

SITE INFORMATION

Report Type: Closure Report nAPP2313637124

General Site Information:

Site:	Stark 33 Fed Com #704H				
Company:	EOG Resources				
Section, Township and Range	Unit N	Sec. 4	T 26S	R 30E	
Lease Number:					
County:	Eddy County				
GPS:	32.064528°			-103.889417°	
Surface Owner:	Federal				
Mineral Owner:					
Directions:	From the intersection of Whitehorn Rd and 285, travel east on whitehorn rd for 4.11 miles. Turn left (Northeast) onto pipeline road and follow for 6.44 miles to site. 32.064528, -103.889417				

Release Data:

Date Released:	5/5/2023
Type Release:	Reuse Water
Source of Contamination:	Lay Flat Line
Fluid Released:	15 bbl water
Fluids Recovered:	5 bbl 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, 79701
Phone number:	(432) 686-3613		(432) 682-4559
Fax:			
Email:	Todd_Wells@eogresources.com		clair.gonzales@tetrattech.com

Site Characterization

Depth to Groundwater:	200'
Karst Potential:	Medium

Recommended Remedial Action Levels (RRALs)

Benzene	Total BTEX	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	Chlorides
10 mg/kg	50 mg/kg	100 mg/kg	100 mg/kg	600 mg/kg



May 30, 2024

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

**RE: Closure Report
EOG Resources
Stark 33 Fed Com #704H
Eddy County, New Mexico
nAPP2313637124**

Oil Conservation Division:

Tetra Tech, Inc. (Tetra Tech) was contacted by EOG Resources (EOG) to assess a release that occurred at the Stark 33 Fed Com #704H, Unit D, Section 33, Township 25 South, Range 30 East, Eddy County, New Mexico (Site). The spill site coordinates are 32.064249°, -103.889290°. The site location is shown on **Figures 1 and 2**.

Background

According to the State of New Mexico C-141 Initial Report, the release at the Stark 33 Fed Com #704H was caused by a punctured lay flat line, causing the release of 15 bbls of produced water, the release was along a lay flat line in the pasture, impacting an area of 84' X 83'. Additionally, approximately 5 bbls of fluids were recovered. The release was discovered on May 5, 2023, and reported to the New Mexico Oil Conservation Division (NMOCD) on May 16, 2023. The C-141 is shown in **Appendix A**.

Site Characterization

Significant Water Features

According to the NFHL (National Flood Hazard Layer) Flood Data Application and the USGS (United States Geological Survey) National Water Information System Mapper, there were no lakebeds, sinkholes, playa lakes, springs, wetlands, subsurface mines, private domestic water wells, or floodplains located within the specified distances. However, the site is located within 300' of a draw and is located within a medium karst area. The NFHL Map and USGS Mapper are shown in **Appendix B**.

Significant Boundaries

According to Google Earth US Government City Boundaries and US School Districts, the lateral extents of the release were not within an incorporated municipal boundary, defined



municipal fresh water well field, or a school district. Additionally, there were no occupied permanent residences, schools, hospitals, institution, or churches located within the specified distances of the lateral extents of the release.

Groundwater Review

Groundwater research was completed for the site through the USGS (United States Geological Survey) National Water Information System and New Mexico Office of the State Engineer (NMOSE) Water Rights Reporting System. Groundwater research conducted through these two resources show the two closest water wells within a 1-mile radius of the Site. The well reported on the USGS National Water Information System reports a total depth of 200 ft bgs with water level measured at 163.83 ft bgs and is approximately 0.35 miles of the Site. The well reported on the NMOSE Water Rights Reporting System reports a total depth of 700 ft bgs and measured water level of 200 ft bgs and is approximately 0.67 miles of the Site. Additionally, EOG installed a soil bore to a depth of 55 ft bgs approximately 0.40 miles from the Site, and no groundwater was encountered. The groundwater information is shown in **Appendix B**.

Distance from Site	Date of Data	Resource of Information	Depth of Well	Depth to Water
0.35 Miles	2/18/1959	USGS	200'	163.83'
0.40 Miles	7/12/2022	EOG	55'	>55'
0.67 Miles	6/7/2011	NMOSE	700'	200'

Regulatory

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

Site Assessment Activities

Tetra Tech conducted site assessment activities on May 12, 2023. A total of five (5) auger holes (AH-1 through AH-5) were installed to total depths of 4.5 ft bgs to attempt to assess and vertically delineate the impacted the area. Additionally, a total of eight (8) horizontals (H-1 through H-8) were installed to total depths of 0.5 ft bgs, to horizontally delineate the impact. The sample locations are shown on **Figure 3**.

