	10/09/21 17:22	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		10/06/21 10:57	10/09/21 17:22	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/06/21 10:57	10/09/21 17:22	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		10/06/21 10:57	10/09/21 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*10/06/21 10:57*	*10/09/21 17:22*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*10/06/21 10:57*	*10/09/21 17:22*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			10/08/21 16:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/06/21 11:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/05/21 08:25	10/05/21 18:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/05/21 08:25	10/05/21 18:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/05/21 08:25	10/05/21 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*10/05/21 08:25*	*10/05/21 18:04*	*1*
o-Terphenyl	*109*		*70 - 130*	*10/05/21 08:25*	*10/05/21 18:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.1		4.95		mg/Kg			10/09/21 15:37	1

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

Client Sample ID: AH-1 1-1.5

Lab Sample ID: 890-1348-6
Matrix: Solid
Date Collected: 09/29/21 00:00
Date Received: 10/01/21 11:45
Sample Depth: 1 - 1.5

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		10/06/21 10:57	10/09/21 17:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/06/21 10:57	10/09/21 17:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/06/21 10:57	10/09/21 17:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/06/21 10:57	10/09/21 17:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/06/21 10:57	10/09/21 17:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/06/21 10:57	10/09/21 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*10/06/21 10:57*	*10/09/21 17:42*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*10/06/21 10:57*	*10/09/21 17:42*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/08/21 16:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/06/21 11:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/05/21 08:25	10/05/21 18:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/05/21 08:25	10/05/21 18:25	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/05/21 08:25	10/05/21 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*10/05/21 08:25*	*10/05/21 18:25*	*1*
o-Terphenyl	*115*		*70 - 130*	*10/05/21 08:25*	*10/05/21 18:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**704**		5.04		mg/Kg			10/09/21 15:43	1

Client Sample ID: AH-1 2-2.5

Lab Sample ID: 890-1348-7
Matrix: Solid
Date Collected: 09/29/21 00:00
Date Received: 10/01/21 11:45
Sample Depth: 2 - 2.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/06/21 10:57	10/09/21 18:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/06/21 10:57	10/09/21 18:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/06/21 10:57	10/09/21 18:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/06/21 10:57	10/09/21 18:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/06/21 10:57	10/09/21 18:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/06/21 10:57	10/09/21 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*10/06/21 10:57*	*10/09/21 18:03*	*1*

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

Client Sample ID: AH-1 2-2.5 Lab Sample ID: 890-1348-7

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45
Sample Depth: 2 - 2.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*10/06/21 10:57*	*10/09/21 18:03*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/08/21 16:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/06/21 11:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/05/21 08:25	10/05/21 18:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/05/21 08:25	10/05/21 18:46	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/05/21 08:25	10/05/21 18:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*115*		*70 - 130*	*10/05/21 08:25*	*10/05/21 18:46*	*1*
o-Terphenyl	*124*		*70 - 130*	*10/05/21 08:25*	*10/05/21 18:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**937**		4.97		mg/Kg			10/09/21 15:49	1

Client Sample ID: AH-1 3-3.5 Lab Sample ID: 890-1348-8

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45
Sample Depth: 3 - 3.5

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		10/06/21 10:57	10/09/21 18:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/06/21 10:57	10/09/21 18:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/06/21 10:57	10/09/21 18:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/06/21 10:57	10/09/21 18:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/06/21 10:57	10/09/21 18:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/06/21 10:57	10/09/21 18:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*10/06/21 10:57*	*10/09/21 18:23*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*10/06/21 10:57*	*10/09/21 18:23*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/08/21 16:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/06/21 11:21	1

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

Client Sample ID: AH-1 3-3.5 Lab Sample ID: 890-1348-8

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45
Sample Depth: 3 - 3.5

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		10/05/21 08:25	10/05/21 19:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/05/21 08:25	10/05/21 19:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/05/21 08:25	10/05/21 19:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*10/05/21 08:25*	*10/05/21 19:08*	*1*
o-Terphenyl	*117*		*70 - 130*	*10/05/21 08:25*	*10/05/21 19:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**938**		4.99		mg/Kg			10/09/21 15:54	1

Client Sample ID: AH-1 4-4.5 Lab Sample ID: 890-1348-9

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45
Sample Depth: 4 - 4.5

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		10/06/21 10:57	10/09/21 18:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/06/21 10:57	10/09/21 18:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/06/21 10:57	10/09/21 18:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/06/21 10:57	10/09/21 18:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/06/21 10:57	10/09/21 18:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/06/21 10:57	10/09/21 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*10/06/21 10:57*	*10/09/21 18:43*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*10/06/21 10:57*	*10/09/21 18:43*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/08/21 16:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/06/21 11:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/05/21 08:25	10/05/21 19:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/05/21 08:25	10/05/21 19:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/05/21 08:25	10/05/21 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*10/05/21 08:25*	*10/05/21 19:29*	*1*
o-Terphenyl	*113*		*70 - 130*	*10/05/21 08:25*	*10/05/21 19:29*	*1*

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

Client Sample ID: AH-1 4-4.5 Lab Sample ID: 890-1348-9

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45
Sample Depth: 4 - 4.5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	655		4.95		mg/Kg			10/09/21 18:37	1

Client Sample ID: AH-2 0-1 Lab Sample ID: 890-1348-10

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45
Sample Depth: 0 - 1

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		10/06/21 10:57	10/09/21 19:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/06/21 10:57	10/09/21 19:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/06/21 10:57	10/09/21 19:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/06/21 10:57	10/09/21 19:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/06/21 10:57	10/09/21 19:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/06/21 10:57	10/09/21 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*10/06/21 10:57*	*10/09/21 19:04*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*10/06/21 10:57*	*10/09/21 19:04*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/08/21 16:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/06/21 11:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/05/21 08:25	10/05/21 19:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/05/21 08:25	10/05/21 19:50	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/05/21 08:25	10/05/21 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*10/05/21 08:25*	*10/05/21 19:50*	*1*
o-Terphenyl	*115*		*70 - 130*	*10/05/21 08:25*	*10/05/21 19:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1490		4.97		mg/Kg			10/09/21 18:43	1

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

Client Sample ID: AH-3 0-1

Lab Sample ID: 890-1348-11
Matrix: Solid
Date Collected: 09/29/21 00:00
Date Received: 10/01/21 11:45
Sample Depth: 0 - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/06/21 10:57	10/09/21 20:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/06/21 10:57	10/09/21 20:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/06/21 10:57	10/09/21 20:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/06/21 10:57	10/09/21 20:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/06/21 10:57	10/09/21 20:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/06/21 10:57	10/09/21 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*10/06/21 10:57*	*10/09/21 20:26*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*10/06/21 10:57*	*10/09/21 20:26*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/08/21 16:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/06/21 11:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/05/21 08:23	10/05/21 14:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/05/21 08:23	10/05/21 14:03	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/05/21 08:23	10/05/21 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*10/05/21 08:23*	*10/05/21 14:03*	*1*
o-Terphenyl	*114*		*70 - 130*	*10/05/21 08:23*	*10/05/21 14:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2590**		24.8		mg/Kg			10/09/21 18:48	5

Client Sample ID: AH-3 1-1.5

Lab Sample ID: 890-1348-12
Matrix: Solid
Date Collected: 09/29/21 00:00
Date Received: 10/01/21 11:45
Sample Depth: 1 - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/06/21 10:57	10/09/21 20:47	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/06/21 10:57	10/09/21 20:47	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/06/21 10:57	10/09/21 20:47	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/06/21 10:57	10/09/21 20:47	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/06/21 10:57	10/09/21 20:47	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/06/21 10:57	10/09/21 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*10/06/21 10:57*	*10/09/21 20:47*	*1*

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

Client Sample ID: AH-3 1-1.5

Lab Sample ID: 890-1348-12
Matrix: Solid
Date Collected: 09/29/21 00:00
Date Received: 10/01/21 11:45
Sample Depth: 1 - 1.5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*10/06/21 10:57*	*10/09/21 20:47*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/08/21 16:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/06/21 11:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/05/21 08:23	10/05/21 14:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/05/21 08:23	10/05/21 14:25	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/05/21 08:23	10/05/21 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*10/05/21 08:23*	*10/05/21 14:25*	*1*
o-Terphenyl	*119*		*70 - 130*	*10/05/21 08:23*	*10/05/21 14:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1640**		25.2		mg/Kg			10/09/21 18:54	5

Client Sample ID: AH-3 2-2.5

Lab Sample ID: 890-1348-13
Matrix: Solid
Date Collected: 09/29/21 00:00
Date Received: 10/01/21 11:45
Sample Depth: 2 - 2.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/06/21 10:57	10/09/21 21:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/06/21 10:57	10/09/21 21:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/06/21 10:57	10/09/21 21:07	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/06/21 10:57	10/09/21 21:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/06/21 10:57	10/09/21 21:07	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/06/21 10:57	10/09/21 21:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*10/06/21 10:57*	*10/09/21 21:07*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*10/06/21 10:57*	*10/09/21 21:07*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/08/21 16:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/06/21 11:21	1

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

Client Sample ID: AH-3 2-2.5 Lab Sample ID: 890-1348-13

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45
Sample Depth: 2 - 2.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/05/21 08:23	10/05/21 14:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/05/21 08:23	10/05/21 14:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/05/21 08:23	10/05/21 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*10/05/21 08:23*	*10/05/21 14:47*	*1*
o-Terphenyl	*120*		*70 - 130*	*10/05/21 08:23*	*10/05/21 14:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1490**		4.98		mg/Kg			10/09/21 19:00	1

Client Sample ID: AH-3 3-3.5 Lab Sample ID: 890-1348-14

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45
Sample Depth: 3 - 3.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/06/21 10:57	10/09/21 21:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/06/21 10:57	10/09/21 21:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/06/21 10:57	10/09/21 21:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/06/21 10:57	10/09/21 21:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/06/21 10:57	10/09/21 21:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/06/21 10:57	10/09/21 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*10/06/21 10:57*	*10/09/21 21:28*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*10/06/21 10:57*	*10/09/21 21:28*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/08/21 16:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/06/21 11:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/05/21 08:23	10/05/21 15:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/05/21 08:23	10/05/21 15:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/05/21 08:23	10/05/21 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*10/05/21 08:23*	*10/05/21 15:08*	*1*
o-Terphenyl	*112*		*70 - 130*	*10/05/21 08:23*	*10/05/21 15:08*	*1*

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

Client Sample ID: AH-3 3-3.5 Lab Sample ID: 890-1348-14

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45
Sample Depth: 3 - 3.5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1490		5.05		mg/Kg			10/09/21 19:05	1

Client Sample ID: AH-3 4-4.5 Lab Sample ID: 890-1348-15

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45
Sample Depth: 4 - 4.5

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		10/06/21 10:57	10/09/21 21:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/06/21 10:57	10/09/21 21:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/06/21 10:57	10/09/21 21:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/06/21 10:57	10/09/21 21:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/06/21 10:57	10/09/21 21:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/06/21 10:57	10/09/21 21:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*10/06/21 10:57*	*10/09/21 21:48*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*10/06/21 10:57*	*10/09/21 21:48*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/08/21 16:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/06/21 11:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/05/21 08:23	10/05/21 15:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/05/21 08:23	10/05/21 15:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/05/21 08:23	10/05/21 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*10/05/21 08:23*	*10/05/21 15:30*	*1*
o-Terphenyl	*119*		*70 - 130*	*10/05/21 08:23*	*10/05/21 15:30*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	262		4.97		mg/Kg			10/09/21 19:11	1

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)										
890-1348-1	H-1 0-6	121	78										
890-1348-1 MS	H-1 0-6	118	86										
890-1348-1 MSD	H-1 0-6	121	87										
890-1348-2	H-2 0-6	111	81										
890-1348-3	H-3 0-6	130	74										
890-1348-4	H-4 0-6	116	84										
890-1348-5	AH-1 0-1	122	77										
890-1348-6	AH-1 1-1.5	126	77										
890-1348-7	AH-1 2-2.5	105	83										
890-1348-8	AH-1 3-3.5	126	80										
890-1348-9	AH-1 4-4.5	111	78										
890-1348-10	AH-2 0-1	126	77										
890-1348-11	AH-3 0-1	107	81										
890-1348-12	AH-3 1-1.5	129	74										
890-1348-13	AH-3 2-2.5	117	78										
890-1348-14	AH-3 3-3.5	126	73										
890-1348-15	AH-3 4-4.5	128	77										
LCS 880-8974/1-A	Lab Control Sample	118	83										
LCSD 880-8974/2-A	Lab Control Sample Dup	124	84										
MB 880-8974/5-A	Method Blank	113	78										
MB 880-9005/5-A	Method Blank	121	79										

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
880-6735-A-42-C MS	Matrix Spike	103	98										
880-6735-A-42-D MSD	Matrix Spike Duplicate	103	100										
890-1347-A-1-I MS	Matrix Spike	110	105										
890-1347-A-1-J MSD	Matrix Spike Duplicate	109	106										
890-1348-1	H-1 0-6	108	115										
890-1348-2	H-2 0-6	104	110										
890-1348-3	H-3 0-6	108	115										
890-1348-4	H-4 0-6	104	110										
890-1348-5	AH-1 0-1	104	109										
890-1348-6	AH-1 1-1.5	105	115										
890-1348-7	AH-1 2-2.5	115	124										
890-1348-8	AH-1 3-3.5	107	117										
890-1348-9	AH-1 4-4.5	104	113										
890-1348-10	AH-2 0-1	107	115										
890-1348-11	AH-3 0-1	101	114										
890-1348-12	AH-3 1-1.5	107	119										
890-1348-13	AH-3 2-2.5	108	120										
890-1348-14	AH-3 3-3.5	106	112										

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
890-1348-15	AH-3 4-4.5	109	119								
LCS 880-8877/2-A	Lab Control Sample	104	101								
LCS 880-8878/2-A	Lab Control Sample	118	117								
LCSD 880-8877/3-A	Lab Control Sample Dup	106	111								
LCSD 880-8878/3-A	Lab Control Sample Dup	118	118								
MB 880-8877/1-A	Method Blank	112	129								
MB 880-8878/1-A	Method Blank	119	133 S1+								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-8974/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 9112 **Prep Batch: 8974**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/06/21 10:57	10/09/21 15:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/06/21 10:57	10/09/21 15:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/06/21 10:57	10/09/21 15:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/06/21 10:57	10/09/21 15:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/06/21 10:57	10/09/21 15:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/06/21 10:57	10/09/21 15:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*10/06/21 10:57*	*10/09/21 15:38*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*10/06/21 10:57*	*10/09/21 15:38*	*1*

Lab Sample ID: LCS 880-8974/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 9112 **Prep Batch: 8974**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.09577		mg/Kg		96	70 - 130		
Toluene			0.100	0.09648		mg/Kg		96	70 - 130		
Ethylbenzene			0.100	0.1036		mg/Kg		104	70 - 130		
m-Xylene & p-Xylene			0.200	0.2146		mg/Kg		107	70 - 130		
o-Xylene			0.100	0.1083		mg/Kg		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*

Lab Sample ID: LCSD 880-8974/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 9112 **Prep Batch: 8974**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09824		mg/Kg		98	70 - 130	3	35
Toluene			0.100	0.09772		mg/Kg		98	70 - 130	1	35
Ethylbenzene			0.100	0.1044		mg/Kg		104	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2161		mg/Kg		108	70 - 130	1	35
o-Xylene			0.100	0.1081		mg/Kg		108	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*

Lab Sample ID: 890-1348-1 MS **Client Sample ID: H-1 0-6**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 9112 **Prep Batch: 8974**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00202	U	0.101	0.09892		mg/Kg		98	70 - 130		
Toluene	<0.00202	U	0.101	0.09917		mg/Kg		98	70 - 130		

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

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

Lab Sample ID: 890-1348-1 MS **Client Sample ID: H-1 0-6**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 9112 **Prep Batch: 8974**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00202	U	0.101	0.1035		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.202	0.2160		mg/Kg		107	70 - 130
o-Xylene	<0.00202	U	0.101	0.1088		mg/Kg		108	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*

Lab Sample ID: 890-1348-1 MSD **Client Sample ID: H-1 0-6**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 9112 **Prep Batch: 8974**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.09642		mg/Kg		96	70 - 130	3	35
Toluene	<0.00202	U	0.100	0.09546		mg/Kg		95	70 - 130	4	35
Ethylbenzene	<0.00202	U	0.100	0.1014		mg/Kg		101	70 - 130	2	35
m-Xylene & p-Xylene	<0.00403	U	0.200	0.2110		mg/Kg		105	70 - 130	2	35
o-Xylene	<0.00202	U	0.100	0.1065		mg/Kg		106	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: MB 880-9005/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 9112 **Prep Batch: 9005**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/06/21 16:47	10/09/21 04:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/06/21 16:47	10/09/21 04:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/06/21 16:47	10/09/21 04:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/06/21 16:47	10/09/21 04:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/06/21 16:47	10/09/21 04:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/06/21 16:47	10/09/21 04:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*10/06/21 16:47*	*10/09/21 04:45*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*10/06/21 16:47*	*10/09/21 04:45*	*1*

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

Lab Sample ID: MB 880-8877/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 8871 **Prep Batch: 8877**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/05/21 08:23	10/05/21 10:26	1

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

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

Lab Sample ID: MB 880-8877/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 8871 **Prep Batch: 8877**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/05/21 08:23	10/05/21 10:26	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/05/21 08:23	10/05/21 10:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*10/05/21 08:23*	*10/05/21 10:26*	*1*
o-Terphenyl	*129*		*70 - 130*	*10/05/21 08:23*	*10/05/21 10:26*	*1*

Lab Sample ID: LCS 880-8877/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 8871 **Prep Batch: 8877**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	884.0		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	920.7		mg/Kg		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*104*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Lab Sample ID: LCSD 880-8877/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 8871 **Prep Batch: 8877**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	928.7		mg/Kg		93	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	966.7		mg/Kg		97	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*106*		*70 - 130*
o-Terphenyl	*111*		*70 - 130*

Lab Sample ID: 880-6735-A-42-C MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 8871 **Prep Batch: 8877**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	995	943.1		mg/Kg		93	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	995	854.2		mg/Kg		86	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

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

Lab Sample ID: 880-6735-A-42-D MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 8871 **Prep Batch: 8877**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	979.0		mg/Kg		96	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	871.0		mg/Kg		87	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*100*		*70 - 130*

Lab Sample ID: MB 880-8878/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 8873 **Prep Batch: 8878**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/05/21 08:25	10/05/21 10:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/05/21 08:25	10/05/21 10:49	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/05/21 08:25	10/05/21 10:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*10/05/21 08:25*	*10/05/21 10:49*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*10/05/21 08:25*	*10/05/21 10:49*	*1*

Lab Sample ID: LCS 880-8878/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 8873 **Prep Batch: 8878**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1020		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1006		mg/Kg		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*118*		*70 - 130*
o-Terphenyl	*117*		*70 - 130*

Lab Sample ID: LCSD 880-8878/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 8873 **Prep Batch: 8878**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	963.7		mg/Kg		96	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	1002		mg/Kg		100	70 - 130	0	20

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

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

Lab Sample ID: LCSD 880-8878/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 8873 **Prep Batch: 8878**

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: 890-1347-A-1-I MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 8873 **Prep Batch: 8878**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	995	892.0		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	995	892.6		mg/Kg		90	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: 890-1347-A-1-J MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 8873 **Prep Batch: 8878**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	979.5		mg/Kg		98	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	903.5		mg/Kg		91	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	106		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-8905/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 9156

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/09/21 13:05	1

Lab Sample ID: LCS 880-8905/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 9156

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	236.7		mg/Kg		95	90 - 110

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-8905/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 9156

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	237.6		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-6758-A-43-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 9156

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	333		250	582.6		mg/Kg		100	90 - 110		

Lab Sample ID: 880-6758-A-43-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 9156

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	333		250	582.5		mg/Kg		100	90 - 110	0	20

Lab Sample ID: MB 880-8906/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 9157

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/09/21 16:22	1

Lab Sample ID: LCS 880-8906/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 9157

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	237.8		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-8906/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 9157

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	239.1		mg/Kg		96	90 - 110	1	20

Lab Sample ID: 880-6758-A-45-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 9157

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	3100		1250	4461		mg/Kg		109	90 - 110		

Lab Sample ID: 880-6758-A-45-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 9157

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	3100		1250	4464		mg/Kg		110	90 - 110	0	20

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-6758-A-55-C MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 9157

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	833	F1	250	1056	F1	mg/Kg		89	90 - 110		

Lab Sample ID: 880-6758-A-55-D MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 9157

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	833	F1	250	1059		mg/Kg		90	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Federal #2

Job ID: 890-1348-1
SDG: Lea/Eddy County NM

GC VOA

Prep Batch: 8974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1348-1	H-1 0-6	Total/NA	Solid	5035	
890-1348-2	H-2 0-6	Total/NA	Solid	5035	
890-1348-3	H-3 0-6	Total/NA	Solid	5035	
890-1348-4	H-4 0-6	Total/NA	Solid	5035	
890-1348-5	AH-1 0-1	Total/NA	Solid	5035	
890-1348-6	AH-1 1-1.5	Total/NA	Solid	5035	
890-1348-7	AH-1 2-2.5	Total/NA	Solid	5035	
890-1348-8	AH-1 3-3.5	Total/NA	Solid	5035	
890-1348-9	AH-1 4-4.5	Total/NA	Solid	5035	
890-1348-10	AH-2 0-1	Total/NA	Solid	5035	
890-1348-11	AH-3 0-1	Total/NA	Solid	5035	
890-1348-12	AH-3 1-1.5	Total/NA	Solid	5035	
890-1348-13	AH-3 2-2.5	Total/NA	Solid	5035	
890-1348-14	AH-3 3-3.5	Total/NA	Solid	5035	
890-1348-15	AH-3 4-4.5	Total/NA	Solid	5035	
MB 880-8974/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-8974/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8974/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1348-1 MS	H-1 0-6	Total/NA	Solid	5035	
890-1348-1 MSD	H-1 0-6	Total/NA	Solid	5035	

Prep Batch: 9005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-9005/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 9112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1348-1	H-1 0-6	Total/NA	Solid	8021B	8974
890-1348-2	H-2 0-6	Total/NA	Solid	8021B	8974
890-1348-3	H-3 0-6	Total/NA	Solid	8021B	8974
890-1348-4	H-4 0-6	Total/NA	Solid	8021B	8974
890-1348-5	AH-1 0-1	Total/NA	Solid	8021B	8974
890-1348-6	AH-1 1-1.5	Total/NA	Solid	8021B	8974
890-1348-7	AH-1 2-2.5	Total/NA	Solid	8021B	8974
890-1348-8	AH-1 3-3.5	Total/NA	Solid	8021B	8974
890-1348-9	AH-1 4-4.5	Total/NA	Solid	8021B	8974
890-1348-10	AH-2 0-1	Total/NA	Solid	8021B	8974
890-1348-11	AH-3 0-1	Total/NA	Solid	8021B	8974
890-1348-12	AH-3 1-1.5	Total/NA	Solid	8021B	8974
890-1348-13	AH-3 2-2.5	Total/NA	Solid	8021B	8974
890-1348-14	AH-3 3-3.5	Total/NA	Solid	8021B	8974
890-1348-15	AH-3 4-4.5	Total/NA	Solid	8021B	8974
MB 880-8974/5-A	Method Blank	Total/NA	Solid	8021B	8974
MB 880-9005/5-A	Method Blank	Total/NA	Solid	8021B	9005
LCS 880-8974/1-A	Lab Control Sample	Total/NA	Solid	8021B	8974
LCSD 880-8974/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8974
890-1348-1 MS	H-1 0-6	Total/NA	Solid	8021B	8974
890-1348-1 MSD	H-1 0-6	Total/NA	Solid	8021B	8974