The samples were submitted to Eurofins Midland to be analyzed for TPH method 8015 modified, BTEX method 8021B, and Chloride by EPA Method 300. The analytical results are summarized in **Table 1** and the analytical laboratory reports are included in **Appendix C**.



Referring to Table 1, all of the augerhole and horizontal samples (AH-1 through AH-5, and H-1 through H-8) indicated benzene, BTEX, TPH, and chloride concentrations below RRALs, with the exception of auger hole (AH-5) at a depth of 4.5 ft bgs, with a TPH concentration of 108 mg/kg. On January 18, 2024, Tetra Tech returned to the site and resampled all depths of auger hole (AH-5) to gather additional data of the area. Referring to Table 1, all recollected samples of auger hole (AH-5) indicated benzene, BTEX, TPH, and chloride concentrations below RRALs. It is likely that the previously reported TPH concentration of 108 mg/kg naturally attenuated below laboratory detection limits in the months between sampling events.

Conclusions

Based on the C-141 (nAPP2313637124) and information provided by EOG, Tetra Tech performed site characterization and groundwater research to determine groundwater depth, proximity from significant water features, and proximity from specified populated entities to determine RRALs and assess the impacted area. Based on the OCD *Guidelines for Remediation of Leaks, Spills, and Releases*, updated August 14, 2018, according to the site characterization data found during research activities, the RRALs of 600 mg/kg for chlorides and 100 mg/kg for TPH were followed for site. Based on Tetra Tech assessment activities, laboratory results for all areas sampled indicated concentrations below RRALs.

Based on this information, it is recommended that the Site requires no further action and be considered for closure. The final C-141 is included in **Appendix A**.

If you require any additional information or have any questions or comments, please contact us at (432) 682-4559.

Respectfully submitted,
TETRA TECH

Handwritten signature of Ezequiel Moreno in black ink.

Ezequiel Moreno,
Geologist

Handwritten signature of Brittany Long in black ink.

Brittany Long,
Project Manager

Handwritten signature of Clair Gonzales in blue ink.

Clair Gonzales, P.G.
Senior Project Manager



Figures

NORTH



SITE LOCATOR MAP

Malaga

River Village Rd

Malaga

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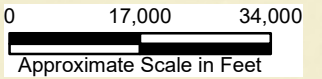
Malaga

**STARK 33 FED COM #704H
LAY FLAT RELEASE #2**



Legend

 SITE LOCATION



www.tetratech.com

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

EOG RESOURCES

**OVERVIEW MAP
STARK 33 FED COM #704H LAY FLAT RELEASE**

EDDY COUNTY, NEW MEXICO
(32.064249°, -103.889290°)