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Federal #2

Job ID: 890-1348-1
SDG: Lea/Eddy County NM

GC VOA

Analysis Batch: 9139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1348-1	H-1 0-6	Total/NA	Solid	Total BTEX	
890-1348-2	H-2 0-6	Total/NA	Solid	Total BTEX	
890-1348-3	H-3 0-6	Total/NA	Solid	Total BTEX	
890-1348-4	H-4 0-6	Total/NA	Solid	Total BTEX	
890-1348-5	AH-1 0-1	Total/NA	Solid	Total BTEX	
890-1348-6	AH-1 1-1.5	Total/NA	Solid	Total BTEX	
890-1348-7	AH-1 2-2.5	Total/NA	Solid	Total BTEX	
890-1348-8	AH-1 3-3.5	Total/NA	Solid	Total BTEX	
890-1348-9	AH-1 4-4.5	Total/NA	Solid	Total BTEX	
890-1348-10	AH-2 0-1	Total/NA	Solid	Total BTEX	
890-1348-11	AH-3 0-1	Total/NA	Solid	Total BTEX	
890-1348-12	AH-3 1-1.5	Total/NA	Solid	Total BTEX	
890-1348-13	AH-3 2-2.5	Total/NA	Solid	Total BTEX	
890-1348-14	AH-3 3-3.5	Total/NA	Solid	Total BTEX	
890-1348-15	AH-3 4-4.5	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 8871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1348-11	AH-3 0-1	Total/NA	Solid	8015B NM	8877
890-1348-12	AH-3 1-1.5	Total/NA	Solid	8015B NM	8877
890-1348-13	AH-3 2-2.5	Total/NA	Solid	8015B NM	8877
890-1348-14	AH-3 3-3.5	Total/NA	Solid	8015B NM	8877
890-1348-15	AH-3 4-4.5	Total/NA	Solid	8015B NM	8877
MB 880-8877/1-A	Method Blank	Total/NA	Solid	8015B NM	8877
LCS 880-8877/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	8877
LCSD 880-8877/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	8877
880-6735-A-42-C MS	Matrix Spike	Total/NA	Solid	8015B NM	8877
880-6735-A-42-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	8877

Analysis Batch: 8873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1348-1	H-1 0-6	Total/NA	Solid	8015B NM	8878
890-1348-2	H-2 0-6	Total/NA	Solid	8015B NM	8878
890-1348-3	H-3 0-6	Total/NA	Solid	8015B NM	8878
890-1348-4	H-4 0-6	Total/NA	Solid	8015B NM	8878
890-1348-5	AH-1 0-1	Total/NA	Solid	8015B NM	8878
890-1348-6	AH-1 1-1.5	Total/NA	Solid	8015B NM	8878
890-1348-7	AH-1 2-2.5	Total/NA	Solid	8015B NM	8878
890-1348-8	AH-1 3-3.5	Total/NA	Solid	8015B NM	8878
890-1348-9	AH-1 4-4.5	Total/NA	Solid	8015B NM	8878
890-1348-10	AH-2 0-1	Total/NA	Solid	8015B NM	8878
MB 880-8878/1-A	Method Blank	Total/NA	Solid	8015B NM	8878
LCS 880-8878/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	8878
LCSD 880-8878/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	8878
890-1347-A-1-I MS	Matrix Spike	Total/NA	Solid	8015B NM	8878
890-1347-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	8878

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Federal #2

Job ID: 890-1348-1
SDG: Lea/Eddy County NM

GC Semi VOA

Prep Batch: 8877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1348-11	AH-3 0-1	Total/NA	Solid	8015NM Prep	
890-1348-12	AH-3 1-1.5	Total/NA	Solid	8015NM Prep	
890-1348-13	AH-3 2-2.5	Total/NA	Solid	8015NM Prep	
890-1348-14	AH-3 3-3.5	Total/NA	Solid	8015NM Prep	
890-1348-15	AH-3 4-4.5	Total/NA	Solid	8015NM Prep	
MB 880-8877/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-8877/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-8877/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-6735-A-42-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-6735-A-42-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 8878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1348-1	H-1 0-6	Total/NA	Solid	8015NM Prep	
890-1348-2	H-2 0-6	Total/NA	Solid	8015NM Prep	
890-1348-3	H-3 0-6	Total/NA	Solid	8015NM Prep	
890-1348-4	H-4 0-6	Total/NA	Solid	8015NM Prep	
890-1348-5	AH-1 0-1	Total/NA	Solid	8015NM Prep	
890-1348-6	AH-1 1-1.5	Total/NA	Solid	8015NM Prep	
890-1348-7	AH-1 2-2.5	Total/NA	Solid	8015NM Prep	
890-1348-8	AH-1 3-3.5	Total/NA	Solid	8015NM Prep	
890-1348-9	AH-1 4-4.5	Total/NA	Solid	8015NM Prep	
890-1348-10	AH-2 0-1	Total/NA	Solid	8015NM Prep	
MB 880-8878/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-8878/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-8878/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1347-A-1-I MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1347-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 8973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1348-1	H-1 0-6	Total/NA	Solid	8015 NM	
890-1348-2	H-2 0-6	Total/NA	Solid	8015 NM	
890-1348-3	H-3 0-6	Total/NA	Solid	8015 NM	
890-1348-4	H-4 0-6	Total/NA	Solid	8015 NM	
890-1348-5	AH-1 0-1	Total/NA	Solid	8015 NM	
890-1348-6	AH-1 1-1.5	Total/NA	Solid	8015 NM	
890-1348-7	AH-1 2-2.5	Total/NA	Solid	8015 NM	
890-1348-8	AH-1 3-3.5	Total/NA	Solid	8015 NM	
890-1348-9	AH-1 4-4.5	Total/NA	Solid	8015 NM	
890-1348-10	AH-2 0-1	Total/NA	Solid	8015 NM	
890-1348-11	AH-3 0-1	Total/NA	Solid	8015 NM	
890-1348-12	AH-3 1-1.5	Total/NA	Solid	8015 NM	
890-1348-13	AH-3 2-2.5	Total/NA	Solid	8015 NM	
890-1348-14	AH-3 3-3.5	Total/NA	Solid	8015 NM	
890-1348-15	AH-3 4-4.5	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Federal #2

Job ID: 890-1348-1
SDG: Lea/Eddy County NM

HPLC/IC

Leach Batch: 8905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1348-1	H-1 0-6	Soluble	Solid	DI Leach	
890-1348-2	H-2 0-6	Soluble	Solid	DI Leach	
890-1348-3	H-3 0-6	Soluble	Solid	DI Leach	
890-1348-4	H-4 0-6	Soluble	Solid	DI Leach	
890-1348-5	AH-1 0-1	Soluble	Solid	DI Leach	
890-1348-6	AH-1 1-1.5	Soluble	Solid	DI Leach	
890-1348-7	AH-1 2-2.5	Soluble	Solid	DI Leach	
890-1348-8	AH-1 3-3.5	Soluble	Solid	DI Leach	
MB 880-8905/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-8905/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-8905/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-6758-A-43-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-6758-A-43-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 8906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1348-9	AH-1 4-4.5	Soluble	Solid	DI Leach	
890-1348-10	AH-2 0-1	Soluble	Solid	DI Leach	
890-1348-11	AH-3 0-1	Soluble	Solid	DI Leach	
890-1348-12	AH-3 1-1.5	Soluble	Solid	DI Leach	
890-1348-13	AH-3 2-2.5	Soluble	Solid	DI Leach	
890-1348-14	AH-3 3-3.5	Soluble	Solid	DI Leach	
890-1348-15	AH-3 4-4.5	Soluble	Solid	DI Leach	
MB 880-8906/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-8906/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-8906/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-6758-A-45-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-6758-A-45-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-6758-A-55-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-6758-A-55-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 9156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1348-1	H-1 0-6	Soluble	Solid	300.0	8905
890-1348-2	H-2 0-6	Soluble	Solid	300.0	8905
890-1348-3	H-3 0-6	Soluble	Solid	300.0	8905
890-1348-4	H-4 0-6	Soluble	Solid	300.0	8905
890-1348-5	AH-1 0-1	Soluble	Solid	300.0	8905
890-1348-6	AH-1 1-1.5	Soluble	Solid	300.0	8905
890-1348-7	AH-1 2-2.5	Soluble	Solid	300.0	8905
890-1348-8	AH-1 3-3.5	Soluble	Solid	300.0	8905
MB 880-8905/1-A	Method Blank	Soluble	Solid	300.0	8905
LCS 880-8905/2-A	Lab Control Sample	Soluble	Solid	300.0	8905
LCSD 880-8905/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	8905
880-6758-A-43-C MS	Matrix Spike	Soluble	Solid	300.0	8905
880-6758-A-43-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	8905

Analysis Batch: 9157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1348-9	AH-1 4-4.5	Soluble	Solid	300.0	8906
890-1348-10	AH-2 0-1	Soluble	Solid	300.0	8906

QC Association Summary

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

HPLC/IC (Continued)

Analysis Batch: 9157 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1348-11	AH-3 0-1	Soluble	Solid	300.0	8906
890-1348-12	AH-3 1-1.5	Soluble	Solid	300.0	8906
890-1348-13	AH-3 2-2.5	Soluble	Solid	300.0	8906
890-1348-14	AH-3 3-3.5	Soluble	Solid	300.0	8906
890-1348-15	AH-3 4-4.5	Soluble	Solid	300.0	8906
MB 880-8906/1-A	Method Blank	Soluble	Solid	300.0	8906
LCS 880-8906/2-A	Lab Control Sample	Soluble	Solid	300.0	8906
LCSD 880-8906/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	8906
880-6758-A-45-C MS	Matrix Spike	Soluble	Solid	300.0	8906
880-6758-A-45-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	8906
880-6758-A-55-C MS	Matrix Spike	Soluble	Solid	300.0	8906
880-6758-A-55-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	8906

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

Client Sample ID: H-1 0-6 Lab Sample ID: 890-1348-1

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8974	10/06/21 10:57	KL	XEN MID
Total/NA	Analysis	8021B		1	9112	10/09/21 16:00	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9139	10/08/21 16:35	KL	XEN MID
Total/NA	Analysis	8015 NM		1	8973	10/06/21 11:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			8878	10/05/21 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1	8873	10/05/21 16:37	AJ	XEN MID
Soluble	Leach	DI Leach			8905	10/05/21 11:04	CH	XEN MID
Soluble	Analysis	300.0		1	9156	10/09/21 15:04	CH	XEN MID

Client Sample ID: H-2 0-6 Lab Sample ID: 890-1348-2

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8974	10/06/21 10:57	KL	XEN MID
Total/NA	Analysis	8021B		1	9112	10/09/21 16:20	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9139	10/08/21 16:35	KL	XEN MID
Total/NA	Analysis	8015 NM		1	8973	10/06/21 11:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			8878	10/05/21 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1	8873	10/05/21 16:59	AJ	XEN MID
Soluble	Leach	DI Leach			8905	10/05/21 11:04	CH	XEN MID
Soluble	Analysis	300.0		1	9156	10/09/21 15:21	CH	XEN MID

Client Sample ID: H-3 0-6 Lab Sample ID: 890-1348-3

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8974	10/06/21 10:57	KL	XEN MID
Total/NA	Analysis	8021B		1	9112	10/09/21 16:41	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9139	10/08/21 16:35	KL	XEN MID
Total/NA	Analysis	8015 NM		1	8973	10/06/21 11:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			8878	10/05/21 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1	8873	10/05/21 17:20	AJ	XEN MID
Soluble	Leach	DI Leach			8905	10/05/21 11:04	CH	XEN MID
Soluble	Analysis	300.0		1	9156	10/09/21 15:26	CH	XEN MID

Client Sample ID: H-4 0-6 Lab Sample ID: 890-1348-4

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8974	10/06/21 10:57	KL	XEN MID
Total/NA	Analysis	8021B		1	9112	10/09/21 17:01	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9139	10/08/21 16:35	KL	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

Client Sample ID: H-4 0-6 Lab Sample ID: 890-1348-4

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1	8973	10/06/21 11:13	AJ	XEN MID
Total/NA	Prep	8015NM Prep			8878	10/05/21 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1	8873	10/05/21 17:42	AJ	XEN MID
Soluble	Leach	DI Leach			8905	10/05/21 11:04	CH	XEN MID
Soluble	Analysis	300.0		1	9156	10/09/21 15:32	CH	XEN MID

Client Sample ID: AH-1 0-1 Lab Sample ID: 890-1348-5

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8974	10/06/21 10:57	KL	XEN MID
Total/NA	Analysis	8021B		1	9112	10/09/21 17:22	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9139	10/08/21 16:35	KL	XEN MID
Total/NA	Analysis	8015 NM		1	8973	10/06/21 11:21	AJ	XEN MID
Total/NA	Prep	8015NM Prep			8878	10/05/21 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1	8873	10/05/21 18:04	AJ	XEN MID
Soluble	Leach	DI Leach			8905	10/05/21 11:04	CH	XEN MID
Soluble	Analysis	300.0		1	9156	10/09/21 15:37	CH	XEN MID

Client Sample ID: AH-1 1-1.5 Lab Sample ID: 890-1348-6

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8974	10/06/21 10:57	KL	XEN MID
Total/NA	Analysis	8021B		1	9112	10/09/21 17:42	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9139	10/08/21 16:35	KL	XEN MID
Total/NA	Analysis	8015 NM		1	8973	10/06/21 11:21	AJ	XEN MID
Total/NA	Prep	8015NM Prep			8878	10/05/21 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1	8873	10/05/21 18:25	AJ	XEN MID
Soluble	Leach	DI Leach			8905	10/05/21 11:04	CH	XEN MID
Soluble	Analysis	300.0		1	9156	10/09/21 15:43	CH	XEN MID

Client Sample ID: AH-1 2-2.5 Lab Sample ID: 890-1348-7

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8974	10/06/21 10:57	KL	XEN MID
Total/NA	Analysis	8021B		1	9112	10/09/21 18:03	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9139	10/08/21 16:35	KL	XEN MID
Total/NA	Analysis	8015 NM		1	8973	10/06/21 11:21	AJ	XEN MID
Total/NA	Prep	8015NM Prep			8878	10/05/21 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1	8873	10/05/21 18:46	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

Client Sample ID: AH-1 2-2.5 Lab Sample ID: 890-1348-7

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			8905	10/05/21 11:04	CH	XEN MID
Soluble	Analysis	300.0		1	9156	10/09/21 15:49	CH	XEN MID

Client Sample ID: AH-1 3-3.5 Lab Sample ID: 890-1348-8

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8974	10/06/21 10:57	KL	XEN MID
Total/NA	Analysis	8021B		1	9112	10/09/21 18:23	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9139	10/08/21 16:35	KL	XEN MID
Total/NA	Analysis	8015 NM		1	8973	10/06/21 11:21	AJ	XEN MID
Total/NA	Prep	8015NM Prep			8878	10/05/21 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1	8873	10/05/21 19:08	AJ	XEN MID
Soluble	Leach	DI Leach			8905	10/05/21 11:04	CH	XEN MID
Soluble	Analysis	300.0		1	9156	10/09/21 15:54	CH	XEN MID

Client Sample ID: AH-1 4-4.5 Lab Sample ID: 890-1348-9

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8974	10/06/21 10:57	KL	XEN MID
Total/NA	Analysis	8021B		1	9112	10/09/21 18:43	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9139	10/08/21 16:35	KL	XEN MID
Total/NA	Analysis	8015 NM		1	8973	10/06/21 11:21	AJ	XEN MID
Total/NA	Prep	8015NM Prep			8878	10/05/21 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1	8873	10/05/21 19:29	AJ	XEN MID
Soluble	Leach	DI Leach			8906	10/05/21 11:05	CH	XEN MID
Soluble	Analysis	300.0		1	9157	10/09/21 18:37	CH	XEN MID

Client Sample ID: AH-2 0-1 Lab Sample ID: 890-1348-10

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8974	10/06/21 10:57	KL	XEN MID
Total/NA	Analysis	8021B		1	9112	10/09/21 19:04	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9139	10/08/21 16:35	KL	XEN MID
Total/NA	Analysis	8015 NM		1	8973	10/06/21 11:21	AJ	XEN MID
Total/NA	Prep	8015NM Prep			8878	10/05/21 08:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1	8873	10/05/21 19:50	AJ	XEN MID
Soluble	Leach	DI Leach			8906	10/05/21 11:05	CH	XEN MID
Soluble	Analysis	300.0		1	9157	10/09/21 18:43	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

Client Sample ID: AH-3 0-1 Lab Sample ID: 890-1348-11

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8974	10/06/21 10:57	KL	XEN MID
Total/NA	Analysis	8021B		1	9112	10/09/21 20:26	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9139	10/08/21 16:35	KL	XEN MID
Total/NA	Analysis	8015 NM		1	8973	10/06/21 11:21	AJ	XEN MID
Total/NA	Prep	8015NM Prep			8877	10/05/21 08:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1	8871	10/05/21 14:03	AJ	XEN MID
Soluble	Leach	DI Leach			8906	10/05/21 11:05	CH	XEN MID
Soluble	Analysis	300.0		5	9157	10/09/21 18:48	CH	XEN MID

Client Sample ID: AH-3 1-1.5 Lab Sample ID: 890-1348-12

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8974	10/06/21 10:57	KL	XEN MID
Total/NA	Analysis	8021B		1	9112	10/09/21 20:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9139	10/08/21 16:35	KL	XEN MID
Total/NA	Analysis	8015 NM		1	8973	10/06/21 11:21	AJ	XEN MID
Total/NA	Prep	8015NM Prep			8877	10/05/21 08:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1	8871	10/05/21 14:25	AJ	XEN MID
Soluble	Leach	DI Leach			8906	10/05/21 11:05	CH	XEN MID
Soluble	Analysis	300.0		5	9157	10/09/21 18:54	CH	XEN MID

Client Sample ID: AH-3 2-2.5 Lab Sample ID: 890-1348-13

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8974	10/06/21 10:57	KL	XEN MID
Total/NA	Analysis	8021B		1	9112	10/09/21 21:07	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9139	10/08/21 16:35	KL	XEN MID
Total/NA	Analysis	8015 NM		1	8973	10/06/21 11:21	AJ	XEN MID
Total/NA	Prep	8015NM Prep			8877	10/05/21 08:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1	8871	10/05/21 14:47	AJ	XEN MID
Soluble	Leach	DI Leach			8906	10/05/21 11:05	CH	XEN MID
Soluble	Analysis	300.0		1	9157	10/09/21 19:00	CH	XEN MID

Client Sample ID: AH-3 3-3.5 Lab Sample ID: 890-1348-14

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8974	10/06/21 10:57	KL	XEN MID
Total/NA	Analysis	8021B		1	9112	10/09/21 21:28	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9139	10/08/21 16:35	KL	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

Client Sample ID: AH-3 3-3.5 Lab Sample ID: 890-1348-14

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1	8973	10/06/21 11:21	AJ	XEN MID
Total/NA	Prep	8015NM Prep			8877	10/05/21 08:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1	8871	10/05/21 15:08	AJ	XEN MID
Soluble	Leach	DI Leach			8906	10/05/21 11:05	CH	XEN MID
Soluble	Analysis	300.0		1	9157	10/09/21 19:05	CH	XEN MID

Client Sample ID: AH-3 4-4.5 Lab Sample ID: 890-1348-15

Date Collected: 09/29/21 00:00 **Matrix: Solid**
Date Received: 10/01/21 11:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8974	10/06/21 10:57	KL	XEN MID
Total/NA	Analysis	8021B		1	9112	10/09/21 21:48	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	9139	10/08/21 16:35	KL	XEN MID
Total/NA	Analysis	8015 NM		1	8973	10/06/21 11:21	AJ	XEN MID
Total/NA	Prep	8015NM Prep			8877	10/05/21 08:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1	8871	10/05/21 15:30	AJ	XEN MID
Soluble	Leach	DI Leach			8906	10/05/21 11:05	CH	XEN MID
Soluble	Analysis	300.0		1	9157	10/09/21 19:11	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: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

Laboratory: Eurofins Xenco, Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Tetra Tech, Inc. Job ID: 890-1348-1
Project/Site: Endurance 25 Federal #2 SDG: Lea/Eddy County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (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.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

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: Endurance 25 Federal #2

Job ID: 890-1348-1
SDG: Lea/Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1348-1	H-1 0-6	Solid	09/29/21 00:00	10/01/21 11:45	0 - 6"
890-1348-2	H-2 0-6	Solid	09/29/21 00:00	10/01/21 11:45	0 - 6"
890-1348-3	H-3 0-6	Solid	09/29/21 00:00	10/01/21 11:45	0 - 6"
890-1348-4	H-4 0-6	Solid	09/29/21 00:00	10/01/21 11:45	0 - 6"
890-1348-5	AH-1 0-1	Solid	09/29/21 00:00	10/01/21 11:45	0 - 1
890-1348-6	AH-1 1-1.5	Solid	09/29/21 00:00	10/01/21 11:45	1 - 1.5
890-1348-7	AH-1 2-2.5	Solid	09/29/21 00:00	10/01/21 11:45	2 - 2.5
890-1348-8	AH-1 3-3.5	Solid	09/29/21 00:00	10/01/21 11:45	3 - 3.5
890-1348-9	AH-1 4-4.5	Solid	09/29/21 00:00	10/01/21 11:45	4 - 4.5
890-1348-10	AH-2 0-1	Solid	09/29/21 00:00	10/01/21 11:45	0 - 1
890-1348-11	AH-3 0-1	Solid	09/29/21 00:00	10/01/21 11:45	0 - 1
890-1348-12	AH-3 1-1.5	Solid	09/29/21 00:00	10/01/21 11:45	1 - 1.5
890-1348-13	AH-3 2-2.5	Solid	09/29/21 00:00	10/01/21 11:45	2 - 2.5
890-1348-14	AH-3 3-3.5	Solid	09/29/21 00:00	10/01/21 11:45	3 - 3.5
890-1348-15	AH-3 4-4.5	Solid	09/29/21 00:00	10/01/21 11:45	4 - 4.5

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland,Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

890-1348 Chain of Custody

Client Name: EOG Resources
Site Manager: Brittany Long
Project Name: Endurance 25 Federal #2
Project Location: (county, state) Lea / Eddy County, New Mexico
Project #: 212C-MD-02594
Invoice to: Todd Wells, EOG Resources
Receiving Laboratory: Xenco Eurofins
Sampler Signature: Myles Taylor
Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)
	H-1 0-6"	9/29/21			X				X			
	H-2 0-6"	9/29/21			X				X			
	H-3 0-6"	9/29/21			X				X			
	H-4 0-6"	9/29/21			X				X			
	AH-1 0-1'	9/29/21			X				X			
	AH-1 1-1.5'	9/29/21			X				X			
	AH-1 2-2.5'	9/29/21			X				X			
	AH-1 3-3.5'	9/29/21			X				X			
	AH-1 4-4.5'	9/29/21			X				X			
	AH-2 0-1'	9/29/21			X				X			

ANALYSIS REQUEST (Circle or Specify Method No.)

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

Relinquished by: Myles Taylor Date: 10/1/21 Time:
Received by: Clue Cope Date: 10-1-21 Time: 1141
Relinquished by: Date: Time:
Received by: Date: Time:
Relinquished by: Date: Time:
Received by: Date: Time:

LAB USE ONLY
Sample Temperature 2.4 2.2

REMARKS:
☒ STANDARD
☐ RUSH: Same Day 24 hr 48 hr 72 hr
☐ Rush Charges Authorized
☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Analysis Request of Chain of Custody Record

Page 2 of 2

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG Resources

Site Manager: Brittany Long

Project Name: Endurance 25 Federal #2

Project Location: (county, state) Lea/Eddy County, New Mexico

Project #: 212C-MD-02594

Invoice to: Todd Wells EOG Resources

Receiving Laboratory: Xenco Eurofins

Sampler Signature: Myles Tayh

Comments:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	AH-3 0-1'	9/29/21			X			X				X		X												X							
	AH-3 1-1.5'	9/29/21			X			X				X		X												X							
	AH-3 2-2.5'	9/29/21			X			X				X		X												X							
	AH-3 3-3.5'	9/29/21			X			X				X		X												X							
	AH-3 4-4.5'	9/29/21			X			X				X		X												X							

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Myles Tayh	10/11/21		Cloe Cuap	10.1.21	1141
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature
2.4
2.2

REMARKS:

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-441 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 2
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana, NELAP - Texas		Job #: 890-1348-1
Address: 1211 W Florida Ave	Due Date Requested: 10/7/2021	**Analysis Requested**		**Preservation Codes**
City: Midland	TAT Requested (days):			
State Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email:	WO #:			
Project Name: Endurance 25 Federal #2	Project #: 88000013			
Site:	SSOW#:			Other:

Preservation Codes: A HCL; B NaOH; C - Zn Acetate; D Nitric Acid; E NaHSO4; F MeOH; G Amchlor; H Ascorbic Acid; I Ice; J DI Water; K EDTA; L EDA; M Hexane; N None; O AsNaO2; P Na2O4S; Q Na2SO3; R Na2S2O3; S H2SO4; T TSP Dodecahydrate; U Acetone; V - MCAA; W pH 4-5; Z other (specify)

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH GRO-DRO-MRO	8021B/5035FP_Calc BTEX	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
H-1 0-6 (890-1348-1)	9/29/21	Mountain		Solid			X	X	X	X	X	1	
H-2 0-6 (890-1348-2)	9/29/21	Mountain		Solid			X	X	X	X	X	1	
H-3 0-6 (890-1348-3)	9/29/21	Mountain		Solid			X	X	X	X	X	1	
H-4 0-6 (890-1348-4)	9/29/21	Mountain		Solid			X	X	X	X	X	1	
AH-1 0-1 (890-1348-5)	9/29/21	Mountain		Solid			X	X	X	X	X	1	
AH-1 1-1 5 (890-1348-6)	9/29/21	Mountain		Solid			X	X	X	X	X	1	
AH-1 2-2 5 (890-1348-7)	9/29/21	Mountain		Solid			X	X	X	X	X	1	
AH-1 3-3 5 (890-1348-8)	9/29/21	Mountain		Solid			X	X	X	X	X	1	
AH-1 4-4 5 (890-1348-9)	9/29/21	Mountain		Solid			X	X	X	X	X	1	

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.

Possible Hazard Identification
Unconfirmed

Deliverable Requested I II III IV Other (specify) — Primary Deliverable Rank 2

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For ______ Months*

Special Instructions/QC Requirements

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
Relinquished by: Cire Cinp 10.1.21	Date/Time	Company	Received by: Kulm Cyhle	Date/Time: 10-4-21 9:30am	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No		Cooler Temperature(s) °C and Other Remarks: 2.1 / 2.6		

Ver 06/08/2021

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)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s)	COC No: 890-441 2
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 2 of 2
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana, NELAP - Texas		Job #: 890-1348-1
Address: 1211 W Florida Ave ,	Due Date Requested: 10/7/2021			
City: Midland	TAT Requested (days)			
State, Zip: TX 79701	PO #			
Phone: 432-704-5440(Tel)	WO #			
Email:	Project #: 88000013			
Project Name: Endurance 25 Federal #2	SSOW#			
Site				

Analysis Requested

Preservation Codes

A HCL, B - NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M - Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH GRO-DRO-MRO	8021B/5035FP_Calc BTEX	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
AH-2 0-1 (890-1348-10)	9/29/21	Mountain		Solid			X	X	X	X	X	1	
AH-3 0-1 (890-1348-11)	9/29/21	Mountain		Solid			X	X	X	X	X	1	
AH-3 1-1 5 (890-1348-12)	9/29/21	Mountain		Solid			X	X	X	X	X	1	
AH-3 2-2.5 (890-1348-13)	9/29/21	Mountain		Solid			X	X	X	X	X	1	
AH-3 3-3 5 (890-1348-14)	9/29/21	Mountain		Solid			X	X	X	X	X	1	
AH-3 4-4 5 (890-1348-15)	9/29/21	Mountain		Solid			X	X	X	X	X	1	

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

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time:	Company	Received by:	Date/Time:	Company
Cruz Cuf 10.1.21				10-4-21 9:30 a.m.	
Relinquished by	Date/Time	Company	Received by	Date/Time:	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 2.1 2.0

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-1348-1
SDG Number: Lea/Eddy County NM

Login Number: 1348
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

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	

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-1348-1
SDG Number: Lea/Eddy County NM

Login Number: 1348
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Xenco, Midland
List Creation: 10/04/21 09:15 AM

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	2.1 ./ 2.6
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").	True	

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-1488-1
Laboratory Sample Delivery Group: 212C-MD-02594
Client Project/Site: Endurance 25 Fed 1

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

Attn: Clair Gonzales

Authorized for release by:
11/1/2021 1:33:00 PM

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

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

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

Table of Contents

Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 890-1488-1
Project/Site: Endurance 25 Fed 1 SDG: 212C-MD-02594

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Job ID: 890-1488-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1488-1

Receipt
The samples were received on 10/27/2021 9:02 AM. 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 1.2°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-10705 and analytical batch 880-10840 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-5 (890-1488-21), SW-7 (890-1488-23), SW-8 (890-1488-24), SW-9 (890-1488-25), SW-10 (890-1488-26), SW-11 (890-1488-27), SW-14 (890-1488-30), SW-15 (890-1488-31), SW-16 (890-1488-32), SW-17 (890-1488-33), SW-18 (890-1488-34) and (880-7623-A-1-D). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-10685 and analytical batch 880-10822 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-10846 and analytical batch 880-10885 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

HPLC/IC
Method 300_ORGFM_28D: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-10930 and analytical batch 880-11009. The associated laboratory control sample (LCS) met acceptance criteria.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-10925 and analytical batch 880-11012 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Client Sample ID: BH-1 4.5

Lab Sample ID: 890-1488-1
Matrix: Solid
Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02
Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1 F2	0.00199		mg/Kg		10/28/21 09:45	10/28/21 23:11	1
Toluene	<0.00199	U F1	0.00199		mg/Kg		10/28/21 09:45	10/28/21 23:11	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		10/28/21 09:45	10/28/21 23:11	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		10/28/21 09:45	10/28/21 23:11	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		10/28/21 09:45	10/28/21 23:11	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		10/28/21 09:45	10/28/21 23:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*10/28/21 09:45*	*10/28/21 23:11*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*10/28/21 09:45*	*10/28/21 23:11*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/01/21 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/01/21 12:32	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		10/28/21 14:35	10/29/21 11:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 11:52	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 11:52	1
Total TPH	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*10/28/21 14:35*	*10/29/21 11:52*	*1*
o-Terphenyl	*108*		*70 - 130*	*10/28/21 14:35*	*10/29/21 11:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1220**	**F1**	24.8		mg/Kg			10/30/21 20:46	5

Client Sample ID: BH-2 4.5

Lab Sample ID: 890-1488-2
Matrix: Solid
Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02
Sample Depth: 4.5

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		10/28/21 09:45	10/28/21 23:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/28/21 09:45	10/28/21 23:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/28/21 09:45	10/28/21 23:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/28/21 09:45	10/28/21 23:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/28/21 09:45	10/28/21 23:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/28/21 09:45	10/28/21 23:31	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Client Sample ID: BH-2 4.5

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02
Sample Depth: 4.5

Lab Sample ID: 890-1488-2

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*10/28/21 09:45*	*10/28/21 23:31*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*10/28/21 09:45*	*10/28/21 23:31*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/01/21 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/01/21 12:32	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		10/28/21 14:35	10/29/21 12:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 12:53	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 12:53	1
Total TPH	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 12:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*108*		*70 - 130*	*10/28/21 14:35*	*10/29/21 12:53*	*1*
o-Terphenyl	*116*		*70 - 130*	*10/28/21 14:35*	*10/29/21 12:53*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**963**		5.04		mg/Kg			10/30/21 21:03	1

Client Sample ID: BH-3 4.5

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02
Sample Depth: 4.5

Lab Sample ID: 890-1488-3

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/28/21 23:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/28/21 23:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/28/21 23:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/28/21 09:45	10/28/21 23:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/28/21 23:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/28/21 09:45	10/28/21 23:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*163*	*S1+*	*70 - 130*	*10/28/21 09:45*	*10/28/21 23:52*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*10/28/21 09:45*	*10/28/21 23:52*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/01/21 13:53	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Client Sample ID: BH-3 4.5

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02
Sample Depth: 4.5

Lab Sample ID: 890-1488-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/01/21 12:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/28/21 14:35	10/29/21 13:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/28/21 14:35	10/29/21 13:13	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/28/21 14:35	10/29/21 13:13	1
Total TPH	<50.0	U	50.0		mg/Kg		10/28/21 14:35	10/29/21 13:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*10/28/21 14:35*	*10/29/21 13:13*	*1*
o-Terphenyl	*118*		*70 - 130*	*10/28/21 14:35*	*10/29/21 13:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1160**		4.99		mg/Kg			10/30/21 21:09	1

Client Sample ID: BH-4 4.5

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02
Sample Depth: 4.5

Lab Sample ID: 890-1488-4

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/28/21 09:45	10/29/21 00:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/28/21 09:45	10/29/21 00:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/28/21 09:45	10/29/21 00:12	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/28/21 09:45	10/29/21 00:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/28/21 09:45	10/29/21 00:12	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/28/21 09:45	10/29/21 00:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*10/28/21 09:45*	*10/29/21 00:12*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*10/28/21 09:45*	*10/29/21 00:12*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/01/21 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/01/21 12:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/28/21 14:35	10/29/21 13:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/28/21 14:35	10/29/21 13:33	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/28/21 14:35	10/29/21 13:33	1

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1488-1
Project/Site: Endurance 25 Fed 1 SDG: 212C-MD-02594

Client Sample ID: BH-4 4.5 — Lab Sample ID: 890-1488-4

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02
Sample Depth: 4.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg		10/28/21 14:35	10/29/21 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*10/28/21 14:35*	*10/29/21 13:33*	*1*
o-Terphenyl	*126*		*70 - 130*	*10/28/21 14:35*	*10/29/21 13:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2490**		24.9		mg/Kg			10/30/21 21:15	5

Client Sample ID: BH-5 4.5 — Lab Sample ID: 890-1488-5

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02
Sample Depth: 4.5

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		10/28/21 09:45	10/29/21 00:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/28/21 09:45	10/29/21 00:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/28/21 09:45	10/29/21 00:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/28/21 09:45	10/29/21 00:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/28/21 09:45	10/29/21 00:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/28/21 09:45	10/29/21 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*10/28/21 09:45*	*10/29/21 00:33*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*10/28/21 09:45*	*10/29/21 00:33*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/01/21 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/01/21 12:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/28/21 14:35	10/29/21 13:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/28/21 14:35	10/29/21 13:54	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/28/21 14:35	10/29/21 13:54	1
Total TPH	<49.8	U	49.8		mg/Kg		10/28/21 14:35	10/29/21 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*10/28/21 14:35*	*10/29/21 13:54*	*1*
o-Terphenyl	*117*		*70 - 130*	*10/28/21 14:35*	*10/29/21 13:54*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Client Sample ID: BH-5 4.5

Lab Sample ID: 890-1488-5
Matrix: Solid

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02
Sample Depth: 4.5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1040		4.95		mg/Kg			10/30/21 21:21	1

Client Sample ID: BH-6 4.5

Lab Sample ID: 890-1488-6
Matrix: Solid

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02
Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/28/21 09:45	10/29/21 00:53	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/28/21 09:45	10/29/21 00:53	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/28/21 09:45	10/29/21 00:53	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/28/21 09:45	10/29/21 00:53	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/28/21 09:45	10/29/21 00:53	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/28/21 09:45	10/29/21 00:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*10/28/21 09:45*	*10/29/21 00:53*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*10/28/21 09:45*	*10/29/21 00:53*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/01/21 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/01/21 12:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/28/21 14:35	10/29/21 14:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/28/21 14:35	10/29/21 14:14	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/28/21 14:35	10/29/21 14:14	1
Total TPH	<50.0	U	50.0		mg/Kg		10/28/21 14:35	10/29/21 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*10/28/21 14:35*	*10/29/21 14:14*	*1*
o-Terphenyl	*118*		*70 - 130*	*10/28/21 14:35*	*10/29/21 14:14*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1470		5.05		mg/Kg			10/30/21 21:38	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Client Sample ID: BH-7 4.5

Lab Sample ID: 890-1488-7
Matrix: Solid
Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02
Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 01:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 01:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 01:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/28/21 09:45	10/29/21 01:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 01:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/28/21 09:45	10/29/21 01:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*10/28/21 09:45*	*10/29/21 01:13*	*1*
1,4-Difluorobenzene (Surr)	*60*	*S1-*	*70 - 130*	*10/28/21 09:45*	*10/29/21 01:13*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/01/21 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/01/21 12:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/28/21 14:35	10/29/21 14:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/28/21 14:35	10/29/21 14:35	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/28/21 14:35	10/29/21 14:35	1
Total TPH	<49.8	U	49.8		mg/Kg		10/28/21 14:35	10/29/21 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*10/28/21 14:35*	*10/29/21 14:35*	*1*
o-Terphenyl	*116*		*70 - 130*	*10/28/21 14:35*	*10/29/21 14:35*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1770**		24.9		mg/Kg			10/30/21 21:44	5

Client Sample ID: BH-8 4.5

Lab Sample ID: 890-1488-8
Matrix: Solid
Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02
Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 01:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 01:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 01:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/28/21 09:45	10/29/21 01:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 01:34	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/28/21 09:45	10/29/21 01:34	1

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1488-1
Project/Site: Endurance 25 Fed 1 SDG: 212C-MD-02594

Client Sample ID: BH-8 4.5 — Lab Sample ID: 890-1488-8

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02
Sample Depth: 4.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*10/28/21 09:45*	*10/29/21 01:34*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*10/28/21 09:45*	*10/29/21 01:34*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/01/21 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/01/21 12:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/28/21 14:35	10/29/21 14:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/28/21 14:35	10/29/21 14:55	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/28/21 14:35	10/29/21 14:55	1
Total TPH	<50.0	U	50.0		mg/Kg		10/28/21 14:35	10/29/21 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*10/28/21 14:35*	*10/29/21 14:55*	*1*
o-Terphenyl	*118*		*70 - 130*	*10/28/21 14:35*	*10/29/21 14:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2200**		24.8		mg/Kg			10/30/21 21:50	5

Client Sample ID: BH-9 4.5 — Lab Sample ID: 890-1488-9

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02
Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 01:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 01:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 01:54	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/28/21 09:45	10/29/21 01:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 01:54	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/28/21 09:45	10/29/21 01:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*10/28/21 09:45*	*10/29/21 01:54*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*10/28/21 09:45*	*10/29/21 01:54*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/01/21 13:53	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Client Sample ID: BH-9 4.5

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02
Sample Depth: 4.5

Lab Sample ID: 890-1488-9

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/01/21 12:32	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		10/28/21 14:35	10/29/21 15:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 15:16	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 15:16	1
Total TPH	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*10/28/21 14:35*	*10/29/21 15:16*	*1*
o-Terphenyl	*119*		*70 - 130*	*10/28/21 14:35*	*10/29/21 15:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2320**		25.0		mg/Kg			10/30/21 21:56	5

Client Sample ID: BH-10 4.5

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02
Sample Depth: 4.5

Lab Sample ID: 890-1488-10

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/28/21 09:45	10/29/21 02:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/28/21 09:45	10/29/21 02:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/28/21 09:45	10/29/21 02:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/28/21 09:45	10/29/21 02:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/28/21 09:45	10/29/21 02:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/28/21 09:45	10/29/21 02:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*10/28/21 09:45*	*10/29/21 02:15*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*10/28/21 09:45*	*10/29/21 02:15*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/01/21 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/01/21 12:32	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		10/28/21 14:35	10/29/21 15:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 15:36	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 15:36	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1488-1
Project/Site: Endurance 25 Fed 1 SDG: 212C-MD-02594

Client Sample ID: BH-10 4.5 — Lab Sample ID: 890-1488-10

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02
Sample Depth: 4.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*10/28/21 14:35*	*10/29/21 15:36*	*1*
o-Terphenyl	*131*	*S1+*	*70 - 130*	*10/28/21 14:35*	*10/29/21 15:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1490**		24.9		mg/Kg			10/30/21 22:02	5

Client Sample ID: BH-11 4.5 — Lab Sample ID: 890-1488-11

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02
Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/28/21 09:45	10/29/21 03:37	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/28/21 09:45	10/29/21 03:37	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/28/21 09:45	10/29/21 03:37	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/28/21 09:45	10/29/21 03:37	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/28/21 09:45	10/29/21 03:37	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/28/21 09:45	10/29/21 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*10/28/21 09:45*	*10/29/21 03:37*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*10/28/21 09:45*	*10/29/21 03:37*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/01/21 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/01/21 12:32	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		10/28/21 14:35	10/29/21 16:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 16:17	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 16:17	1
Total TPH	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*10/28/21 14:35*	*10/29/21 16:17*	*1*
o-Terphenyl	*112*		*70 - 130*	*10/28/21 14:35*	*10/29/21 16:17*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Client Sample ID: BH-11 4.5

Lab Sample ID: 890-1488-11
Matrix: Solid
Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02
Sample Depth: 4.5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	305		4.95		mg/Kg			10/30/21 22:08	1

Client Sample ID: BH-12 4.5

Lab Sample ID: 890-1488-12
Matrix: Solid
Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02
Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/28/21 09:45	10/29/21 03:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/28/21 09:45	10/29/21 03:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/28/21 09:45	10/29/21 03:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/28/21 09:45	10/29/21 03:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/28/21 09:45	10/29/21 03:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/28/21 09:45	10/29/21 03:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*146*	*S1+*	*70 - 130*	*10/28/21 09:45*	*10/29/21 03:57*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*10/28/21 09:45*	*10/29/21 03:57*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/01/21 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/01/21 12:32	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		10/28/21 14:35	10/29/21 16:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 16:38	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 16:38	1
Total TPH	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*10/28/21 14:35*	*10/29/21 16:38*	*1*
o-Terphenyl	*112*		*70 - 130*	*10/28/21 14:35*	*10/29/21 16:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		5.02		mg/Kg			10/30/21 22:25	1

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1488-1
Project/Site: Endurance 25 Fed 1 SDG: 212C-MD-02594

Client Sample ID: BH-13 4.5
Lab Sample ID: 890-1488-13
Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02
Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 04:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 04:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 04:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/28/21 09:45	10/29/21 04:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 04:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/28/21 09:45	10/29/21 04:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*10/28/21 09:45*	*10/29/21 04:18*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*10/28/21 09:45*	*10/29/21 04:18*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/01/21 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/01/21 12:32	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		10/28/21 14:35	10/29/21 16:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 16:58	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 16:58	1
Total TPH	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*10/28/21 14:35*	*10/29/21 16:58*	*1*
o-Terphenyl	*131*	*S1+*	*70 - 130*	*10/28/21 14:35*	*10/29/21 16:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1620**		24.9		mg/Kg			10/30/21 22:31	5

Client Sample ID: BH-14 4.5
Lab Sample ID: 890-1488-14
Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02
Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/28/21 09:45	10/29/21 04:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/28/21 09:45	10/29/21 04:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/28/21 09:45	10/29/21 04:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/28/21 09:45	10/29/21 04:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/28/21 09:45	10/29/21 04:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/28/21 09:45	10/29/21 04:38	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Client Sample ID: BH-14 4.5

Lab Sample ID: 890-1488-14
Matrix: Solid

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02
Sample Depth: 4.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*146*	*S1+*	*70 - 130*	*10/28/21 09:45*	*10/29/21 04:38*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*10/28/21 09:45*	*10/29/21 04:38*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/01/21 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/01/21 12:32	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		10/28/21 14:35	10/29/21 17:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 17:19	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 17:19	1
Total TPH	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*10/28/21 14:35*	*10/29/21 17:19*	*1*
o-Terphenyl	*126*		*70 - 130*	*10/28/21 14:35*	*10/29/21 17:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**963**		4.97		mg/Kg			10/30/21 22:49	1

Client Sample ID: BH-15 4.5

Lab Sample ID: 890-1488-15
Matrix: Solid

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02
Sample Depth: 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 04:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 04:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 04:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/28/21 09:45	10/29/21 04:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 04:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/28/21 09:45	10/29/21 04:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*10/28/21 09:45*	*10/29/21 04:59*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*10/28/21 09:45*	*10/29/21 04:59*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/01/21 13:53	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Client Sample ID: BH-15 4.5

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02
Sample Depth: 4.5

Lab Sample ID: 890-1488-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/01/21 12:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/28/21 14:35	10/29/21 17:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/28/21 14:35	10/29/21 17:39	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/28/21 14:35	10/29/21 17:39	1
Total TPH	<50.0	U	50.0		mg/Kg		10/28/21 14:35	10/29/21 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*10/28/21 14:35*	*10/29/21 17:39*	*1*
o-Terphenyl	*117*		*70 - 130*	*10/28/21 14:35*	*10/29/21 17:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1290**		5.00		mg/Kg			10/30/21 22:55	1

Client Sample ID: BH-16 4.5

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02
Sample Depth: 4.5

Lab Sample ID: 890-1488-16
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/28/21 09:45	10/29/21 05:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/28/21 09:45	10/29/21 05:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/28/21 09:45	10/29/21 05:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/28/21 09:45	10/29/21 05:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/28/21 09:45	10/29/21 05:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/28/21 09:45	10/29/21 05:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*159*	*S1+*	*70 - 130*	*10/28/21 09:45*	*10/29/21 05:19*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*10/28/21 09:45*	*10/29/21 05:19*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/01/21 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/01/21 12:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/28/21 14:35	10/29/21 17:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/28/21 14:35	10/29/21 17:59	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/28/21 14:35	10/29/21 17:59	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1488-1
Project/Site: Endurance 25 Fed 1 SDG: 212C-MD-02594

Client Sample ID: BH-16 4.5 Lab Sample ID: 890-1488-16

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02
Sample Depth: 4.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg		10/28/21 14:35	10/29/21 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*10/28/21 14:35*	*10/29/21 17:59*	*1*
o-Terphenyl	*111*		*70 - 130*	*10/28/21 14:35*	*10/29/21 17:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1170**		4.99		mg/Kg			10/30/21 23:00	1