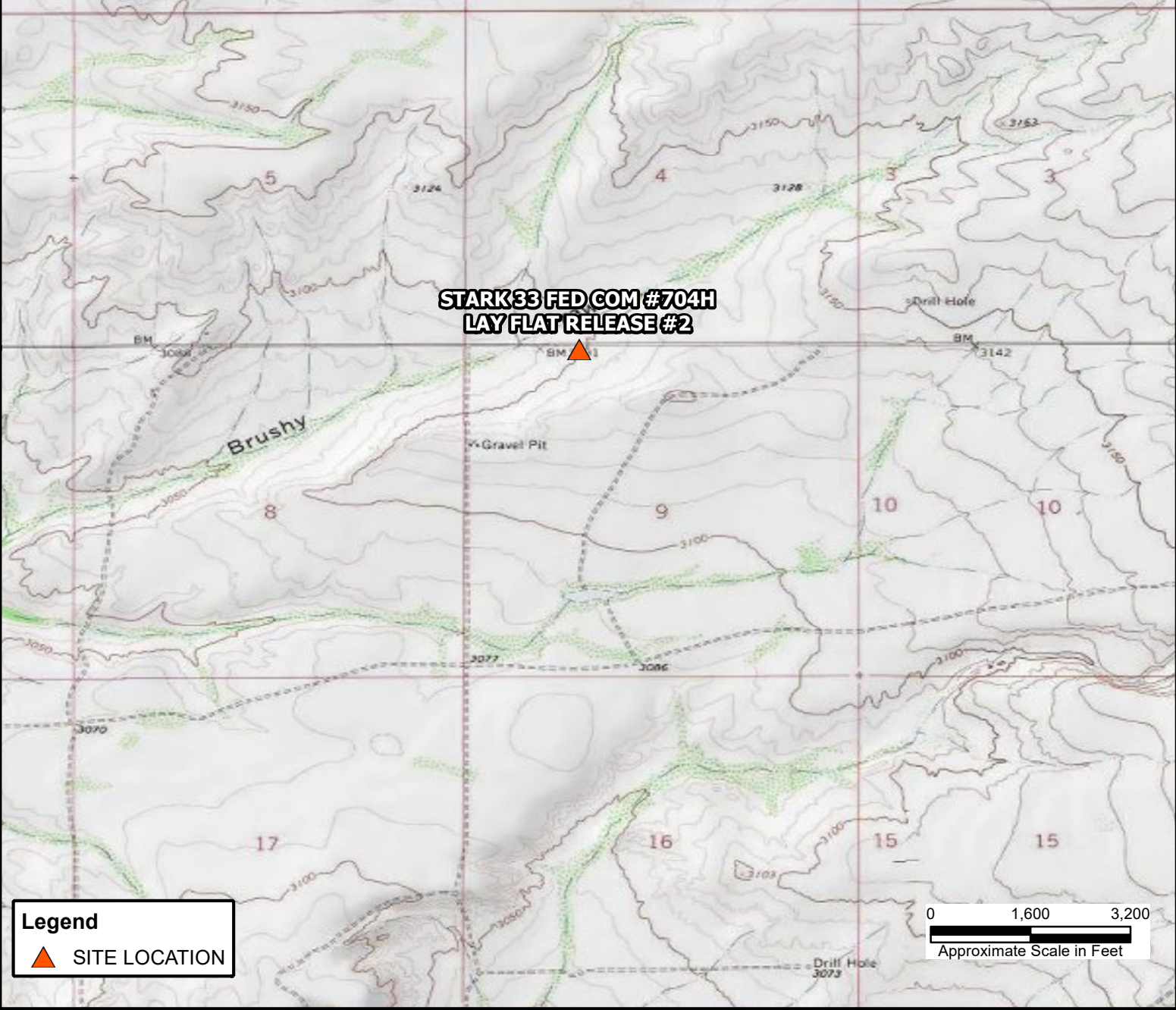
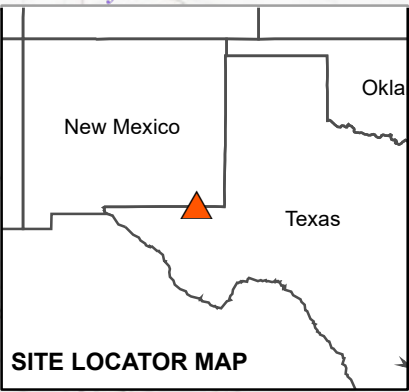
PROJECT NO.: 212C-MD-03075

DATE: MAY 16, 2023

DESIGNED BY: EMF

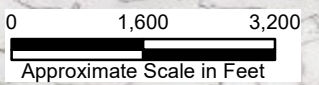
Figure No.

1



Legend

SITE LOCATION



TETRA TECH

www.tetrattech.com

901 West Wall Street, Suite 100
Midland, Texas 79701
Phone: (432) 682-4559
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EOG RESOURCES