Client Sample ID: SW-1 Lab Sample ID: 890-1488-17

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 05:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 05:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 05:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/28/21 09:45	10/29/21 05:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 05:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/28/21 09:45	10/29/21 05:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*10/28/21 09:45*	*10/29/21 05:39*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*10/28/21 09:45*	*10/29/21 05:39*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/01/21 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/01/21 12:32	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		10/28/21 14:35	10/29/21 18:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 18:19	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 18:19	1
Total TPH	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*10/28/21 14:35*	*10/29/21 18:19*	*1*
o-Terphenyl	*115*		*70 - 130*	*10/28/21 14:35*	*10/29/21 18:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**241**		4.95		mg/Kg			10/30/21 23:06	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Client Sample ID: SW-2

Lab Sample ID: 890-1488-18
Matrix: Solid
Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02

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		10/28/21 09:45	10/29/21 06:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/28/21 09:45	10/29/21 06:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/28/21 09:45	10/29/21 06:00	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/28/21 09:45	10/29/21 06:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/28/21 09:45	10/29/21 06:00	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/28/21 09:45	10/29/21 06:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*10/28/21 09:45*	*10/29/21 06:00*	*1*
1,4-Difluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*10/28/21 09:45*	*10/29/21 06:00*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/01/21 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/01/21 12:32	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		10/28/21 14:35	10/29/21 18:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 18:39	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 18:39	1
Total TPH	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*10/28/21 14:35*	*10/29/21 18:39*	*1*
o-Terphenyl	*111*		*70 - 130*	*10/28/21 14:35*	*10/29/21 18:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**305**		5.02		mg/Kg			10/30/21 23:12	1

Client Sample ID: SW-3

Lab Sample ID: 890-1488-19
Matrix: Solid
Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02

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		10/28/21 09:45	10/29/21 06:20	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/28/21 09:45	10/29/21 06:20	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/28/21 09:45	10/29/21 06:20	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		10/28/21 09:45	10/29/21 06:20	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/28/21 09:45	10/29/21 06:20	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		10/28/21 09:45	10/29/21 06:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*	*10/28/21 09:45*	*10/29/21 06:20*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*10/28/21 09:45*	*10/29/21 06:20*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Client Sample ID: SW-3

Lab Sample ID: 890-1488-19
Matrix: Solid
Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			11/01/21 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/01/21 12:32	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		10/28/21 14:35	10/29/21 18:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 18:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 18:59	1
Total TPH	<49.9	U	49.9		mg/Kg		10/28/21 14:35	10/29/21 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*10/28/21 14:35*	*10/29/21 18:59*	*1*
o-Terphenyl	*112*		*70 - 130*	*10/28/21 14:35*	*10/29/21 18:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.3**		4.97		mg/Kg			10/30/21 23:18	1

Client Sample ID: SW-4

Lab Sample ID: 890-1488-20
Matrix: Solid
Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 06:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 06:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 06:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/28/21 09:45	10/29/21 06:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/29/21 06:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/28/21 09:45	10/29/21 06:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*10/28/21 09:45*	*10/29/21 06:41*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*10/28/21 09:45*	*10/29/21 06:41*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/01/21 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/01/21 12:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/28/21 14:35	10/29/21 19:19	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Client Sample ID: SW-4

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02

Lab Sample ID: 890-1488-20
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/28/21 14:35	10/29/21 19:19	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/28/21 14:35	10/29/21 19:19	1
Total TPH	<49.8	U	49.8		mg/Kg		10/28/21 14:35	10/29/21 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*10/28/21 14:35*	*10/29/21 19:19*	*1*
o-Terphenyl	*115*		*70 - 130*	*10/28/21 14:35*	*10/29/21 19:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.4**		5.04		mg/Kg			10/30/21 23:24	1

Client Sample ID: SW-5

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02

Lab Sample ID: 890-1488-21
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/28/21 10:33	10/28/21 20:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/28/21 10:33	10/28/21 20:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/28/21 10:33	10/28/21 20:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/28/21 10:33	10/28/21 20:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/28/21 10:33	10/28/21 20:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/28/21 10:33	10/28/21 20:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*179*	*S1+*	*70 - 130*	*10/28/21 10:33*	*10/28/21 20:34*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*10/28/21 10:33*	*10/28/21 20:34*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/01/21 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/01/21 12:32	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 F2	49.9		mg/Kg		10/28/21 14:47	10/29/21 11:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/28/21 14:47	10/29/21 11:52	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/28/21 14:47	10/29/21 11:52	1
Total TPH	<49.9	U	49.9		mg/Kg		10/28/21 14:47	10/29/21 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*10/28/21 14:47*	*10/29/21 11:52*	*1*
o-Terphenyl	*105*		*70 - 130*	*10/28/21 14:47*	*10/29/21 11:52*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Client Sample ID: SW-5

Lab Sample ID: 890-1488-21
Matrix: Solid
Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	339		4.98		mg/Kg			10/30/21 22:04	1

Client Sample ID: SW-6

Lab Sample ID: 890-1488-22
Matrix: Solid
Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02

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		10/28/21 10:33	10/28/21 21:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/28/21 10:33	10/28/21 21:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/28/21 10:33	10/28/21 21:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/28/21 10:33	10/28/21 21:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/28/21 10:33	10/28/21 21:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/28/21 10:33	10/28/21 21:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*10/28/21 10:33*	*10/28/21 21:00*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*10/28/21 10:33*	*10/28/21 21:00*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/01/21 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/01/21 12:32	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		10/28/21 14:47	10/29/21 19:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/28/21 14:47	10/29/21 19:19	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/28/21 14:47	10/29/21 19:19	1
Total TPH	<49.9	U	49.9		mg/Kg		10/28/21 14:47	10/29/21 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*10/28/21 14:47*	*10/29/21 19:19*	*1*
o-Terphenyl	*113*		*70 - 130*	*10/28/21 14:47*	*10/29/21 19:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	118		5.00		mg/Kg			10/30/21 22:11	1

Client Sample ID: SW-7

Lab Sample ID: 890-1488-23
Matrix: Solid
Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02

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		10/28/21 10:33	10/28/21 21:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/28/21 10:33	10/28/21 21:26	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Client Sample ID: SW-7

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02

Lab Sample ID: 890-1488-23
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/28/21 10:33	10/28/21 21:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/28/21 10:33	10/28/21 21:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/28/21 10:33	10/28/21 21:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/28/21 10:33	10/28/21 21:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*10/28/21 10:33*	*10/28/21 21:26*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*10/28/21 10:33*	*10/28/21 21:26*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/01/21 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/01/21 12:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/28/21 14:47	10/29/21 13:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/28/21 14:47	10/29/21 13:13	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/28/21 14:47	10/29/21 13:13	1
Total TPH	<50.0	U	50.0		mg/Kg		10/28/21 14:47	10/29/21 13:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*10/28/21 14:47*	*10/29/21 13:13*	*1*
o-Terphenyl	*99*		*70 - 130*	*10/28/21 14:47*	*10/29/21 13:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**155**		5.00		mg/Kg			10/30/21 22:18	1

Client Sample ID: SW-8

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02

Lab Sample ID: 890-1488-24
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/28/21 10:33	10/28/21 21:53	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/28/21 10:33	10/28/21 21:53	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/28/21 10:33	10/28/21 21:53	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/28/21 10:33	10/28/21 21:53	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/28/21 10:33	10/28/21 21:53	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/28/21 10:33	10/28/21 21:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*10/28/21 10:33*	*10/28/21 21:53*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*10/28/21 10:33*	*10/28/21 21:53*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Client Sample ID: SW-8

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02

Lab Sample ID: 890-1488-24
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/01/21 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/01/21 12:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/28/21 14:47	10/29/21 13:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/28/21 14:47	10/29/21 13:33	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/28/21 14:47	10/29/21 13:33	1
Total TPH	<50.0	U	50.0		mg/Kg		10/28/21 14:47	10/29/21 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*10/28/21 14:47*	*10/29/21 13:33*	*1*
o-Terphenyl	*100*		*70 - 130*	*10/28/21 14:47*	*10/29/21 13:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**194**		4.99		mg/Kg			10/30/21 22:38	1

Client Sample ID: SW-9

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02

Lab Sample ID: 890-1488-25
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/28/21 10:33	10/28/21 22:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/28/21 10:33	10/28/21 22:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/28/21 10:33	10/28/21 22:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/28/21 10:33	10/28/21 22:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/28/21 10:33	10/28/21 22:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/28/21 10:33	10/28/21 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*10/28/21 10:33*	*10/28/21 22:19*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*10/28/21 10:33*	*10/28/21 22:19*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/01/21 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/01/21 12:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/28/21 14:47	10/29/21 13:54	1

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1488-1
Project/Site: Endurance 25 Fed 1 SDG: 212C-MD-02594

Client Sample ID: SW-9 Lab Sample ID: 890-1488-25

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/28/21 14:47	10/29/21 13:54	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/28/21 14:47	10/29/21 13:54	1
Total TPH	<49.8	U	49.8		mg/Kg		10/28/21 14:47	10/29/21 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*10/28/21 14:47*	*10/29/21 13:54*	*1*
o-Terphenyl	*97*		*70 - 130*	*10/28/21 14:47*	*10/29/21 13:54*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	247		4.98		mg/Kg			10/30/21 22:45	1

Client Sample ID: SW-10 Lab Sample ID: 890-1488-26

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/28/21 10:33	10/29/21 00:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/28/21 10:33	10/29/21 00:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/28/21 10:33	10/29/21 00:58	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/28/21 10:33	10/29/21 00:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/28/21 10:33	10/29/21 00:58	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/28/21 10:33	10/29/21 00:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*165*	*S1+*	*70 - 130*	*10/28/21 10:33*	*10/29/21 00:58*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*10/28/21 10:33*	*10/29/21 00:58*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/01/21 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/01/21 12:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/28/21 14:47	10/29/21 14:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/28/21 14:47	10/29/21 14:14	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/28/21 14:47	10/29/21 14:14	1
Total TPH	<50.0	U	50.0		mg/Kg		10/28/21 14:47	10/29/21 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*10/28/21 14:47*	*10/29/21 14:14*	*1*
o-Terphenyl	*104*		*70 - 130*	*10/28/21 14:47*	*10/29/21 14:14*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Client Sample ID: SW-10

Lab Sample ID: 890-1488-26
Matrix: Solid
Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.8		4.95		mg/Kg			10/30/21 23:06	1

Client Sample ID: SW-11

Lab Sample ID: 890-1488-27
Matrix: Solid
Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02

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		10/28/21 10:33	10/29/21 01:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/28/21 10:33	10/29/21 01:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/28/21 10:33	10/29/21 01:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/28/21 10:33	10/29/21 01:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/28/21 10:33	10/29/21 01:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/28/21 10:33	10/29/21 01:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*	*10/28/21 10:33*	*10/29/21 01:24*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*10/28/21 10:33*	*10/29/21 01:24*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/01/21 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/01/21 12:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/28/21 14:47	10/29/21 14:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/28/21 14:47	10/29/21 14:35	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/28/21 14:47	10/29/21 14:35	1
Total TPH	<49.8	U	49.8		mg/Kg		10/28/21 14:47	10/29/21 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*10/28/21 14:47*	*10/29/21 14:35*	*1*
o-Terphenyl	*105*		*70 - 130*	*10/28/21 14:47*	*10/29/21 14:35*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	201		4.95		mg/Kg			10/30/21 23:13	1

Client Sample ID: SW-12

Lab Sample ID: 890-1488-28
Matrix: Solid
Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/28/21 10:33	10/29/21 01:50	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/28/21 10:33	10/29/21 01:50	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Client Sample ID: SW-12

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02

Lab Sample ID: 890-1488-28
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/28/21 10:33	10/29/21 01:50	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/28/21 10:33	10/29/21 01:50	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/28/21 10:33	10/29/21 01:50	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/28/21 10:33	10/29/21 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*10/28/21 10:33*	*10/29/21 01:50*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*10/28/21 10:33*	*10/29/21 01:50*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/01/21 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/01/21 12:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/28/21 14:47	10/29/21 14:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/28/21 14:47	10/29/21 14:55	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/28/21 14:47	10/29/21 14:55	1
Total TPH	<50.0	U	50.0		mg/Kg		10/28/21 14:47	10/29/21 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*10/28/21 14:47*	*10/29/21 14:55*	*1*
o-Terphenyl	*104*		*70 - 130*	*10/28/21 14:47*	*10/29/21 14:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**166**		5.01		mg/Kg			10/30/21 23:20	1

Client Sample ID: SW-13

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02

Lab Sample ID: 890-1488-29
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		10/28/21 10:33	10/29/21 02:16	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/28/21 10:33	10/29/21 02:16	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/28/21 10:33	10/29/21 02:16	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		10/28/21 10:33	10/29/21 02:16	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/28/21 10:33	10/29/21 02:16	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		10/28/21 10:33	10/29/21 02:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*10/28/21 10:33*	*10/29/21 02:16*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*10/28/21 10:33*	*10/29/21 02:16*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Client Sample ID: SW-13

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02

Lab Sample ID: 890-1488-29
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			11/01/21 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/01/21 12:32	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		10/28/21 14:47	10/29/21 15:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/28/21 14:47	10/29/21 15:16	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/28/21 14:47	10/29/21 15:16	1
Total TPH	<49.9	U	49.9		mg/Kg		10/28/21 14:47	10/29/21 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*10/28/21 14:47*	*10/29/21 15:16*	*1*
o-Terphenyl	*107*		*70 - 130*	*10/28/21 14:47*	*10/29/21 15:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**178**		4.97		mg/Kg			10/30/21 23:26	1

Client Sample ID: SW-14

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02

Lab Sample ID: 890-1488-30
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/28/21 10:33	10/29/21 02:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/28/21 10:33	10/29/21 02:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/28/21 10:33	10/29/21 02:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/28/21 10:33	10/29/21 02:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/28/21 10:33	10/29/21 02:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/28/21 10:33	10/29/21 02:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*	*10/28/21 10:33*	*10/29/21 02:43*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*10/28/21 10:33*	*10/29/21 02:43*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/01/21 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/01/21 12:32	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		10/28/21 14:47	10/29/21 15:36	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Client Sample ID: SW-14

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02

Lab Sample ID: 890-1488-30
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/28/21 14:47	10/29/21 15:36	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/28/21 14:47	10/29/21 15:36	1
Total TPH	<49.9	U	49.9		mg/Kg		10/28/21 14:47	10/29/21 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*10/28/21 14:47*	*10/29/21 15:36*	*1*
o-Terphenyl	*100*		*70 - 130*	*10/28/21 14:47*	*10/29/21 15:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.5**		4.99		mg/Kg			10/30/21 23:33	1

Client Sample ID: SW-15

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02

Lab Sample ID: 890-1488-31
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/28/21 10:33	10/29/21 03:09	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/28/21 10:33	10/29/21 03:09	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/28/21 10:33	10/29/21 03:09	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/28/21 10:33	10/29/21 03:09	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/28/21 10:33	10/29/21 03:09	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/28/21 10:33	10/29/21 03:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*167*	*S1+*	*70 - 130*	*10/28/21 10:33*	*10/29/21 03:09*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*10/28/21 10:33*	*10/29/21 03:09*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/01/21 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/01/21 12:32	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		10/28/21 14:47	10/29/21 16:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/28/21 14:47	10/29/21 16:17	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/28/21 14:47	10/29/21 16:17	1
Total TPH	<49.9	U	49.9		mg/Kg		10/28/21 14:47	10/29/21 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*10/28/21 14:47*	*10/29/21 16:17*	*1*
o-Terphenyl	*102*		*70 - 130*	*10/28/21 14:47*	*10/29/21 16:17*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Client Sample ID: SW-15

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02

Lab Sample ID: 890-1488-31
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.6		5.00		mg/Kg			10/30/21 23:40	1

Client Sample ID: SW-16

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02

Lab Sample ID: 890-1488-32
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/28/21 10:33	10/29/21 03:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/28/21 10:33	10/29/21 03:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/28/21 10:33	10/29/21 03:35	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/28/21 10:33	10/29/21 03:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/28/21 10:33	10/29/21 03:35	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/28/21 10:33	10/29/21 03:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*162*	*S1+*	*70 - 130*	*10/28/21 10:33*	*10/29/21 03:35*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*10/28/21 10:33*	*10/29/21 03:35*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/01/21 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/01/21 12:32	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		10/28/21 14:47	10/29/21 16:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/28/21 14:47	10/29/21 16:38	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/28/21 14:47	10/29/21 16:38	1
Total TPH	<49.9	U	49.9		mg/Kg		10/28/21 14:47	10/29/21 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*10/28/21 14:47*	*10/29/21 16:38*	*1*
o-Terphenyl	*99*		*70 - 130*	*10/28/21 14:47*	*10/29/21 16:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	862		5.00		mg/Kg			10/30/21 23:47	1

Client Sample ID: SW-17

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02

Lab Sample ID: 890-1488-33
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/28/21 10:33	10/29/21 04:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/28/21 10:33	10/29/21 04:02	1

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1488-1
Project/Site: Endurance 25 Fed 1 SDG: 212C-MD-02594

Client Sample ID: SW-17 Lab Sample ID: 890-1488-33

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/28/21 10:33	10/29/21 04:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/28/21 10:33	10/29/21 04:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/28/21 10:33	10/29/21 04:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/28/21 10:33	10/29/21 04:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*153*	*S1+*	*70 - 130*	*10/28/21 10:33*	*10/29/21 04:02*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*10/28/21 10:33*	*10/29/21 04:02*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/01/21 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/01/21 12:32	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		10/28/21 14:47	10/29/21 16:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/28/21 14:47	10/29/21 16:58	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/28/21 14:47	10/29/21 16:58	1
Total TPH	<49.9	U	49.9		mg/Kg		10/28/21 14:47	10/29/21 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*10/28/21 14:47*	*10/29/21 16:58*	*1*
o-Terphenyl	*101*		*70 - 130*	*10/28/21 14:47*	*10/29/21 16:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**739**	**F1**	4.99		mg/Kg			10/31/21 00:42	1

Client Sample ID: SW-18 Lab Sample ID: 890-1488-34

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/28/21 10:33	10/29/21 04:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/28/21 10:33	10/29/21 04:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/28/21 10:33	10/29/21 04:29	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/28/21 10:33	10/29/21 04:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/28/21 10:33	10/29/21 04:29	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/28/21 10:33	10/29/21 04:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*163*	*S1+*	*70 - 130*	*10/28/21 10:33*	*10/29/21 04:29*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*10/28/21 10:33*	*10/29/21 04:29*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Client Sample ID: SW-18

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02

Lab Sample ID: 890-1488-34

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/01/21 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/01/21 12:32	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		10/28/21 14:47	10/29/21 17:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/28/21 14:47	10/29/21 17:19	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/28/21 14:47	10/29/21 17:19	1
Total TPH	<49.9	U	49.9		mg/Kg		10/28/21 14:47	10/29/21 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*10/28/21 14:47*	*10/29/21 17:19*	*1*
o-Terphenyl	*123*		*70 - 130*	*10/28/21 14:47*	*10/29/21 17:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**708**		5.04		mg/Kg			10/31/21 01:03	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-7623-A-1-B MS	Matrix Spike	194 S1+	80
880-7623-A-1-C MSD	Matrix Spike Duplicate	74	81
890-1488-1	BH-1 4.5	121	101
890-1488-1 MS	BH-1 4.5	136 S1+	81
890-1488-1 MSD	BH-1 4.5	115	95
890-1488-2	BH-2 4.5	139 S1+	100
890-1488-3	BH-3 4.5	163 S1+	95
890-1488-4	BH-4 4.5	135 S1+	96
890-1488-5	BH-5 4.5	132 S1+	96
890-1488-6	BH-6 4.5	122	85
890-1488-7	BH-7 4.5	129	60 S1-
890-1488-8	BH-8 4.5	144 S1+	99
890-1488-9	BH-9 4.5	121	100
890-1488-10	BH-10 4.5	140 S1+	99
890-1488-11	BH-11 4.5	136 S1+	82
890-1488-12	BH-12 4.5	146 S1+	100
890-1488-13	BH-13 4.5	140 S1+	75
890-1488-14	BH-14 4.5	146 S1+	97
890-1488-15	BH-15 4.5	122	99
890-1488-16	BH-16 4.5	159 S1+	101
890-1488-17	SW-1	123	95
890-1488-18	SW-2	118	69 S1-
890-1488-19	SW-3	147 S1+	95
890-1488-20	SW-4	136 S1+	72
890-1488-21	SW-5	179 S1+	119
890-1488-22	SW-6	129	109
890-1488-23	SW-7	144 S1+	115
890-1488-24	SW-8	135 S1+	120
890-1488-25	SW-9	138 S1+	111
890-1488-26	SW-10	165 S1+	109
890-1488-27	SW-11	143 S1+	113
890-1488-28	SW-12	132 S1+	95
890-1488-29	SW-13	132 S1+	98
890-1488-30	SW-14	141 S1+	105
890-1488-31	SW-15	167 S1+	120
890-1488-32	SW-16	162 S1+	113
890-1488-33	SW-17	153 S1+	115
890-1488-34	SW-18	163 S1+	115
LCS 880-10685/1-A	Lab Control Sample	109	91
LCS 880-10705/1-A	Lab Control Sample	123	112
LCSD 880-10685/2-A	Lab Control Sample Dup	103	97
LCSD 880-10705/2-A	Lab Control Sample Dup	120	112
MB 880-10632/5-A	Method Blank	111	94
MB 880-10685/5-A	Method Blank	102	101
MB 880-10705/5-A	Method Blank	86	95

Surrogate Legend

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

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 890-1488-1
Project/Site: Endurance 25 Fed 1 SDG: 212C-MD-02594

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
890-1488-1	BH-1 4.5	100	108								
890-1488-1 MS	BH-1 4.5	102	95								
890-1488-1 MSD	BH-1 4.5	103	94								
890-1488-2	BH-2 4.5	108	116								
890-1488-3	BH-3 4.5	109	118								
890-1488-4	BH-4 4.5	117	126								
890-1488-5	BH-5 4.5	108	117								
890-1488-6	BH-6 4.5	110	118								
890-1488-7	BH-7 4.5	108	116								
890-1488-8	BH-8 4.5	110	118								
890-1488-9	BH-9 4.5	113	119								
890-1488-10	BH-10 4.5	121	131 S1+								
890-1488-11	BH-11 4.5	105	112								
890-1488-12	BH-12 4.5	104	112								
890-1488-13	BH-13 4.5	122	131 S1+								
890-1488-14	BH-14 4.5	116	126								
890-1488-15	BH-15 4.5	105	117								
890-1488-16	BH-16 4.5	103	111								
890-1488-17	SW-1	106	115								
890-1488-18	SW-2	104	111								
890-1488-19	SW-3	105	112								
890-1488-20	SW-4	105	115								
890-1488-21	SW-5	99	105								
890-1488-21 MS	SW-5	101	98								
890-1488-21 MSD	SW-5	86	83								
890-1488-22	SW-6	101	113								
890-1488-23	SW-7	91	99								
890-1488-24	SW-8	92	100								
890-1488-25	SW-9	92	97								
890-1488-26	SW-10	97	104								
890-1488-27	SW-11	98	105								
890-1488-28	SW-12	99	104								
890-1488-29	SW-13	99	107								
890-1488-30	SW-14	95	100								
890-1488-31	SW-15	95	102								
890-1488-32	SW-16	93	99								
890-1488-33	SW-17	93	101								
890-1488-34	SW-18	106	123								
LCS 880-10845/2-A	Lab Control Sample	103	101								
LCS 880-10846/2-A	Lab Control Sample	104	105								
LCSD 880-10845/3-A	Lab Control Sample Dup	104	96								
LCSD 880-10846/3-A	Lab Control Sample Dup	98	103								
MB 880-10845/1-A	Method Blank	113	125								
MB 880-10846/1-A	Method Blank	96	111								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-10632/5-A
Matrix: Solid
Analysis Batch: 10822

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10632

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/26/21 13:45	10/28/21 11:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/26/21 13:45	10/28/21 11:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/26/21 13:45	10/28/21 11:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/26/21 13:45	10/28/21 11:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/26/21 13:45	10/28/21 11:57	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/26/21 13:45	10/28/21 11:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*10/26/21 13:45*	*10/28/21 11:57*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*10/26/21 13:45*	*10/28/21 11:57*	*1*

Lab Sample ID: MB 880-10685/5-A
Matrix: Solid
Analysis Batch: 10822

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10685

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/28/21 22:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/28/21 22:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/28/21 22:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/28/21 09:45	10/28/21 22:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/28/21 09:45	10/28/21 22:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/28/21 09:45	10/28/21 22:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*10/28/21 09:45*	*10/28/21 22:49*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*10/28/21 09:45*	*10/28/21 22:49*	*1*

Lab Sample ID: LCS 880-10685/1-A
Matrix: Solid
Analysis Batch: 10822

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10685

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.09038		mg/Kg		90	70 - 130		
Toluene			0.100	0.09099		mg/Kg		91	70 - 130		
Ethylbenzene			0.100	0.08655		mg/Kg		87	70 - 130		
m-Xylene & p-Xylene			0.200	0.1826		mg/Kg		91	70 - 130		
o-Xylene			0.100	0.08998		mg/Kg		90	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: LCSD 880-10685/2-A
Matrix: Solid
Analysis Batch: 10822

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10685

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08585		mg/Kg		86	70 - 130	5	35

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

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

Lab Sample ID: LCSD 880-10685/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 10822 — **Prep Batch: 10685**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			0.100	0.08160		mg/Kg		82	70 - 130	11	35
Ethylbenzene			0.100	0.08129		mg/Kg		81	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.1710		mg/Kg		85	70 - 130	7	35
o-Xylene			0.100	0.08420		mg/Kg		84	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 890-1488-1 MS — **Client Sample ID: BH-1 4.5**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 10822 — **Prep Batch: 10685**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U F1 F2	0.0994	0.02559	F1	mg/Kg		26	70 - 130
Toluene	<0.00199	U F1	0.0994	0.03491	F1	mg/Kg		35	70 - 130
Ethylbenzene	<0.00199	U F1	0.0994	0.03985	F1	mg/Kg		40	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.09663	F1	mg/Kg		49	70 - 130
o-Xylene	<0.00199	U F1	0.0994	0.05287	F1	mg/Kg		53	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*

Lab Sample ID: 890-1488-1 MSD — **Client Sample ID: BH-1 4.5**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 10822 — **Prep Batch: 10685**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F1 F2	0.100	0.04192	F1 F2	mg/Kg		42	70 - 130	48	35
Toluene	<0.00199	U F1	0.100	0.04994	F1	mg/Kg		50	70 - 130	35	35
Ethylbenzene	<0.00199	U F1	0.100	0.05546	F1	mg/Kg		55	70 - 130	33	35
m-Xylene & p-Xylene	<0.00398	U F1	0.201	0.1168	F1	mg/Kg		58	70 - 130	19	35
o-Xylene	<0.00199	U F1	0.100	0.06057	F1	mg/Kg		60	70 - 130	14	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: MB 880-10705/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 10840 — **Prep Batch: 10705**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/28/21 10:33	10/28/21 18:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/28/21 10:33	10/28/21 18:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/28/21 10:33	10/28/21 18:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/28/21 10:33	10/28/21 18:49	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

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

Lab Sample ID: MB 880-10705/5-A
Matrix: Solid
Analysis Batch: 10840

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10705

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/28/21 10:33	10/28/21 18:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/28/21 10:33	10/28/21 18:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*10/28/21 10:33*	*10/28/21 18:49*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*10/28/21 10:33*	*10/28/21 18:49*	*1*

Lab Sample ID: LCS 880-10705/1-A
Matrix: Solid
Analysis Batch: 10840

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10705

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1045		mg/Kg		105	70 - 130		
Toluene			0.100	0.1065		mg/Kg		107	70 - 130		
Ethylbenzene			0.100	0.1101		mg/Kg		110	70 - 130		
m-Xylene & p-Xylene			0.200	0.2135		mg/Kg		107	70 - 130		
o-Xylene			0.100	0.1284		mg/Kg		128	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: LCSD 880-10705/2-A
Matrix: Solid
Analysis Batch: 10840

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10705

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1041		mg/Kg		104	70 - 130	0	35
Toluene			0.100	0.09983		mg/Kg		100	70 - 130	7	35
Ethylbenzene			0.100	0.1031		mg/Kg		103	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.1997		mg/Kg		100	70 - 130	7	35
o-Xylene			0.100	0.1282		mg/Kg		128	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: 880-7623-A-1-B MS
Matrix: Solid
Analysis Batch: 10840

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 10705

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U	0.100	0.07663		mg/Kg		76	70 - 130		
Toluene	<0.00200	U F1	0.100	0.06204	F1	mg/Kg		62	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.08930		mg/Kg		89	70 - 130		
m-Xylene & p-Xylene	<0.00399	U F2 F1	0.201	0.1235	F1	mg/Kg		61	70 - 130		
o-Xylene	<0.00200	U	0.100	0.1161		mg/Kg		116	70 - 130		

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

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

Lab Sample ID: 880-7623-A-1-B MS
Matrix: Solid
Analysis Batch: 10840

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 10705

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	194	S1+	70 - 130
1,4-Difluorobenzene (Surr)	80		70 - 130

Lab Sample ID: 880-7623-A-1-C MSD
Matrix: Solid
Analysis Batch: 10840

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 10705

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.07292		mg/Kg		74	70 - 130	5	35
Toluene	<0.00200	U F1	0.0990	0.07375		mg/Kg		74	70 - 130	17	35
Ethylbenzene	<0.00200	U	0.0990	0.08436		mg/Kg		85	70 - 130	6	35
m-Xylene & p-Xylene	<0.00399	U F2 F1	0.198	0.2343	F2	mg/Kg		118	70 - 130	62	35
o-Xylene	<0.00200	U	0.0990	0.08581		mg/Kg		87	70 - 130	30	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	74		70 - 130
1,4-Difluorobenzene (Surr)	81		70 - 130

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

Lab Sample ID: MB 880-10845/1-A
Matrix: Solid
Analysis Batch: 10887

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10845

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/28/21 14:35	10/29/21 10:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/28/21 14:35	10/29/21 10:52	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/28/21 14:35	10/29/21 10:52	1
Total TPH	<50.0	U	50.0		mg/Kg		10/28/21 14:35	10/29/21 10:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	10/28/21 14:35	10/29/21 10:52	1
o-Terphenyl	125		70 - 130	10/28/21 14:35	10/29/21 10:52	1

Lab Sample ID: LCS 880-10845/2-A
Matrix: Solid
Analysis Batch: 10887

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10845

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1025		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	904.3		mg/Kg		90	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	101		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

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

Lab Sample ID: LCSD 880-10845/3-A
Matrix: Solid
Analysis Batch: 10887

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10845

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1101		mg/Kg		110	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	899.7		mg/Kg		90	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*104*		*70 - 130*
o-Terphenyl	*96*		*70 - 130*

Lab Sample ID: 890-1488-1 MS
Matrix: Solid
Analysis Batch: 10887

Client Sample ID: BH-1 4.5
Prep Type: Total/NA
Prep Batch: 10845

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1175		mg/Kg		118	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	935.7		mg/Kg		94	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*102*		*70 - 130*
o-Terphenyl	*95*		*70 - 130*

Lab Sample ID: 890-1488-1 MSD
Matrix: Solid
Analysis Batch: 10887

Client Sample ID: BH-1 4.5
Prep Type: Total/NA
Prep Batch: 10845

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1295		mg/Kg		129	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	955.9		mg/Kg		96	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*94*		*70 - 130*

Lab Sample ID: MB 880-10846/1-A
Matrix: Solid
Analysis Batch: 10885

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10846

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/28/21 14:47	10/29/21 10:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/28/21 14:47	10/29/21 10:52	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/28/21 14:47	10/29/21 10:52	1
Total TPH	<50.0	U	50.0		mg/Kg		10/28/21 14:47	10/29/21 10:52	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

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

Lab Sample ID: MB 880-10846/1-A
Matrix: Solid
Analysis Batch: 10885

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10846

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	10/28/21 14:47	10/29/21 10:52	1
o-Terphenyl	111		70 - 130	10/28/21 14:47	10/29/21 10:52	1

Lab Sample ID: LCS 880-10846/2-A
Matrix: Solid
Analysis Batch: 10885

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10846

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1093		mg/Kg		109	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	922.2		mg/Kg		92	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: LCSD 880-10846/3-A
Matrix: Solid
Analysis Batch: 10885

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 10846

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	998.3		mg/Kg		100	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	915.7		mg/Kg		92	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: 890-1488-21 MS
Matrix: Solid
Analysis Batch: 10885

Client Sample ID: SW-5
Prep Type: Total/NA
Prep Batch: 10846

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	997	1253		mg/Kg		121	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	927.0		mg/Kg		91	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	98		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

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

Lab Sample ID: 890-1488-21 MSD — **Client Sample ID: SW-5**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 10885 — **Prep Batch: 10846**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	1000	1006	F2	mg/Kg		96	70 - 130	22	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	779.6		mg/Kg		76	70 - 130	17	20

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-10930/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 11009

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/30/21 20:19	1

Lab Sample ID: LCS 880-10930/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 11009

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	237.8		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-10930/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 11009

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	235.6		mg/Kg		94	90 - 110	1	20

Lab Sample ID: 890-1488-1 MS — **Client Sample ID: BH-1 4.5**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 11009

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1220	F1	1240	1310	F1	mg/Kg		7	90 - 110

Lab Sample ID: 890-1488-1 MSD — **Client Sample ID: BH-1 4.5**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 11009

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1220	F1	1240	1307	F1	mg/Kg		7	90 - 110	0	20

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-1488-11 MS
Matrix: Solid
Analysis Batch: 11009

Client Sample ID: BH-11 4.5
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	305		248	538.9		mg/Kg		94	90 - 110

Lab Sample ID: 890-1488-11 MSD
Matrix: Solid
Analysis Batch: 11009

Client Sample ID: BH-11 4.5
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	305		248	536.0		mg/Kg		93	90 - 110	1	20

Lab Sample ID: MB 880-10932/1-A
Matrix: Solid
Analysis Batch: 11010

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/30/21 20:21	1

Lab Sample ID: LCS 880-10932/2-A
Matrix: Solid
Analysis Batch: 11010

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	236.5		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-10932/3-A
Matrix: Solid
Analysis Batch: 11010

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	235.9		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 890-1488-23 MS
Matrix: Solid
Analysis Batch: 11010

Client Sample ID: SW-7
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	155		250	399.8		mg/Kg		98	90 - 110

Lab Sample ID: 890-1488-23 MSD
Matrix: Solid
Analysis Batch: 11010

Client Sample ID: SW-7
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	155		250	399.4		mg/Kg		98	90 - 110	0	20

Lab Sample ID: MB 880-10925/1-A
Matrix: Solid
Analysis Batch: 11012

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/31/21 00:22	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-10925/2-A
Matrix: Solid
Analysis Batch: 11012

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	230.8		mg/Kg		92	90 - 110		

Lab Sample ID: LCSD 880-10925/3-A
Matrix: Solid
Analysis Batch: 11012

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	231.6		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 890-1488-33 MS
Matrix: Solid
Analysis Batch: 11012

Client Sample ID: SW-17
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	739	F1	250	962.9		mg/Kg		90	90 - 110		

Lab Sample ID: 890-1488-33 MSD
Matrix: Solid
Analysis Batch: 11012

Client Sample ID: SW-17
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	739	F1	250	954.2	F1	mg/Kg		86	90 - 110	1	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

GC VOA

Prep Batch: 10632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-10632/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 10685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1488-1	BH-1 4.5	Total/NA	Solid	5035	
890-1488-2	BH-2 4.5	Total/NA	Solid	5035	
890-1488-3	BH-3 4.5	Total/NA	Solid	5035	
890-1488-4	BH-4 4.5	Total/NA	Solid	5035	
890-1488-5	BH-5 4.5	Total/NA	Solid	5035	
890-1488-6	BH-6 4.5	Total/NA	Solid	5035	
890-1488-7	BH-7 4.5	Total/NA	Solid	5035	
890-1488-8	BH-8 4.5	Total/NA	Solid	5035	
890-1488-9	BH-9 4.5	Total/NA	Solid	5035	
890-1488-10	BH-10 4.5	Total/NA	Solid	5035	
890-1488-11	BH-11 4.5	Total/NA	Solid	5035	
890-1488-12	BH-12 4.5	Total/NA	Solid	5035	
890-1488-13	BH-13 4.5	Total/NA	Solid	5035	
890-1488-14	BH-14 4.5	Total/NA	Solid	5035	
890-1488-15	BH-15 4.5	Total/NA	Solid	5035	
890-1488-16	BH-16 4.5	Total/NA	Solid	5035	
890-1488-17	SW-1	Total/NA	Solid	5035	
890-1488-18	SW-2	Total/NA	Solid	5035	
890-1488-19	SW-3	Total/NA	Solid	5035	
890-1488-20	SW-4	Total/NA	Solid	5035	
MB 880-10685/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-10685/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-10685/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1488-1 MS	BH-1 4.5	Total/NA	Solid	5035	
890-1488-1 MSD	BH-1 4.5	Total/NA	Solid	5035	

Prep Batch: 10705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1488-21	SW-5	Total/NA	Solid	5035	
890-1488-22	SW-6	Total/NA	Solid	5035	
890-1488-23	SW-7	Total/NA	Solid	5035	
890-1488-24	SW-8	Total/NA	Solid	5035	
890-1488-25	SW-9	Total/NA	Solid	5035	
890-1488-26	SW-10	Total/NA	Solid	5035	
890-1488-27	SW-11	Total/NA	Solid	5035	
890-1488-28	SW-12	Total/NA	Solid	5035	
890-1488-29	SW-13	Total/NA	Solid	5035	
890-1488-30	SW-14	Total/NA	Solid	5035	
890-1488-31	SW-15	Total/NA	Solid	5035	
890-1488-32	SW-16	Total/NA	Solid	5035	
890-1488-33	SW-17	Total/NA	Solid	5035	
890-1488-34	SW-18	Total/NA	Solid	5035	
MB 880-10705/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-10705/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-10705/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-7623-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-7623-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

GC VOA

Analysis Batch: 10822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1488-1	BH-1 4.5	Total/NA	Solid	8021B	10685
890-1488-2	BH-2 4.5	Total/NA	Solid	8021B	10685
890-1488-3	BH-3 4.5	Total/NA	Solid	8021B	10685
890-1488-4	BH-4 4.5	Total/NA	Solid	8021B	10685
890-1488-5	BH-5 4.5	Total/NA	Solid	8021B	10685
890-1488-6	BH-6 4.5	Total/NA	Solid	8021B	10685
890-1488-7	BH-7 4.5	Total/NA	Solid	8021B	10685
890-1488-8	BH-8 4.5	Total/NA	Solid	8021B	10685
890-1488-9	BH-9 4.5	Total/NA	Solid	8021B	10685
890-1488-10	BH-10 4.5	Total/NA	Solid	8021B	10685
890-1488-11	BH-11 4.5	Total/NA	Solid	8021B	10685
890-1488-12	BH-12 4.5	Total/NA	Solid	8021B	10685
890-1488-13	BH-13 4.5	Total/NA	Solid	8021B	10685
890-1488-14	BH-14 4.5	Total/NA	Solid	8021B	10685
890-1488-15	BH-15 4.5	Total/NA	Solid	8021B	10685
890-1488-16	BH-16 4.5	Total/NA	Solid	8021B	10685
890-1488-17	SW-1	Total/NA	Solid	8021B	10685
890-1488-18	SW-2	Total/NA	Solid	8021B	10685
890-1488-19	SW-3	Total/NA	Solid	8021B	10685
890-1488-20	SW-4	Total/NA	Solid	8021B	10685
MB 880-10632/5-A	Method Blank	Total/NA	Solid	8021B	10632
MB 880-10685/5-A	Method Blank	Total/NA	Solid	8021B	10685
LCS 880-10685/1-A	Lab Control Sample	Total/NA	Solid	8021B	10685
LCSD 880-10685/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	10685
890-1488-1 MS	BH-1 4.5	Total/NA	Solid	8021B	10685
890-1488-1 MSD	BH-1 4.5	Total/NA	Solid	8021B	10685

Analysis Batch: 10840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1488-21	SW-5	Total/NA	Solid	8021B	10705
890-1488-22	SW-6	Total/NA	Solid	8021B	10705
890-1488-23	SW-7	Total/NA	Solid	8021B	10705
890-1488-24	SW-8	Total/NA	Solid	8021B	10705
890-1488-25	SW-9	Total/NA	Solid	8021B	10705
890-1488-26	SW-10	Total/NA	Solid	8021B	10705
890-1488-27	SW-11	Total/NA	Solid	8021B	10705
890-1488-28	SW-12	Total/NA	Solid	8021B	10705
890-1488-29	SW-13	Total/NA	Solid	8021B	10705
890-1488-30	SW-14	Total/NA	Solid	8021B	10705
890-1488-31	SW-15	Total/NA	Solid	8021B	10705
890-1488-32	SW-16	Total/NA	Solid	8021B	10705
890-1488-33	SW-17	Total/NA	Solid	8021B	10705
890-1488-34	SW-18	Total/NA	Solid	8021B	10705
MB 880-10705/5-A	Method Blank	Total/NA	Solid	8021B	10705
LCS 880-10705/1-A	Lab Control Sample	Total/NA	Solid	8021B	10705
LCSD 880-10705/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	10705
880-7623-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	10705
880-7623-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	10705

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

GC VOA

Analysis Batch: 11149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1488-1	BH-1 4.5	Total/NA	Solid	Total BTEX	
890-1488-2	BH-2 4.5	Total/NA	Solid	Total BTEX	
890-1488-3	BH-3 4.5	Total/NA	Solid	Total BTEX	
890-1488-4	BH-4 4.5	Total/NA	Solid	Total BTEX	
890-1488-5	BH-5 4.5	Total/NA	Solid	Total BTEX	
890-1488-6	BH-6 4.5	Total/NA	Solid	Total BTEX	
890-1488-7	BH-7 4.5	Total/NA	Solid	Total BTEX	
890-1488-8	BH-8 4.5	Total/NA	Solid	Total BTEX	
890-1488-9	BH-9 4.5	Total/NA	Solid	Total BTEX	
890-1488-10	BH-10 4.5	Total/NA	Solid	Total BTEX	
890-1488-11	BH-11 4.5	Total/NA	Solid	Total BTEX	
890-1488-12	BH-12 4.5	Total/NA	Solid	Total BTEX	
890-1488-13	BH-13 4.5	Total/NA	Solid	Total BTEX	
890-1488-14	BH-14 4.5	Total/NA	Solid	Total BTEX	
890-1488-15	BH-15 4.5	Total/NA	Solid	Total BTEX	
890-1488-16	BH-16 4.5	Total/NA	Solid	Total BTEX	
890-1488-17	SW-1	Total/NA	Solid	Total BTEX	
890-1488-18	SW-2	Total/NA	Solid	Total BTEX	
890-1488-19	SW-3	Total/NA	Solid	Total BTEX	
890-1488-20	SW-4	Total/NA	Solid	Total BTEX	
890-1488-21	SW-5	Total/NA	Solid	Total BTEX	
890-1488-22	SW-6	Total/NA	Solid	Total BTEX	
890-1488-23	SW-7	Total/NA	Solid	Total BTEX	
890-1488-24	SW-8	Total/NA	Solid	Total BTEX	
890-1488-25	SW-9	Total/NA	Solid	Total BTEX	
890-1488-26	SW-10	Total/NA	Solid	Total BTEX	
890-1488-27	SW-11	Total/NA	Solid	Total BTEX	
890-1488-28	SW-12	Total/NA	Solid	Total BTEX	
890-1488-29	SW-13	Total/NA	Solid	Total BTEX	
890-1488-30	SW-14	Total/NA	Solid	Total BTEX	
890-1488-31	SW-15	Total/NA	Solid	Total BTEX	
890-1488-32	SW-16	Total/NA	Solid	Total BTEX	
890-1488-33	SW-17	Total/NA	Solid	Total BTEX	
890-1488-34	SW-18	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 10845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1488-1	BH-1 4.5	Total/NA	Solid	8015NM Prep	
890-1488-2	BH-2 4.5	Total/NA	Solid	8015NM Prep	
890-1488-3	BH-3 4.5	Total/NA	Solid	8015NM Prep	
890-1488-4	BH-4 4.5	Total/NA	Solid	8015NM Prep	
890-1488-5	BH-5 4.5	Total/NA	Solid	8015NM Prep	
890-1488-6	BH-6 4.5	Total/NA	Solid	8015NM Prep	
890-1488-7	BH-7 4.5	Total/NA	Solid	8015NM Prep	
890-1488-8	BH-8 4.5	Total/NA	Solid	8015NM Prep	
890-1488-9	BH-9 4.5	Total/NA	Solid	8015NM Prep	
890-1488-10	BH-10 4.5	Total/NA	Solid	8015NM Prep	
890-1488-11	BH-11 4.5	Total/NA	Solid	8015NM Prep	
890-1488-12	BH-12 4.5	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

GC Semi VOA (Continued)

Prep Batch: 10845 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1488-13	BH-13 4.5	Total/NA	Solid	8015NM Prep	
890-1488-14	BH-14 4.5	Total/NA	Solid	8015NM Prep	
890-1488-15	BH-15 4.5	Total/NA	Solid	8015NM Prep	
890-1488-16	BH-16 4.5	Total/NA	Solid	8015NM Prep	
890-1488-17	SW-1	Total/NA	Solid	8015NM Prep	
890-1488-18	SW-2	Total/NA	Solid	8015NM Prep	
890-1488-19	SW-3	Total/NA	Solid	8015NM Prep	
890-1488-20	SW-4	Total/NA	Solid	8015NM Prep	
MB 880-10845/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-10845/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-10845/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1488-1 MS	BH-1 4.5	Total/NA	Solid	8015NM Prep	
890-1488-1 MSD	BH-1 4.5	Total/NA	Solid	8015NM Prep	

Prep Batch: 10846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1488-21	SW-5	Total/NA	Solid	8015NM Prep	
890-1488-22	SW-6	Total/NA	Solid	8015NM Prep	
890-1488-23	SW-7	Total/NA	Solid	8015NM Prep	
890-1488-24	SW-8	Total/NA	Solid	8015NM Prep	
890-1488-25	SW-9	Total/NA	Solid	8015NM Prep	
890-1488-26	SW-10	Total/NA	Solid	8015NM Prep	
890-1488-27	SW-11	Total/NA	Solid	8015NM Prep	
890-1488-28	SW-12	Total/NA	Solid	8015NM Prep	
890-1488-29	SW-13	Total/NA	Solid	8015NM Prep	
890-1488-30	SW-14	Total/NA	Solid	8015NM Prep	
890-1488-31	SW-15	Total/NA	Solid	8015NM Prep	
890-1488-32	SW-16	Total/NA	Solid	8015NM Prep	
890-1488-33	SW-17	Total/NA	Solid	8015NM Prep	
890-1488-34	SW-18	Total/NA	Solid	8015NM Prep	
MB 880-10846/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-10846/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-10846/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1488-21 MS	SW-5	Total/NA	Solid	8015NM Prep	
890-1488-21 MSD	SW-5	Total/NA	Solid	8015NM Prep	