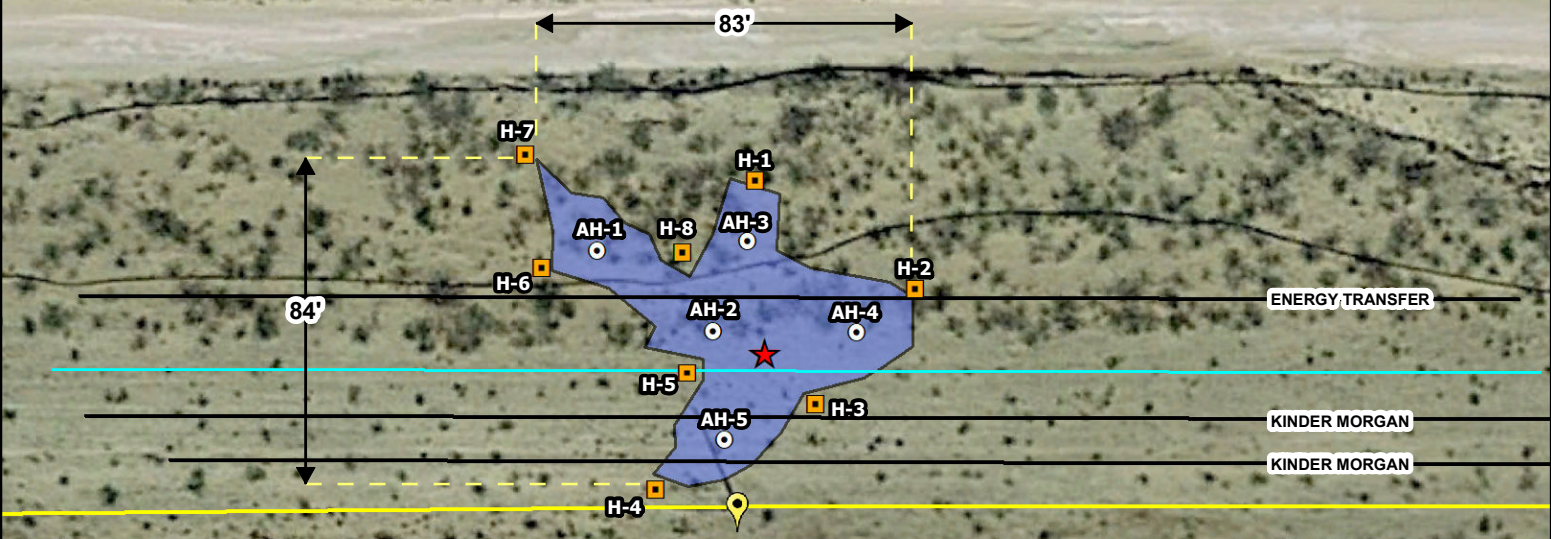
TOPOGRAPHIC MAP
STARK 33 FED COM #704H LAY FLAT RELEASE
EDDY COUNTY, NEW MEXICO
(32.064366°, -103.894500°)

PROJECT NO.:	212C-MD-03075
DATE:	MAY 16, 2023
DESIGNED BY:	EMF
Figure No.	2

NORTH

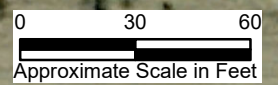


SITE LOCATOR MAP



Legend

- ★ RELEASE POINT
- ⊙ AUGERHOLE SAMPLE LOCATIONS
- HORIZONTAL SAMPLE LOCATIONS
- 📍 POWERLINE POLE
- SURFACE POLYLINES
- SUBSURFACE PIPELINES
- OVERHEAD POWERLINES
- SPILL EXTENT



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EOG RESOURCES

SITE ASSESSMENT MAP STARK 33 FED COM #704H LAY FLAT RELEASE

EDDY COUNTY, NEW MEXICO
(32.064249°, -103.889290°)

PROJECT NO.: 212C-MD-03075

DATE: MAY 16, 2023

DESIGNED BY: EMF

Figure No.

3



Tables

Table 1
EOG Resources
Stark 33 Water Release #2
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				BTEX (mg/kg)					Chloride (mg/kg)	
			In-Situ	Removed	GRO mg/kg	DRO mg/kg	ORO mg/kg	Total mg/kg	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	Total (mg/Kg)		
RRALs															
									100	10				50	600
									mg/kg	mg/kg				mg/kg	mg/kg
Assessment															
AH-1	5/12/2023	1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	39.2	
	"	1.5	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	39.3	
	"	2.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	43.1	
	"	3.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	47.9	
	"	4.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	39.5	
AH-2	5/12/2023	1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	45.3	
	"	1.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	39.3	
	"	2.5	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	37.6	
	"	3.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	40.6	
	"	4.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	41.9	
AH-3	5/12/2023	1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	66.8	
	"	1.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	81.5	
	"	2.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	92.7	
	"	3.5	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	156	
	"	4.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	163	
AH-4	5/12/2023	1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	43.4	
	"	1.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	41.5	
	"	2.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	44.3	
	"	3.5	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	44.0	
	"	4.5	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	51.9	
AH-5	5/12/2023	1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	44.0	
	"	1.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	51.7	
	"	2.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	0.00256	<0.00199	<0.00398	<0.00398	56.1	
	"	3.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	54.0	
	"	4.5	X	-	<50.0	108	<50.0	108	<0.00199	0.0127	0.00218	0.00815	0.0230	55.5	
AH-5	1/18/2024	1	X	-	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	34.1	
	"	1.5	X	-	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	70.5	
	"	2.5	X	-	<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	105	
	"	3.5	X	-	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	116	
	"	4.5	X	-	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	123	