Analysis Batch: 10885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1488-21	SW-5	Total/NA	Solid	8015B NM	10846
890-1488-22	SW-6	Total/NA	Solid	8015B NM	10846
890-1488-23	SW-7	Total/NA	Solid	8015B NM	10846
890-1488-24	SW-8	Total/NA	Solid	8015B NM	10846
890-1488-25	SW-9	Total/NA	Solid	8015B NM	10846
890-1488-26	SW-10	Total/NA	Solid	8015B NM	10846
890-1488-27	SW-11	Total/NA	Solid	8015B NM	10846
890-1488-28	SW-12	Total/NA	Solid	8015B NM	10846
890-1488-29	SW-13	Total/NA	Solid	8015B NM	10846
890-1488-30	SW-14	Total/NA	Solid	8015B NM	10846
890-1488-31	SW-15	Total/NA	Solid	8015B NM	10846
890-1488-32	SW-16	Total/NA	Solid	8015B NM	10846
890-1488-33	SW-17	Total/NA	Solid	8015B NM	10846

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

GC Semi VOA (Continued)

Analysis Batch: 10885 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1488-34	SW-18	Total/NA	Solid	8015B NM	10846
MB 880-10846/1-A	Method Blank	Total/NA	Solid	8015B NM	10846
LCS 880-10846/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	10846
LCSD 880-10846/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	10846
890-1488-21 MS	SW-5	Total/NA	Solid	8015B NM	10846
890-1488-21 MSD	SW-5	Total/NA	Solid	8015B NM	10846

Analysis Batch: 10887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1488-1	BH-1 4.5	Total/NA	Solid	8015B NM	10845
890-1488-2	BH-2 4.5	Total/NA	Solid	8015B NM	10845
890-1488-3	BH-3 4.5	Total/NA	Solid	8015B NM	10845
890-1488-4	BH-4 4.5	Total/NA	Solid	8015B NM	10845
890-1488-5	BH-5 4.5	Total/NA	Solid	8015B NM	10845
890-1488-6	BH-6 4.5	Total/NA	Solid	8015B NM	10845
890-1488-7	BH-7 4.5	Total/NA	Solid	8015B NM	10845
890-1488-8	BH-8 4.5	Total/NA	Solid	8015B NM	10845
890-1488-9	BH-9 4.5	Total/NA	Solid	8015B NM	10845
890-1488-10	BH-10 4.5	Total/NA	Solid	8015B NM	10845
890-1488-11	BH-11 4.5	Total/NA	Solid	8015B NM	10845
890-1488-12	BH-12 4.5	Total/NA	Solid	8015B NM	10845
890-1488-13	BH-13 4.5	Total/NA	Solid	8015B NM	10845
890-1488-14	BH-14 4.5	Total/NA	Solid	8015B NM	10845
890-1488-15	BH-15 4.5	Total/NA	Solid	8015B NM	10845
890-1488-16	BH-16 4.5	Total/NA	Solid	8015B NM	10845
890-1488-17	SW-1	Total/NA	Solid	8015B NM	10845
890-1488-18	SW-2	Total/NA	Solid	8015B NM	10845
890-1488-19	SW-3	Total/NA	Solid	8015B NM	10845
890-1488-20	SW-4	Total/NA	Solid	8015B NM	10845
MB 880-10845/1-A	Method Blank	Total/NA	Solid	8015B NM	10845
LCS 880-10845/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	10845
LCSD 880-10845/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	10845
890-1488-1 MS	BH-1 4.5	Total/NA	Solid	8015B NM	10845
890-1488-1 MSD	BH-1 4.5	Total/NA	Solid	8015B NM	10845

Analysis Batch: 11118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1488-1	BH-1 4.5	Total/NA	Solid	8015 NM	
890-1488-2	BH-2 4.5	Total/NA	Solid	8015 NM	
890-1488-3	BH-3 4.5	Total/NA	Solid	8015 NM	
890-1488-4	BH-4 4.5	Total/NA	Solid	8015 NM	
890-1488-5	BH-5 4.5	Total/NA	Solid	8015 NM	
890-1488-6	BH-6 4.5	Total/NA	Solid	8015 NM	
890-1488-7	BH-7 4.5	Total/NA	Solid	8015 NM	
890-1488-8	BH-8 4.5	Total/NA	Solid	8015 NM	
890-1488-9	BH-9 4.5	Total/NA	Solid	8015 NM	
890-1488-10	BH-10 4.5	Total/NA	Solid	8015 NM	
890-1488-11	BH-11 4.5	Total/NA	Solid	8015 NM	
890-1488-12	BH-12 4.5	Total/NA	Solid	8015 NM	
890-1488-13	BH-13 4.5	Total/NA	Solid	8015 NM	
890-1488-14	BH-14 4.5	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

GC Semi VOA (Continued)

Analysis Batch: 11118 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1488-15	BH-15 4.5	Total/NA	Solid	8015 NM	
890-1488-16	BH-16 4.5	Total/NA	Solid	8015 NM	
890-1488-17	SW-1	Total/NA	Solid	8015 NM	
890-1488-18	SW-2	Total/NA	Solid	8015 NM	
890-1488-19	SW-3	Total/NA	Solid	8015 NM	
890-1488-20	SW-4	Total/NA	Solid	8015 NM	
890-1488-21	SW-5	Total/NA	Solid	8015 NM	
890-1488-22	SW-6	Total/NA	Solid	8015 NM	
890-1488-23	SW-7	Total/NA	Solid	8015 NM	
890-1488-24	SW-8	Total/NA	Solid	8015 NM	
890-1488-25	SW-9	Total/NA	Solid	8015 NM	
890-1488-26	SW-10	Total/NA	Solid	8015 NM	
890-1488-27	SW-11	Total/NA	Solid	8015 NM	
890-1488-28	SW-12	Total/NA	Solid	8015 NM	
890-1488-29	SW-13	Total/NA	Solid	8015 NM	
890-1488-30	SW-14	Total/NA	Solid	8015 NM	
890-1488-31	SW-15	Total/NA	Solid	8015 NM	
890-1488-32	SW-16	Total/NA	Solid	8015 NM	
890-1488-33	SW-17	Total/NA	Solid	8015 NM	
890-1488-34	SW-18	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 10925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1488-33	SW-17	Soluble	Solid	DI Leach	
890-1488-34	SW-18	Soluble	Solid	DI Leach	
MB 880-10925/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-10925/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-10925/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1488-33 MS	SW-17	Soluble	Solid	DI Leach	
890-1488-33 MSD	SW-17	Soluble	Solid	DI Leach	

Leach Batch: 10930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1488-1	BH-1 4.5	Soluble	Solid	DI Leach	
890-1488-2	BH-2 4.5	Soluble	Solid	DI Leach	
890-1488-3	BH-3 4.5	Soluble	Solid	DI Leach	
890-1488-4	BH-4 4.5	Soluble	Solid	DI Leach	
890-1488-5	BH-5 4.5	Soluble	Solid	DI Leach	
890-1488-6	BH-6 4.5	Soluble	Solid	DI Leach	
890-1488-7	BH-7 4.5	Soluble	Solid	DI Leach	
890-1488-8	BH-8 4.5	Soluble	Solid	DI Leach	
890-1488-9	BH-9 4.5	Soluble	Solid	DI Leach	
890-1488-10	BH-10 4.5	Soluble	Solid	DI Leach	
890-1488-11	BH-11 4.5	Soluble	Solid	DI Leach	
890-1488-12	BH-12 4.5	Soluble	Solid	DI Leach	
890-1488-13	BH-13 4.5	Soluble	Solid	DI Leach	
890-1488-14	BH-14 4.5	Soluble	Solid	DI Leach	
890-1488-15	BH-15 4.5	Soluble	Solid	DI Leach	
890-1488-16	BH-16 4.5	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

HPLC/IC (Continued)

Leach Batch: 10930 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1488-17	SW-1	Soluble	Solid	DI Leach	
890-1488-18	SW-2	Soluble	Solid	DI Leach	
890-1488-19	SW-3	Soluble	Solid	DI Leach	
890-1488-20	SW-4	Soluble	Solid	DI Leach	
MB 880-10930/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-10930/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-10930/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1488-1 MS	BH-1 4.5	Soluble	Solid	DI Leach	
890-1488-1 MSD	BH-1 4.5	Soluble	Solid	DI Leach	
890-1488-11 MS	BH-11 4.5	Soluble	Solid	DI Leach	
890-1488-11 MSD	BH-11 4.5	Soluble	Solid	DI Leach	

Leach Batch: 10932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1488-21	SW-5	Soluble	Solid	DI Leach	
890-1488-22	SW-6	Soluble	Solid	DI Leach	
890-1488-23	SW-7	Soluble	Solid	DI Leach	
890-1488-24	SW-8	Soluble	Solid	DI Leach	
890-1488-25	SW-9	Soluble	Solid	DI Leach	
890-1488-26	SW-10	Soluble	Solid	DI Leach	
890-1488-27	SW-11	Soluble	Solid	DI Leach	
890-1488-28	SW-12	Soluble	Solid	DI Leach	
890-1488-29	SW-13	Soluble	Solid	DI Leach	
890-1488-30	SW-14	Soluble	Solid	DI Leach	
890-1488-31	SW-15	Soluble	Solid	DI Leach	
890-1488-32	SW-16	Soluble	Solid	DI Leach	
MB 880-10932/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-10932/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-10932/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1488-23 MS	SW-7	Soluble	Solid	DI Leach	
890-1488-23 MSD	SW-7	Soluble	Solid	DI Leach	

Analysis Batch: 11009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1488-1	BH-1 4.5	Soluble	Solid	300.0	10930
890-1488-2	BH-2 4.5	Soluble	Solid	300.0	10930
890-1488-3	BH-3 4.5	Soluble	Solid	300.0	10930
890-1488-4	BH-4 4.5	Soluble	Solid	300.0	10930
890-1488-5	BH-5 4.5	Soluble	Solid	300.0	10930
890-1488-6	BH-6 4.5	Soluble	Solid	300.0	10930
890-1488-7	BH-7 4.5	Soluble	Solid	300.0	10930
890-1488-8	BH-8 4.5	Soluble	Solid	300.0	10930
890-1488-9	BH-9 4.5	Soluble	Solid	300.0	10930
890-1488-10	BH-10 4.5	Soluble	Solid	300.0	10930
890-1488-11	BH-11 4.5	Soluble	Solid	300.0	10930
890-1488-12	BH-12 4.5	Soluble	Solid	300.0	10930
890-1488-13	BH-13 4.5	Soluble	Solid	300.0	10930
890-1488-14	BH-14 4.5	Soluble	Solid	300.0	10930
890-1488-15	BH-15 4.5	Soluble	Solid	300.0	10930
890-1488-16	BH-16 4.5	Soluble	Solid	300.0	10930
890-1488-17	SW-1	Soluble	Solid	300.0	10930

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

HPLC/IC (Continued)

Analysis Batch: 11009 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1488-18	SW-2	Soluble	Solid	300.0	10930
890-1488-19	SW-3	Soluble	Solid	300.0	10930
890-1488-20	SW-4	Soluble	Solid	300.0	10930
MB 880-10930/1-A	Method Blank	Soluble	Solid	300.0	10930
LCS 880-10930/2-A	Lab Control Sample	Soluble	Solid	300.0	10930
LCSD 880-10930/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	10930
890-1488-1 MS	BH-1 4.5	Soluble	Solid	300.0	10930
890-1488-1 MSD	BH-1 4.5	Soluble	Solid	300.0	10930
890-1488-11 MS	BH-11 4.5	Soluble	Solid	300.0	10930
890-1488-11 MSD	BH-11 4.5	Soluble	Solid	300.0	10930

Analysis Batch: 11010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1488-21	SW-5	Soluble	Solid	300.0	10932
890-1488-22	SW-6	Soluble	Solid	300.0	10932
890-1488-23	SW-7	Soluble	Solid	300.0	10932
890-1488-24	SW-8	Soluble	Solid	300.0	10932
890-1488-25	SW-9	Soluble	Solid	300.0	10932
890-1488-26	SW-10	Soluble	Solid	300.0	10932
890-1488-27	SW-11	Soluble	Solid	300.0	10932
890-1488-28	SW-12	Soluble	Solid	300.0	10932
890-1488-29	SW-13	Soluble	Solid	300.0	10932
890-1488-30	SW-14	Soluble	Solid	300.0	10932
890-1488-31	SW-15	Soluble	Solid	300.0	10932
890-1488-32	SW-16	Soluble	Solid	300.0	10932
MB 880-10932/1-A	Method Blank	Soluble	Solid	300.0	10932
LCS 880-10932/2-A	Lab Control Sample	Soluble	Solid	300.0	10932
LCSD 880-10932/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	10932
890-1488-23 MS	SW-7	Soluble	Solid	300.0	10932
890-1488-23 MSD	SW-7	Soluble	Solid	300.0	10932

Analysis Batch: 11012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1488-33	SW-17	Soluble	Solid	300.0	10925
890-1488-34	SW-18	Soluble	Solid	300.0	10925
MB 880-10925/1-A	Method Blank	Soluble	Solid	300.0	10925
LCS 880-10925/2-A	Lab Control Sample	Soluble	Solid	300.0	10925
LCSD 880-10925/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	10925
890-1488-33 MS	SW-17	Soluble	Solid	300.0	10925
890-1488-33 MSD	SW-17	Soluble	Solid	300.0	10925

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-1488-1
Project/Site: Endurance 25 Fed 1 SDG: 212C-MD-02594

Client Sample ID: BH-1 4.5 Lab Sample ID: 890-1488-1

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10685	10/28/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	10822	10/28/21 23:11	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 13:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10845	10/28/21 14:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10887	10/29/21 11:52	AJ	XEN MID
Soluble	Leach	DI Leach			10930	10/29/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		5	11009	10/30/21 20:46	CH	XEN MID

Client Sample ID: BH-2 4.5 Lab Sample ID: 890-1488-2

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10685	10/28/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	10822	10/28/21 23:31	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 13:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10845	10/28/21 14:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10887	10/29/21 12:53	AJ	XEN MID
Soluble	Leach	DI Leach			10930	10/29/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		1	11009	10/30/21 21:03	CH	XEN MID

Client Sample ID: BH-3 4.5 Lab Sample ID: 890-1488-3

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10685	10/28/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	10822	10/28/21 23:52	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 13:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10845	10/28/21 14:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10887	10/29/21 13:13	AJ	XEN MID
Soluble	Leach	DI Leach			10930	10/29/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		1	11009	10/30/21 21:09	CH	XEN MID

Client Sample ID: BH-4 4.5 Lab Sample ID: 890-1488-4

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10685	10/28/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	10822	10/29/21 00:12	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 13:53	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-1488-1
Project/Site: Endurance 25 Fed 1 SDG: 212C-MD-02594

Client Sample ID: BH-4 4.5 Lab Sample ID: 890-1488-4

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10845	10/28/21 14:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10887	10/29/21 13:33	AJ	XEN MID
Soluble	Leach	DI Leach			10930	10/29/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		5	11009	10/30/21 21:15	CH	XEN MID

Client Sample ID: BH-5 4.5 Lab Sample ID: 890-1488-5

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10685	10/28/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	10822	10/29/21 00:33	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 13:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10845	10/28/21 14:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10887	10/29/21 13:54	AJ	XEN MID
Soluble	Leach	DI Leach			10930	10/29/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		1	11009	10/30/21 21:21	CH	XEN MID

Client Sample ID: BH-6 4.5 Lab Sample ID: 890-1488-6

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10685	10/28/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	10822	10/29/21 00:53	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 13:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10845	10/28/21 14:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10887	10/29/21 14:14	AJ	XEN MID
Soluble	Leach	DI Leach			10930	10/29/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		1	11009	10/30/21 21:38	CH	XEN MID

Client Sample ID: BH-7 4.5 Lab Sample ID: 890-1488-7

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10685	10/28/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	10822	10/29/21 01:13	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 13:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10845	10/28/21 14:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10887	10/29/21 14:35	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-1488-1
Project/Site: Endurance 25 Fed 1 SDG: 212C-MD-02594

Client Sample ID: BH-7 4.5 Lab Sample ID: 890-1488-7

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			10930	10/29/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		5	11009	10/30/21 21:44	CH	XEN MID

Client Sample ID: BH-8 4.5 Lab Sample ID: 890-1488-8

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10685	10/28/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	10822	10/29/21 01:34	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 13:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10845	10/28/21 14:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10887	10/29/21 14:55	AJ	XEN MID
Soluble	Leach	DI Leach			10930	10/29/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		5	11009	10/30/21 21:50	CH	XEN MID

Client Sample ID: BH-9 4.5 Lab Sample ID: 890-1488-9

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10685	10/28/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	10822	10/29/21 01:54	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 13:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10845	10/28/21 14:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10887	10/29/21 15:16	AJ	XEN MID
Soluble	Leach	DI Leach			10930	10/29/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		5	11009	10/30/21 21:56	CH	XEN MID

Client Sample ID: BH-10 4.5 Lab Sample ID: 890-1488-10

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10685	10/28/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	10822	10/29/21 02:15	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 13:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10845	10/28/21 14:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10887	10/29/21 15:36	AJ	XEN MID
Soluble	Leach	DI Leach			10930	10/29/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		5	11009	10/30/21 22:02	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-1488-1
Project/Site: Endurance 25 Fed 1 SDG: 212C-MD-02594

Client Sample ID: BH-11 4.5 Lab Sample ID: 890-1488-11

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10685	10/28/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	10822	10/29/21 03:37	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 13:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10845	10/28/21 14:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10887	10/29/21 16:17	AJ	XEN MID
Soluble	Leach	DI Leach			10930	10/29/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		1	11009	10/30/21 22:08	CH	XEN MID

Client Sample ID: BH-12 4.5 Lab Sample ID: 890-1488-12

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10685	10/28/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	10822	10/29/21 03:57	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 13:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10845	10/28/21 14:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10887	10/29/21 16:38	AJ	XEN MID
Soluble	Leach	DI Leach			10930	10/29/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		1	11009	10/30/21 22:25	CH	XEN MID

Client Sample ID: BH-13 4.5 Lab Sample ID: 890-1488-13

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10685	10/28/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	10822	10/29/21 04:18	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 13:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10845	10/28/21 14:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10887	10/29/21 16:58	AJ	XEN MID
Soluble	Leach	DI Leach			10930	10/29/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		5	11009	10/30/21 22:31	CH	XEN MID

Client Sample ID: BH-14 4.5 Lab Sample ID: 890-1488-14

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10685	10/28/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	10822	10/29/21 04:38	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 13:53	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-1488-1
Project/Site: Endurance 25 Fed 1 SDG: 212C-MD-02594

Client Sample ID: BH-14 4.5 Lab Sample ID: 890-1488-14

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10845	10/28/21 14:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10887	10/29/21 17:19	AJ	XEN MID
Soluble	Leach	DI Leach			10930	10/29/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		1	11009	10/30/21 22:49	CH	XEN MID

Client Sample ID: BH-15 4.5 Lab Sample ID: 890-1488-15

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10685	10/28/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	10822	10/29/21 04:59	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 13:53	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10845	10/28/21 14:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10887	10/29/21 17:39	AJ	XEN MID
Soluble	Leach	DI Leach			10930	10/29/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		1	11009	10/30/21 22:55	CH	XEN MID

Client Sample ID: BH-16 4.5 Lab Sample ID: 890-1488-16

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10685	10/28/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	10822	10/29/21 05:19	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 14:01	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10845	10/28/21 14:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10887	10/29/21 17:59	AJ	XEN MID
Soluble	Leach	DI Leach			10930	10/29/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		1	11009	10/30/21 23:00	CH	XEN MID

Client Sample ID: SW-1 Lab Sample ID: 890-1488-17

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10685	10/28/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	10822	10/29/21 05:39	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 14:01	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10845	10/28/21 14:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10887	10/29/21 18:19	AJ	XEN MID

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Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-1488-1
Project/Site: Endurance 25 Fed 1 SDG: 212C-MD-02594

Client Sample ID: SW-1 Lab Sample ID: 890-1488-17

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			10930	10/29/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		1	11009	10/30/21 23:06	CH	XEN MID

Client Sample ID: SW-2 Lab Sample ID: 890-1488-18

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10685	10/28/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	10822	10/29/21 06:00	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 14:01	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10845	10/28/21 14:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10887	10/29/21 18:39	AJ	XEN MID
Soluble	Leach	DI Leach			10930	10/29/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		1	11009	10/30/21 23:12	CH	XEN MID

Client Sample ID: SW-3 Lab Sample ID: 890-1488-19

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10685	10/28/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	10822	10/29/21 06:20	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 14:01	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10845	10/28/21 14:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10887	10/29/21 18:59	AJ	XEN MID
Soluble	Leach	DI Leach			10930	10/29/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		1	11009	10/30/21 23:18	CH	XEN MID

Client Sample ID: SW-4 Lab Sample ID: 890-1488-20

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10685	10/28/21 09:45	KL	XEN MID
Total/NA	Analysis	8021B		1	10822	10/29/21 06:41	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 14:01	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10845	10/28/21 14:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10887	10/29/21 19:19	AJ	XEN MID
Soluble	Leach	DI Leach			10930	10/29/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		1	11009	10/30/21 23:24	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-1488-1
Project/Site: Endurance 25 Fed 1 SDG: 212C-MD-02594

Client Sample ID: SW-5 Lab Sample ID: 890-1488-21

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10705	10/28/21 10:33	KL	XEN MID
Total/NA	Analysis	8021B		1	10840	10/28/21 20:34	MR	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 14:01	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10846	10/28/21 14:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10885	10/29/21 11:52	AJ	XEN MID
Soluble	Leach	DI Leach			10932	10/29/21 12:42	CA	XEN MID
Soluble	Analysis	300.0		1	11010	10/30/21 22:04	CH	XEN MID

Client Sample ID: SW-6 Lab Sample ID: 890-1488-22

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10705	10/28/21 10:33	KL	XEN MID
Total/NA	Analysis	8021B		1	10840	10/28/21 21:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 14:01	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10846	10/28/21 14:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10885	10/29/21 19:19	AJ	XEN MID
Soluble	Leach	DI Leach			10932	10/29/21 12:42	CA	XEN MID
Soluble	Analysis	300.0		1	11010	10/30/21 22:11	CH	XEN MID

Client Sample ID: SW-7 Lab Sample ID: 890-1488-23

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10705	10/28/21 10:33	KL	XEN MID
Total/NA	Analysis	8021B		1	10840	10/28/21 21:26	MR	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 14:01	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10846	10/28/21 14:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10885	10/29/21 13:13	AJ	XEN MID
Soluble	Leach	DI Leach			10932	10/29/21 12:42	CA	XEN MID
Soluble	Analysis	300.0		1	11010	10/30/21 22:18	CH	XEN MID

Client Sample ID: SW-8 Lab Sample ID: 890-1488-24

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10705	10/28/21 10:33	KL	XEN MID
Total/NA	Analysis	8021B		1	10840	10/28/21 21:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 14:01	AJ	XEN MID

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Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-1488-1
Project/Site: Endurance 25 Fed 1 SDG: 212C-MD-02594

Client Sample ID: SW-8 Lab Sample ID: 890-1488-24

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10846	10/28/21 14:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10885	10/29/21 13:33	AJ	XEN MID
Soluble	Leach	DI Leach			10932	10/29/21 12:42	CA	XEN MID
Soluble	Analysis	300.0		1	11010	10/30/21 22:38	CH	XEN MID

Client Sample ID: SW-9 Lab Sample ID: 890-1488-25

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10705	10/28/21 10:33	KL	XEN MID
Total/NA	Analysis	8021B		1	10840	10/28/21 22:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 14:01	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10846	10/28/21 14:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10885	10/29/21 13:54	AJ	XEN MID
Soluble	Leach	DI Leach			10932	10/29/21 12:42	CA	XEN MID
Soluble	Analysis	300.0		1	11010	10/30/21 22:45	CH	XEN MID

Client Sample ID: SW-10 Lab Sample ID: 890-1488-26

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10705	10/28/21 10:33	KL	XEN MID
Total/NA	Analysis	8021B		1	10840	10/29/21 00:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 14:01	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10846	10/28/21 14:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10885	10/29/21 14:14	AJ	XEN MID
Soluble	Leach	DI Leach			10932	10/29/21 12:42	CA	XEN MID
Soluble	Analysis	300.0		1	11010	10/30/21 23:06	CH	XEN MID

Client Sample ID: SW-11 Lab Sample ID: 890-1488-27

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10705	10/28/21 10:33	KL	XEN MID
Total/NA	Analysis	8021B		1	10840	10/29/21 01:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 14:01	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10846	10/28/21 14:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10885	10/29/21 14:35	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-1488-1
Project/Site: Endurance 25 Fed 1 SDG: 212C-MD-02594

Client Sample ID: SW-11 Lab Sample ID: 890-1488-27

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			10932	10/29/21 12:42	CA	XEN MID
Soluble	Analysis	300.0		1	11010	10/30/21 23:13	CH	XEN MID

Client Sample ID: SW-12 Lab Sample ID: 890-1488-28

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10705	10/28/21 10:33	KL	XEN MID
Total/NA	Analysis	8021B		1	10840	10/29/21 01:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 14:01	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10846	10/28/21 14:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10885	10/29/21 14:55	AJ	XEN MID
Soluble	Leach	DI Leach			10932	10/29/21 12:42	CA	XEN MID
Soluble	Analysis	300.0		1	11010	10/30/21 23:20	CH	XEN MID

Client Sample ID: SW-13 Lab Sample ID: 890-1488-29

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10705	10/28/21 10:33	KL	XEN MID
Total/NA	Analysis	8021B		1	10840	10/29/21 02:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 14:01	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10846	10/28/21 14:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10885	10/29/21 15:16	AJ	XEN MID
Soluble	Leach	DI Leach			10932	10/29/21 12:42	CA	XEN MID
Soluble	Analysis	300.0		1	11010	10/30/21 23:26	CH	XEN MID

Client Sample ID: SW-14 Lab Sample ID: 890-1488-30

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10705	10/28/21 10:33	KL	XEN MID
Total/NA	Analysis	8021B		1	10840	10/29/21 02:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 14:01	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10846	10/28/21 14:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10885	10/29/21 15:36	AJ	XEN MID
Soluble	Leach	DI Leach			10932	10/29/21 12:42	CA	XEN MID
Soluble	Analysis	300.0		1	11010	10/30/21 23:33	CH	XEN MID

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-1488-1
Project/Site: Endurance 25 Fed 1 SDG: 212C-MD-02594

Client Sample ID: SW-15 Lab Sample ID: 890-1488-31

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10705	10/28/21 10:33	KL	XEN MID
Total/NA	Analysis	8021B		1	10840	10/29/21 03:09	MR	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 14:01	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10846	10/28/21 14:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10885	10/29/21 16:17	AJ	XEN MID
Soluble	Leach	DI Leach			10932	10/29/21 12:42	CA	XEN MID
Soluble	Analysis	300.0		1	11010	10/30/21 23:40	CH	XEN MID

Client Sample ID: SW-16 Lab Sample ID: 890-1488-32

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10705	10/28/21 10:33	KL	XEN MID
Total/NA	Analysis	8021B		1	10840	10/29/21 03:35	MR	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 14:01	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10846	10/28/21 14:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10885	10/29/21 16:38	AJ	XEN MID
Soluble	Leach	DI Leach			10932	10/29/21 12:42	CA	XEN MID
Soluble	Analysis	300.0		1	11010	10/30/21 23:47	CH	XEN MID

Client Sample ID: SW-17 Lab Sample ID: 890-1488-33

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10705	10/28/21 10:33	KL	XEN MID
Total/NA	Analysis	8021B		1	10840	10/29/21 04:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 14:01	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10846	10/28/21 14:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10885	10/29/21 16:58	AJ	XEN MID
Soluble	Leach	DI Leach			10925	10/29/21 11:28	CH	XEN MID
Soluble	Analysis	300.0		1	11012	10/31/21 00:42	CH	XEN MID

Client Sample ID: SW-18 Lab Sample ID: 890-1488-34

Date Collected: 10/26/21 00:00 **Matrix: Solid**
Date Received: 10/27/21 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10705	10/28/21 10:33	KL	XEN MID
Total/NA	Analysis	8021B		1	10840	10/29/21 04:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1	11149	11/01/21 14:01	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Client Sample ID: SW-18

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 09:02

Lab Sample ID: 890-1488-34

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1	11118	11/01/21 12:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10846	10/28/21 14:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1	10885	10/29/21 17:19	AJ	XEN MID
Soluble	Leach	DI Leach			10925	10/29/21 11:28	CH	XEN MID
Soluble	Analysis	300.0		1	11012	10/31/21 01:03	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: 890-1488-1
Project/Site: Endurance 25 Fed 1 SDG: 212C-MD-02594

Laboratory: Eurofins Xenco, Midland

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

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

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

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

Method Summary

Client: Tetra Tech, Inc. Job ID: 890-1488-1
Project/Site: Endurance 25 Fed 1 SDG: 212C-MD-02594

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (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.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

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: Endurance 25 Fed 1

Job ID: 890-1488-1
SDG: 212C-MD-02594

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1488-1	BH-1 4.5	Solid	10/26/21 00:00	10/27/21 09:02	4.5
890-1488-2	BH-2 4.5	Solid	10/26/21 00:00	10/27/21 09:02	4.5
890-1488-3	BH-3 4.5	Solid	10/26/21 00:00	10/27/21 09:02	4.5
890-1488-4	BH-4 4.5	Solid	10/26/21 00:00	10/27/21 09:02	4.5
890-1488-5	BH-5 4.5	Solid	10/26/21 00:00	10/27/21 09:02	4.5
890-1488-6	BH-6 4.5	Solid	10/26/21 00:00	10/27/21 09:02	4.5
890-1488-7	BH-7 4.5	Solid	10/26/21 00:00	10/27/21 09:02	4.5
890-1488-8	BH-8 4.5	Solid	10/26/21 00:00	10/27/21 09:02	4.5
890-1488-9	BH-9 4.5	Solid	10/26/21 00:00	10/27/21 09:02	4.5
890-1488-10	BH-10 4.5	Solid	10/26/21 00:00	10/27/21 09:02	4.5
890-1488-11	BH-11 4.5	Solid	10/26/21 00:00	10/27/21 09:02	4.5
890-1488-12	BH-12 4.5	Solid	10/26/21 00:00	10/27/21 09:02	4.5
890-1488-13	BH-13 4.5	Solid	10/26/21 00:00	10/27/21 09:02	4.5
890-1488-14	BH-14 4.5	Solid	10/26/21 00:00	10/27/21 09:02	4.5
890-1488-15	BH-15 4.5	Solid	10/26/21 00:00	10/27/21 09:02	4.5
890-1488-16	BH-16 4.5	Solid	10/26/21 00:00	10/27/21 09:02	4.5
890-1488-17	SW-1	Solid	10/26/21 00:00	10/27/21 09:02	
890-1488-18	SW-2	Solid	10/26/21 00:00	10/27/21 09:02	
890-1488-19	SW-3	Solid	10/26/21 00:00	10/27/21 09:02	
890-1488-20	SW-4	Solid	10/26/21 00:00	10/27/21 09:02	
890-1488-21	SW-5	Solid	10/26/21 00:00	10/27/21 09:02	
890-1488-22	SW-6	Solid	10/26/21 00:00	10/27/21 09:02	
890-1488-23	SW-7	Solid	10/26/21 00:00	10/27/21 09:02	
890-1488-24	SW-8	Solid	10/26/21 00:00	10/27/21 09:02	
890-1488-25	SW-9	Solid	10/26/21 00:00	10/27/21 09:02	
890-1488-26	SW-10	Solid	10/26/21 00:00	10/27/21 09:02	
890-1488-27	SW-11	Solid	10/26/21 00:00	10/27/21 09:02	
890-1488-28	SW-12	Solid	10/26/21 00:00	10/27/21 09:02	
890-1488-29	SW-13	Solid	10/26/21 00:00	10/27/21 09:02	
890-1488-30	SW-14	Solid	10/26/21 00:00	10/27/21 09:02	
890-1488-31	SW-15	Solid	10/26/21 00:00	10/27/21 09:02	
890-1488-32	SW-16	Solid	10/26/21 00:00	10/27/21 09:02	
890-1488-33	SW-17	Solid	10/26/21 00:00	10/27/21 09:02	
890-1488-34	SW-18	Solid	10/26/21 00:00	10/27/21 09:02	

Analysis Request of Chain of Custody Record

Page 1 of 4

890-1488 Chain of Custody

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG Resources

Site Manager: Brittany Long

Project Name: Endurance 25 Fed 1

Project Location: (county, state) Lea County, New Mexico

Project #: 212C-MD-02594

Invoice to: Todd Wells

Receiving Laboratory: Xenco Eurofins

Sampler Signature: Myles Taylor

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE (YEAR: 2020)	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B / BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride / Sulfate / TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	BH-1 4.5'	10/26/21			X			X				X		X											X				
	BH-2 4.5'	10/26/21																											
	BH-3 4.5'	10/26/21																											
	BH-4 4.5'	10/26/21																											
	BH-5 4.5'	10/26/21																											
	BH-6 4.5'	10/26/21																											
	BH-7 4.5'	10/26/21																											
	BH-8 4.5'	10/26/21																											
	BH-9 4.5'	10/26/21																											
	BH-10 4.5'	10/26/21																											

ANALYSIS REQUEST (Circle or Specify Method No.)

Relinquished by: Myles Taylor Date: 10/27/21 Time:

Received by: Cloe Cuspo Date: 10.27.21 Time: 0902

Relinquished by: Date: Time:

Received by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:

LAB USE ONLY

Sample Temperature 1.4 1.2

REMARKS:

- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr 48 hr (72 hr)
- ☐ ~~Rush Charges Authorized~~
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG Resources

Site Manager: Brittany Long

Project Name: Endurance 25 Fed 1

Project Location: (county, state) Lea County, New Mexico

Project #: 212C-MD-02594

Invoice to: Todd Wells

Receiving Laboratory: Xenco Eurofins

Sampler Signature: Myles Tayh

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE (YEAR: 2020)	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: None	# CONTAINERS	FILTERED (Y/N)
	BH-11 4.5'	10/26/21			X			X			
	BH-12 4.5'	10/26/21									
	BH-13 4.5'	10/26/21									
	BH-14 4.5'	10/26/21									
	BH-15 4.5'	10/26/21									
	BH-16 4.5'	10/26/21									
	SW-1	10/26/21									
	SW-2	10/26/21									
	SW-3	10/26/21									
	SW-4	10/26/21									

ANALYSIS REQUEST (Circle or Specify Method No.)

	BTEX 8021B	BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
BH-11 4.5'	X			X												X							
BH-12 4.5'																							
BH-13 4.5'																							
BH-14 4.5'																							
BH-15 4.5'																							
BH-16 4.5'																							
SW-1																							
SW-2																							
SW-3																							
SW-4																							

Relinquished by: Myles Tayh Date: 10/27/21 Time:

Received by: Clee Cuff Date: 10.27.21 Time: 0902

Relinquished by: Date: Time:

Received by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:

LAB USE ONLY

Sample Temperature

REMARKS:

☐ STANDARD

☒ RUSH: Same Day 24 hr 48 hr (72 hr)

☐ ~~Rush Charges Authorized~~

☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #

ORIGINAL COPY

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG Resources
Site Manager: Brittany Long
Project Name: Endurance 25 Fed 1
Project Location: (county, state) Lea County, New Mexico
Project #: 212C-MD-02594
Invoice to: Todd Wells
Receiving Laboratory: Xenco Eurofins
Sampler Signature: Myles Taylor
Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD None	# CONTAINERS	FILTERED (Y/N)
	SW-5	10/26/21			X			X			
	SW-6	10/26/21									
	SW-7	10/26/21									
	SW-8	10/26/21									
	SW-9	10/26/21									
	SW-10	10/26/21									
	SW-11	10/26/21									
	SW-12	10/26/21									
	SW-13	10/26/21									
	SW-14	10/26/21									

ANALYSIS REQUEST (Circle or Specify Method No.)

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

Relinquished by: Myles Taylor Date: 10/27/21 Time:
Received by: Clue Cruz Date: 10.27.21 Time: 0902
Relinquished by: Date: Time:
Received by: Date: Time:
Relinquished by: Date: Time:
Received by: Date: Time:

LAB USE ONLY
Sample Temperature

REMARKS:
☐ STANDARD
☒ RUSH: Same Day 24 hr 48 hr (72 hr)
☐ Rush Charges Authorized
☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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Analysis Request of Chain of Custody Record

Page 4 of 4

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG Resources

Site Manager: Brittany Long

Project Name: Endurance 25 Fed 1

Project Location: (county, state) Lea County, New Mexico

Project #: 212C-MD-02594

Invoice to: Todd Wells

Receiving Laboratory: Xenco Eurofins

Sampler Signature: Myles Taylor

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: None	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	SW-15	10/26/21			X			X				X		X												X				
	SW-16	10/26/21			X			X				X		X												X				
	SW-17	10/26/21			X			X				X		X												X				
	SW-18	10/26/21			X			X				X		X												X				

ANALYSIS REQUEST (Circle or Specify Method No.)

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Myles Taylor	10/27/21		Clue Cruz	10.27.21	0902
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature

REMARKS:

☐ STANDARD

☒ RUSH: Same Day 24 hr 48 hr (72 hr)

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-484 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 4
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-1488-1
Address: 1211 W Florida Ave	Due Date Requested: 11/1/2021			
City: Midland	TAT Requested (days):			
State Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email:	WO #:			
Project Name: Endurance 25 Fed 1	Project #: 88000013			
Site:	SSOW#:			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH GRO-DRO-MRO	8021B/5035FP_Calc BTEX	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note
			Preservation Code:										
BH-1 4 5 (890-1488-1)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
BH-2 4 5 (890-1488-2)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
BH-3 4 5 (890-1488-3)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
BH-4 4 5 (890-1488-4)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
BH-5 4 5 (890-1488-5)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
BH-6 4 5 (890-1488-6)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
BH-7 4 5 (890-1488-7)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
BH-8 4 5 (890-1488-8)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
BH-9 4 5 (890-1488-9)	10/26/21	Mountain		Solid			X	X	X	X	X	1	

Preservation Codes

A HCL	M Hexane
B NaOH	N None
C Zn Acetate	O AsNaO2
D Nitric Acid	P Na2O4S
E NaHSO4	Q Na2SO3
F MeOH	R Na2S2O3
G Amchlor	S H2SO4
H Ascorbic Acid	T TSP Dodecahydrate
I Ice	U Acetone
J DI Water	V MCAA
K EDTA	W pH 4-5
L EDA	Z other (specify)

Other:

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

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ______ *Months*

Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature] 10.27.21			[signature] Kramer	10.28.21 1150	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks. 13/14

Ver: 06/08/2021

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone. 575-988-3199 Fax 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s)	COC No: 890-484 2
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 2 of 4
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-1488-1
Address: 1211 W Florida Ave	Due Date Requested: 11/1/2021			
City: Midland	TAT Requested (days):			
State Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #			
Project Name: Endurance 25 Fed 1	Project #: 88000013			
Site	SSOW#:			

Analysis Requested

Preservation Codes

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH GRO-DRO-MRO	8021B/8030SFP_Calc BTEX	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note.
			Preservation Code:										
BH-10 4 5 (890-1488-10)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
BH-11 4 5 (890-1488-11)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
BH-12 4 5 (890-1488-12)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
BH-13 4 5 (890-1488-13)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
BH-14 4 5 (890-1488-14)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
BH-15 4 5 (890-1488-15)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
BH-16 4 5 (890-1488-16)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
SW-1 (890-1488-17)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
SW-2 (890-1488-18)	10/26/21	Mountain		Solid			X	X	X	X	X	1	

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.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time.	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time:	Company
	Relinquished by: Clue Cluf 10.27.21					
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

Eurofins Xenco, Carlsbad
1089 N Canal St
Carlsbad NM 88220
Phone 575-988-3199 Fax. 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-484 3
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica kramer@eurofinset com	State of Origin: New Mexico	Page: Page 3 of 4
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana, NELAP - Texas		Job #: 890-1488-1
Address: 1211 W Florida Ave ,	Due Date Requested: 11/1/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email:	WO #:			
Project Name: Endurance 25 Fed 1	Project #: 88000013			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH GRO-DRO-MRO	8021B/8036FP_Calc BTEX	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SW-3 (890-1488-19)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
SW-4 (890-1488-20)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
SW-5 (890-1488-21)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
SW-6 (890-1488-22)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
SW-7 (890-1488-23)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
SW-8 (890-1488-24)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
SW-9 (890-1488-25)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
SW-10 (890-1488-26)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
SW-11 (890-1488-27)	10/26/21	Mountain		Solid			X	X	X	X	X	1	

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

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

1 2 3 4 5 6 7 8 9 10 11 12 13 14

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s)	COC No: 890-484 4
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 4 of 4
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana, NELAP - Texas		Job #: 890-1488-1
Address: 1211 W Florida Ave	Due Date Requested: 11/1/2021			
City: Midland	TAT Requested (days):			
State Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Endurance 25 Fed 1	Project #: 88000013			
Site:	SSOW#:			

Preservation Codes

A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA
M - Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Z other (specify)

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH GRO-DRO-MRO	8021B/5035FP_Calc BTEX	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note
			Preservation Code:										
SW-12 (890-1488-28)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
SW-13 (890-1488-29)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
SW-14 (890-1488-30)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
SW-15 (890-1488-31)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
SW-16 (890-1488-32)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
SW-17 (890-1488-33)	10/26/21	Mountain		Solid			X	X	X	X	X	1	
SW-18 (890-1488-34)	10/26/21	Mountain		Solid			X	X	X	X	X	1	

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.

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ________ *Months*

Deliverable Requested I II III IV Other (specify) — Primary Deliverable Rank 2

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:		
Relinquished by: Clue Cuf 10·27·21	Date/Time:	Company	Received by: [signature]	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-1488-1
SDG Number: 212C-MD-02594

Login Number: 1488
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

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	

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-1488-1
SDG Number: 212C-MD-02594

Login Number: 1488
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Xenco, Midland
List Creation: 10/28/21 11:55 AM

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	1.3/1.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-1574-1
Laboratory Sample Delivery Group: 212C-MD-02594
Client Project/Site: Endurance 25 Federal 1

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

Attn: Clair Gonzales

Jkramer

Authorized for release by:
11/17/2021 1:37:45 PM

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

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

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

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Federal 1

Laboratory Job ID: 890-1574-1
SDG: 212C-MD-02594

Table of Contents

Definitions/Glossary

Client: Tetra Tech, Inc. Job ID: 890-1574-1
Project/Site: Endurance 25 Federal 1 SDG: 212C-MD-02594

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Federal 1

Job ID: 890-1574-1
SDG: 212C-MD-02594

Job ID: 890-1574-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1574-1

Receipt
The samples were received on 11/15/2021 4:02 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C

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

GC Semi VOA
Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-12411 and analytical batch 880-12396 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

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

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Federal 1

Job ID: 890-1574-1
SDG: 212C-MD-02594

Client Sample ID: BH-17

Lab Sample ID: 890-1574-1
Matrix: Solid
Date Collected: 11/15/21 00:00
Date Received: 11/15/21 16:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/16/21 09:53	11/17/21 07:01	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/16/21 09:53	11/17/21 07:01	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/16/21 09:53	11/17/21 07:01	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/16/21 09:53	11/17/21 07:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/16/21 09:53	11/17/21 07:01	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/16/21 09:53	11/17/21 07:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*11/16/21 09:53*	*11/17/21 07:01*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*11/16/21 09:53*	*11/17/21 07:01*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/16/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/17/21 13:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/16/21 13:30	11/17/21 03:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U *-	50.0		mg/Kg		11/16/21 13:30	11/17/21 03:13	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/16/21 13:30	11/17/21 03:13	1
Total TPH	<50.0	U	50.0		mg/Kg		11/16/21 13:30	11/17/21 03:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*11/16/21 13:30*	*11/17/21 03:13*	*1*
o-Terphenyl	*93*		*70 - 130*	*11/16/21 13:30*	*11/17/21 03:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**279**		5.01		mg/Kg			11/16/21 20:51	1

Client Sample ID: SW-16

Lab Sample ID: 890-1574-2
Matrix: Solid
Date Collected: 11/15/21 00:00
Date Received: 11/15/21 16:02

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		11/16/21 09:53	11/17/21 07:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/16/21 09:53	11/17/21 07:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/16/21 09:53	11/17/21 07:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/16/21 09:53	11/17/21 07:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/16/21 09:53	11/17/21 07:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/16/21 09:53	11/17/21 07:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*11/16/21 09:53*	*11/17/21 07:22*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*11/16/21 09:53*	*11/17/21 07:22*	*1*

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Federal 1

Job ID: 890-1574-1
SDG: 212C-MD-02594

Client Sample ID: SW-16

Date Collected: 11/15/21 00:00
Date Received: 11/15/21 16:02

Lab Sample ID: 890-1574-2
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/16/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/17/21 13:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/16/21 13:00	11/17/21 03:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U *-	49.8		mg/Kg		11/16/21 13:00	11/17/21 03:33	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/16/21 13:00	11/17/21 03:33	1
Total TPH	<49.8	U	49.8		mg/Kg		11/16/21 13:00	11/17/21 03:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*11/16/21 13:00*	*11/17/21 03:33*	*1*
o-Terphenyl	*104*		*70 - 130*	*11/16/21 13:00*	*11/17/21 03:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.77**		4.98		mg/Kg			11/16/21 20:56	1

Client Sample ID: SW-17

Date Collected: 11/15/21 00:00
Date Received: 11/15/21 16:02

Lab Sample ID: 890-1574-3
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		11/16/21 09:53	11/17/21 07:42	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/16/21 09:53	11/17/21 07:42	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/16/21 09:53	11/17/21 07:42	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/16/21 09:53	11/17/21 07:42	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/16/21 09:53	11/17/21 07:42	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/16/21 09:53	11/17/21 07:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*156*	*S1+*	*70 - 130*	*11/16/21 09:53*	*11/17/21 07:42*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*11/16/21 09:53*	*11/17/21 07:42*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/16/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/17/21 13:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/16/21 13:30	11/17/21 03:54	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1574-1
Project/Site: Endurance 25 Federal 1 SDG: 212C-MD-02594

Client Sample ID: SW-17 Lab Sample ID: 890-1574-3

Date Collected: 11/15/21 00:00 **Matrix: Solid**
Date Received: 11/15/21 16:02

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U *-	49.9		mg/Kg		11/16/21 13:30	11/17/21 03:54	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/16/21 13:30	11/17/21 03:54	1
Total TPH	<49.9	U	49.9		mg/Kg		11/16/21 13:30	11/17/21 03:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*11/16/21 13:30*	*11/17/21 03:54*	*1*
o-Terphenyl	*88*		*70 - 130*	*11/16/21 13:30*	*11/17/21 03:54*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.2		4.95		mg/Kg			11/16/21 21:01	1

Client Sample ID: SW-18 Lab Sample ID: 890-1574-4

Date Collected: 11/15/21 00:00 **Matrix: Solid**
Date Received: 11/15/21 16:02

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		11/16/21 09:53	11/17/21 08:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/16/21 09:53	11/17/21 08:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/16/21 09:53	11/17/21 08:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/16/21 09:53	11/17/21 08:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/16/21 09:53	11/17/21 08:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/16/21 09:53	11/17/21 08:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*153*	*S1+*	*70 - 130*	*11/16/21 09:53*	*11/17/21 08:02*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*11/16/21 09:53*	*11/17/21 08:02*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/16/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/17/21 13:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/16/21 13:30	11/17/21 04:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U *-	49.9		mg/Kg		11/16/21 13:30	11/17/21 04:14	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/16/21 13:30	11/17/21 04:14	1
Total TPH	<49.9	U	49.9		mg/Kg		11/16/21 13:30	11/17/21 04:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*11/16/21 13:30*	*11/17/21 04:14*	*1*
o-Terphenyl	*93*		*70 - 130*	*11/16/21 13:30*	*11/17/21 04:14*	*1*

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1574-1
Project/Site: Endurance 25 Federal 1 SDG: 212C-MD-02594

Client Sample ID: SW-18 Lab Sample ID: 890-1574-4

Date Collected: 11/15/21 00:00 **Matrix: Solid**
Date Received: 11/15/21 16:02

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/16/21 21:06	1

Client Sample ID: SW-19 Lab Sample ID: 890-1574-5

Date Collected: 11/15/21 00:00 **Matrix: Solid**
Date Received: 11/15/21 16:02

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/16/21 09:53	11/17/21 08:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/16/21 09:53	11/17/21 08:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/16/21 09:53	11/17/21 08:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/16/21 09:53	11/17/21 08:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/16/21 09:53	11/17/21 08:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/16/21 09:53	11/17/21 08:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*11/16/21 09:53*	*11/17/21 08:23*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*11/16/21 09:53*	*11/17/21 08:23*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/16/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/17/21 13:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/16/21 13:00	11/17/21 04:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U *-	49.9		mg/Kg		11/16/21 13:00	11/17/21 04:34	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/16/21 13:00	11/17/21 04:34	1
Total TPH	<49.9	U	49.9		mg/Kg		11/16/21 13:00	11/17/21 04:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*11/16/21 13:00*	*11/17/21 04:34*	*1*
o-Terphenyl	*106*		*70 - 130*	*11/16/21 13:00*	*11/17/21 04:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.73**		4.96		mg/Kg			11/16/21 21:10	1

Client Sample ID: SW-20 Lab Sample ID: 890-1574-6

Date Collected: 11/15/21 00:00 **Matrix: Solid**
Date Received: 11/15/21 16:02

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		11/16/21 09:53	11/17/21 08:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/16/21 09:53	11/17/21 08:43	1

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Federal 1

Job ID: 890-1574-1
SDG: 212C-MD-02594

Client Sample ID: SW-20
Date Collected: 11/15/21 00:00
Date Received: 11/15/21 16:02

Lab Sample ID: 890-1574-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/16/21 09:53	11/17/21 08:43	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		11/16/21 09:53	11/17/21 08:43	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/16/21 09:53	11/17/21 08:43	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		11/16/21 09:53	11/17/21 08:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*11/16/21 09:53*	*11/17/21 08:43*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*11/16/21 09:53*	*11/17/21 08:43*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			11/16/21 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/17/21 13:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/16/21 13:00	11/17/21 04:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U *-	49.8		mg/Kg		11/16/21 13:00	11/17/21 04:55	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/16/21 13:00	11/17/21 04:55	1
Total TPH	<49.8	U	49.8		mg/Kg		11/16/21 13:00	11/17/21 04:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*11/16/21 13:00*	*11/17/21 04:55*	*1*
o-Terphenyl	*90*		*70 - 130*	*11/16/21 13:00*	*11/17/21 04:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**40.3**		4.99		mg/Kg			11/16/21 21:15	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Federal 1

Job ID: 890-1574-1
SDG: 212C-MD-02594

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-1574-1	BH-17	117	103
890-1574-2	SW-16	119	103
890-1574-3	SW-17	156 S1+	108
890-1574-4	SW-18	153 S1+	89
890-1574-5	SW-19	118	97
890-1574-6	SW-20	109	99
890-1575-A-1-A MS	Matrix Spike	126	105
890-1575-A-1-B MSD	Matrix Spike Duplicate	117	102
LCS 880-12430/1-A	Lab Control Sample	115	105
LCSD 880-12430/2-A	Lab Control Sample Dup	119	108
MB 880-12349/5-A	Method Blank	125	97
MB 880-12430/5-A	Method Blank	121	97

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-8307-A-1-C MS	Matrix Spike	97	93
880-8307-A-1-D MSD	Matrix Spike Duplicate	98	93
890-1574-1	BH-17	88	93
890-1574-2	SW-16	100	104
890-1574-3	SW-17	85	88
890-1574-4	SW-18	91	93
890-1574-5	SW-19	102	106
890-1574-6	SW-20	88	90
LCS 880-12411/2-A	Lab Control Sample	91	90
LCSD 880-12411/3-A	Lab Control Sample Dup	81	84
MB 880-12411/1-A	Method Blank	95	105

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Federal 1

Job ID: 890-1574-1
SDG: 212C-MD-02594

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-12349/5-A
Matrix: Solid
Analysis Batch: 12415

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12349

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/15/21 15:49	11/16/21 11:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/15/21 15:49	11/16/21 11:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/15/21 15:49	11/16/21 11:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/15/21 15:49	11/16/21 11:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/15/21 15:49	11/16/21 11:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/15/21 15:49	11/16/21 11:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*11/15/21 15:49*	*11/16/21 11:49*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*11/15/21 15:49*	*11/16/21 11:49*	*1*

Lab Sample ID: 890-1575-A-1-A MS
Matrix: Solid
Analysis Batch: 12415

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

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: MB 880-12430/5-A
Matrix: Solid
Analysis Batch: 12415

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12430

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/16/21 09:53	11/17/21 01:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/16/21 09:53	11/17/21 01:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/16/21 09:53	11/17/21 01:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/16/21 09:53	11/17/21 01:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/16/21 09:53	11/17/21 01:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/16/21 09:53	11/17/21 01:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*11/16/21 09:53*	*11/17/21 01:13*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*11/16/21 09:53*	*11/17/21 01:13*	*1*

Lab Sample ID: LCS 880-12430/1-A
Matrix: Solid
Analysis Batch: 12415

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12430

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08893		mg/Kg		89	70 - 130
Toluene	0.100	0.08065		mg/Kg		81	70 - 130
Ethylbenzene	0.100	0.08346		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	0.200	0.1777		mg/Kg		89	70 - 130
o-Xylene	0.100	0.08746		mg/Kg		87	70 - 130

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 890-1574-1
Project/Site: Endurance 25 Federal 1 SDG: 212C-MD-02594

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

Lab Sample ID: LCS 880-12430/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 12415 **Prep Batch: 12430**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-12430/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 12415 **Prep Batch: 12430**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09925		mg/Kg		99	70 - 130	11	35
Toluene			0.100	0.08893		mg/Kg		89	70 - 130	10	35
Ethylbenzene			0.100	0.09243		mg/Kg		92	70 - 130	10	35
m-Xylene & p-Xylene			0.200	0.1960		mg/Kg		98	70 - 130	10	35
o-Xylene			0.100	0.09798		mg/Kg		98	70 - 130	11	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: 890-1575-A-1-B MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 12415 **Prep Batch: 12430**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.07376		mg/Kg					
Toluene	<0.00201	U	0.100	0.06262		mg/Kg					
Ethylbenzene	<0.00201	U	0.100	0.06447		mg/Kg					
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1339		mg/Kg					
o-Xylene	<0.00201	U	0.100	0.06763		mg/Kg					

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

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

Lab Sample ID: MB 880-12411/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 12396 **Prep Batch: 12411**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/16/21 08:31	11/16/21 21:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/16/21 08:31	11/16/21 21:00	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/16/21 08:31	11/16/21 21:00	1
Total TPH	<50.0	U	50.0		mg/Kg		11/16/21 08:31	11/16/21 21:00	1

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Federal 1

Job ID: 890-1574-1
SDG: 212C-MD-02594

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

Lab Sample ID: MB 880-12411/1-A
Matrix: Solid
Analysis Batch: 12396

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12411

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	11/16/21 08:31	11/16/21 21:00	1
o-Terphenyl	105		70 - 130	11/16/21 08:31	11/16/21 21:00	1

Lab Sample ID: LCS 880-12411/2-A
Matrix: Solid
Analysis Batch: 12396

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12411

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	856.8		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	689.5	*-	mg/Kg		69	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: LCSD 880-12411/3-A
Matrix: Solid
Analysis Batch: 12396

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 12411

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	949.7		mg/Kg		95	70 - 130	10	20
Diesel Range Organics (Over C10-C28)			1000	748.4		mg/Kg		75	70 - 130	8	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	81		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: 880-8307-A-1-C MS
Matrix: Solid
Analysis Batch: 12396

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 12411

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1176		mg/Kg		118	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U *-	997	849.9		mg/Kg		85	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	93		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Federal 1

Job ID: 890-1574-1
SDG: 212C-MD-02594

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

Lab Sample ID: 880-8307-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 12396 — **Prep Batch: 12411**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1186		mg/Kg		119	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U *-	998	858.4		mg/Kg		86	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*93*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-12437/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 12500

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/16/21 18:53	1

Lab Sample ID: LCS 880-12437/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 12500

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	245.8		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-12437/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 12500

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	249.4		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 890-1575-A-11-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 12500

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	18.9		248	281.5		mg/Kg		106	90 - 110

Lab Sample ID: 890-1575-A-11-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 12500

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	18.9		248	283.1		mg/Kg		107	90 - 110	1	20

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Federal 1

Job ID: 890-1574-1
SDG: 212C-MD-02594

GC VOA

Analysis Batch: 12338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1574-1	BH-17	Total/NA	Solid	Total BTEX	
890-1574-2	SW-16	Total/NA	Solid	Total BTEX	
890-1574-3	SW-17	Total/NA	Solid	Total BTEX	
890-1574-4	SW-18	Total/NA	Solid	Total BTEX	
890-1574-5	SW-19	Total/NA	Solid	Total BTEX	
890-1574-6	SW-20	Total/NA	Solid	Total BTEX	

Prep Batch: 12349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-12349/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 12415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1574-1	BH-17	Total/NA	Solid	8021B	12430
890-1574-2	SW-16	Total/NA	Solid	8021B	12430
890-1574-3	SW-17	Total/NA	Solid	8021B	12430
890-1574-4	SW-18	Total/NA	Solid	8021B	12430
890-1574-5	SW-19	Total/NA	Solid	8021B	12430
890-1574-6	SW-20	Total/NA	Solid	8021B	12430
MB 880-12349/5-A	Method Blank	Total/NA	Solid	8021B	12349
MB 880-12430/5-A	Method Blank	Total/NA	Solid	8021B	12430
LCS 880-12430/1-A	Lab Control Sample	Total/NA	Solid	8021B	12430
LCSD 880-12430/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	12430
890-1575-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	
890-1575-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	12430

Prep Batch: 12430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1574-1	BH-17	Total/NA	Solid	5035	
890-1574-2	SW-16	Total/NA	Solid	5035	
890-1574-3	SW-17	Total/NA	Solid	5035	
890-1574-4	SW-18	Total/NA	Solid	5035	
890-1574-5	SW-19	Total/NA	Solid	5035	
890-1574-6	SW-20	Total/NA	Solid	5035	
MB 880-12430/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-12430/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-12430/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1575-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 12396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1574-1	BH-17	Total/NA	Solid	8015B NM	12411
890-1574-2	SW-16	Total/NA	Solid	8015B NM	12411
890-1574-3	SW-17	Total/NA	Solid	8015B NM	12411
890-1574-4	SW-18	Total/NA	Solid	8015B NM	12411
890-1574-5	SW-19	Total/NA	Solid	8015B NM	12411
890-1574-6	SW-20	Total/NA	Solid	8015B NM	12411
MB 880-12411/1-A	Method Blank	Total/NA	Solid	8015B NM	12411
LCS 880-12411/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	12411

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Federal 1

Job ID: 890-1574-1
SDG: 212C-MD-02594

GC Semi VOA (Continued)

Analysis Batch: 12396 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-12411/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	12411
880-8307-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	12411
880-8307-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	12411

Prep Batch: 12411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1574-1	BH-17	Total/NA	Solid	8015NM Prep	
890-1574-2	SW-16	Total/NA	Solid	8015NM Prep	
890-1574-3	SW-17	Total/NA	Solid	8015NM Prep	
890-1574-4	SW-18	Total/NA	Solid	8015NM Prep	
890-1574-5	SW-19	Total/NA	Solid	8015NM Prep	
890-1574-6	SW-20	Total/NA	Solid	8015NM Prep	
MB 880-12411/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-12411/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-12411/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-8307-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-8307-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 12574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1574-1	BH-17	Total/NA	Solid	8015 NM	
890-1574-2	SW-16	Total/NA	Solid	8015 NM	
890-1574-3	SW-17	Total/NA	Solid	8015 NM	
890-1574-4	SW-18	Total/NA	Solid	8015 NM	
890-1574-5	SW-19	Total/NA	Solid	8015 NM	
890-1574-6	SW-20	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 12437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1574-1	BH-17	Soluble	Solid	DI Leach	
890-1574-2	SW-16	Soluble	Solid	DI Leach	
890-1574-3	SW-17	Soluble	Solid	DI Leach	
890-1574-4	SW-18	Soluble	Solid	DI Leach	
890-1574-5	SW-19	Soluble	Solid	DI Leach	
890-1574-6	SW-20	Soluble	Solid	DI Leach	
MB 880-12437/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-12437/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-12437/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1575-A-11-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1575-A-11-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 12500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1574-1	BH-17	Soluble	Solid	300.0	12437
890-1574-2	SW-16	Soluble	Solid	300.0	12437
890-1574-3	SW-17	Soluble	Solid	300.0	12437
890-1574-4	SW-18	Soluble	Solid	300.0	12437
890-1574-5	SW-19	Soluble	Solid	300.0	12437
890-1574-6	SW-20	Soluble	Solid	300.0	12437

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Federal 1

Job ID: 890-1574-1
SDG: 212C-MD-02594

HPLC/IC (Continued)

Analysis Batch: 12500 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-12437/1-A	Method Blank	Soluble	Solid	300.0	12437
LCS 880-12437/2-A	Lab Control Sample	Soluble	Solid	300.0	12437
LCSD 880-12437/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	12437
890-1575-A-11-C MS	Matrix Spike	Soluble	Solid	300.0	12437
890-1575-A-11-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	12437

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-1574-1
Project/Site: Endurance 25 Federal 1 SDG: 212C-MD-02594

Client Sample ID: BH-17 Lab Sample ID: 890-1574-1

Date Collected: 11/15/21 00:00 **Matrix: Solid**
Date Received: 11/15/21 16:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			12430	11/16/21 09:53	KL	XEN MID
Total/NA	Analysis	8021B		1	12415	11/17/21 07:01	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	12338	11/16/21 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			12411	11/16/21 13:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1	12396	11/17/21 03:13	AJ	XEN MID
Soluble	Leach	DI Leach			12437	11/16/21 10:12	CH	XEN MID
Soluble	Analysis	300.0		1	12500	11/16/21 20:51	CH	XEN MID

Client Sample ID: SW-16 Lab Sample ID: 890-1574-2

Date Collected: 11/15/21 00:00 **Matrix: Solid**
Date Received: 11/15/21 16:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			12430	11/16/21 09:53	KL	XEN MID
Total/NA	Analysis	8021B		1	12415	11/17/21 07:22	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	12338	11/16/21 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			12411	11/16/21 13:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1	12396	11/17/21 03:33	AJ	XEN MID
Soluble	Leach	DI Leach			12437	11/16/21 10:12	CH	XEN MID
Soluble	Analysis	300.0		1	12500	11/16/21 20:56	CH	XEN MID

Client Sample ID: SW-17 Lab Sample ID: 890-1574-3

Date Collected: 11/15/21 00:00 **Matrix: Solid**
Date Received: 11/15/21 16:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			12430	11/16/21 09:53	KL	XEN MID
Total/NA	Analysis	8021B		1	12415	11/17/21 07:42	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	12338	11/16/21 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			12411	11/16/21 13:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1	12396	11/17/21 03:54	AJ	XEN MID
Soluble	Leach	DI Leach			12437	11/16/21 10:12	CH	XEN MID
Soluble	Analysis	300.0		1	12500	11/16/21 21:01	CH	XEN MID

Client Sample ID: SW-18 Lab Sample ID: 890-1574-4

Date Collected: 11/15/21 00:00 **Matrix: Solid**
Date Received: 11/15/21 16:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			12430	11/16/21 09:53	KL	XEN MID
Total/NA	Analysis	8021B		1	12415	11/17/21 08:02	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	12338	11/16/21 14:23	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 890-1574-1
Project/Site: Endurance 25 Federal 1 SDG: 212C-MD-02594

Client Sample ID: SW-18 Lab Sample ID: 890-1574-4

Date Collected: 11/15/21 00:00 **Matrix: Solid**
Date Received: 11/15/21 16:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1	12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			12411	11/16/21 13:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1	12396	11/17/21 04:14	AJ	XEN MID
Soluble	Leach	DI Leach			12437	11/16/21 10:12	CH	XEN MID
Soluble	Analysis	300.0		1	12500	11/16/21 21:06	CH	XEN MID

Client Sample ID: SW-19 Lab Sample ID: 890-1574-5

Date Collected: 11/15/21 00:00 **Matrix: Solid**
Date Received: 11/15/21 16:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			12430	11/16/21 09:53	KL	XEN MID
Total/NA	Analysis	8021B		1	12415	11/17/21 08:23	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	12338	11/16/21 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			12411	11/16/21 13:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1	12396	11/17/21 04:34	AJ	XEN MID
Soluble	Leach	DI Leach			12437	11/16/21 10:12	CH	XEN MID
Soluble	Analysis	300.0		1	12500	11/16/21 21:10	CH	XEN MID

Client Sample ID: SW-20 Lab Sample ID: 890-1574-6

Date Collected: 11/15/21 00:00 **Matrix: Solid**
Date Received: 11/15/21 16:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			12430	11/16/21 09:53	KL	XEN MID
Total/NA	Analysis	8021B		1	12415	11/17/21 08:43	KL	XEN MID
Total/NA	Analysis	Total BTEX		1	12338	11/16/21 14:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			12411	11/16/21 13:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1	12396	11/17/21 04:55	AJ	XEN MID
Soluble	Leach	DI Leach			12437	11/16/21 10:12	CH	XEN MID
Soluble	Analysis	300.0		1	12500	11/16/21 21:15	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Federal 1

Job ID: 890-1574-1
SDG: 212C-MD-02594

Laboratory: Eurofins Xenco, Midland

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

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

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

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

Method Summary

Client: Tetra Tech, Inc. Job ID: 890-1574-1
Project/Site: Endurance 25 Federal 1 SDG: 212C-MD-02594

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (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.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

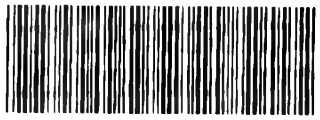
Sample Summary

Client: Tetra Tech, Inc.
Project/Site: Endurance 25 Federal 1

Job ID: 890-1574-1
SDG: 212C-MD-02594

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-1574-1	BH-17	Solid	11/15/21 00:00	11/15/21 16:02
890-1574-2	SW-16	Solid	11/15/21 00:00	11/15/21 16:02
890-1574-3	SW-17	Solid	11/15/21 00:00	11/15/21 16:02
890-1574-4	SW-18	Solid	11/15/21 00:00	11/15/21 16:02
890-1574-5	SW-19	Solid	11/15/21 00:00	11/15/21 16:02
890-1574-6	SW-20	Solid	11/15/21 00:00	11/15/21 16:02

Analysis Request of Chain of Custody Record



890-1574 Chain of Custody

Page 1 of 1

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG Resources	Site Manager: Brittany Long
Project Name: Endurance 25 Federal 1	
Project Location: (county, state) Lea County, New Mexico	Project #: 212C-MD-02594
Invoice to: EOG - Todd Wells	
Receiving Laboratory: Eurofins Xenco	Sampler Signature: Ezequiel Moreno Flores
Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE (YEAR: 2020)	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: None	# CONTAINERS	FILTERED (Y/N)
	BH-17	11/15/2021			X				X			
	SW-16	11/15/2021			X				X			
	SW-17	11/15/2021			X				X			
	SW-18	11/15/2021			X				X			
	SW-19	11/15/2021			X				X			
	SW-20	11/15/2021			X				X			

ANALYSIS REQUEST (Circle or Specify Method No.)

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

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	11/15/21	1601	[signature]	11/15/21	4:02
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature: 5.0/4.8

REMARKS:

- ☐ STANDARD
- ☒ RUSH: Same Day 24 hr 48 hr (72 hr)
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s)	COC No: 890-508 1
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica.kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #: 890-1574-1
Address: 1211 W Florida Ave,	Due Date Requested: 11/18/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Endurance 25 Federal 1	Project #: 88000013			
Site	SSOW#:			

Analysis Requested

Preservation Codes

A HCL — M Hexane
B NaOH — N None
C Zn Acetate — O AsNaO2
D Nitric Acid — P Na2O4S
E NaHSO4 — Q Na2SO3
F MeOH — R Na2S2O3
G Amchlor — S H2SO4
H Ascorbic Acid — T TSP Dodecahydrate
I Ice — U Acetone
J DI Water — V MCAA
K EDTA — W pH 4-5
L EDA — Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH GRO-DRO-MRO	8021B/5035FP_Calc BTEX	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
BH-17 (890-1574-1)	11/15/21	Mountain		Solid			X	X	X	X	X	1	
SW-16 (890-1574-2)	11/15/21	Mountain		Solid			X	X	X	X	X	1	
SW-17 (890-1574-3)	11/15/21	Mountain		Solid			X	X	X	X	X	1	
SW-18 (890-1574-4)	11/15/21	Mountain		Solid			X	X	X	X	X	1	
SW-19 (890-1574-5)	11/15/21	Mountain		Solid			X	X	X	X	X	1	
SW-20 (890-1574-6)	11/15/21	Mountain		Solid			X	X	X	X	X	1	

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.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by: 11.16.21					
Relinquished by	Date/Time	Company	Received by	Date/Time.	Company
Relinquished by	Date/Time.	Company	Received by	Date/Time	Company

Custody Seals Intact Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-1574-1
SDG Number: 212C-MD-02594

Login Number: 1574
List Number: 1
Creator: Olivas, Nathaniel

List Source: Eurofins Xenco, Carlsbad

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	

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 890-1574-1
SDG Number: 212C-MD-02594

Login Number: 1574
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Xenco, Midland
List Creation: 11/16/21 01:15 PM

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.	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").	True	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 67892

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 67892
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	1/13/2022