**Table 1
EOG Resources
Stark 33 Water Release #2
Eddy County, New Mexico**

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				BTEX (mg/kg)					Chloride (mg/kg)		
			In-Situ	Removed	GRO mg/kg	DRO mg/kg	ORO mg/kg	Total mg/kg	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	Total (mg/Kg)			
RRALs					100 mg/kg				10 mg/kg					50 mg/kg		600 mg/kg
H-1	5/12/2023	0-0.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	46.6		
H-2	5/12/2023	0-0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	39.1		
H-3	5/12/2023	0-0.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	40.5		
H-4	5/12/2023	0-0.5	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	41.7		
H-5	5/12/2023	0-0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	43.8		
H-6	5/12/2023	0-0.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	49.0		
H-7	5/12/2023	0-0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	40.9		
H-8	5/12/2023	0-0.5	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	37.7		

NOTES

RRALs (Recommended Remediation Action Levels) are based on NMOCD (New Mexico Oil Conservation Division) *Guidelines for Remediation of Leaks*,

All screening values and results are presented in milligrams per kilogram (mg/kg)

Bolded cells represent a detected concentration above the respective screening value.

< = analyte was not detected above the respective sample detection limit

ft = feet below ground surface

(-) = not analyzed for respective constituent

TPH = total petroleum hydrocarbons

BTEX = benzene, toluene, ethylbenzene, xylene

 Exceedance



Photographic Documentation

EOG Resources
Stark 33 Fed Com CTB
Release #2
Eddy County, New Mexico



TETRA TECH



View of the Release Area – View Northwest



View of the Release Area – View West

EOG Resources
Stark 33 Fed Com CTB
Release #2
Eddy County, New Mexico



TETRA TECH



View of the Release Area – View Northeast



View of the Release Area – View Northeast

EOG Resources
Stark 33 Fed Com CTB
Release #2
Eddy County, New Mexico



TETRA TECH



View of the Release Area – View East



View of the Release Area – View East



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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Incident ID	nAPP2313637124
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources	OGRID 7377
Contact Name Todd Wells	Contact Telephone (432) 686-3613
Contact email Todd_Wells@eogresources.com	Incident # (assigned by OCD) nAPP2313637124
Contact mailing address 5509 Champions Drive Midland, TX 79706	

Location of Release Source

Latitude 32.064528° Longitude -103.889417°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Stark 33 Fed Com #704H	Site Type Reuse Water Lay Flat Line
Date Release Discovered 5/5/23	API# (if applicable)

Unit Letter	Section	Township	Range	County
N	4	26S	30E	Eddy

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Reuse Water	Volume Released (bbls) 15	Volume Recovered (bbls) 5
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: A trucking company tried to do a U-turn on Pipeline Road and backed over the lay flat line causing a puncture in the 12" lay flat line transferring treated reuse water to the Stark 33 Fed Com #704H well pad. The puncture in the lay flat line released 15 bbls of treated reuse water onto the pasture with 5 bbls recovered.

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2313637124
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> 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: <u>Todd Wells</u> Title: <u>Environmental Specialist</u> Signature: <u>Todd Wells</u> Date: <u>5/16/23</u> email: <u>Todd_Wells@eogresources.com</u> Telephone: <u>(432) 686-3613</u>
<u>OCD Only</u> Received by: <u>Jocelyn Harimon</u> Date: <u>05/16/2023</u>

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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> 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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> 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.

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



Appendix B

Site Characterization Documents

GWDB Radius Map
OG Resources
Stark 33 Fed Com #704H Lay Flat Release
Banjo BNO Federal #001 GWDB Location

Released by Imaging: 4/20/2026 11:31:14 AM

Legend

- 1/2 Mile Radius
- Banjo BNO Federal #1 GWDB
- Gas Line
- One Call
- Overheadlines
- Pole
- Polyline
- Potential Leak Point
- Potential Spill Extend
- Stark Auger Hole Location
- Stark Horizontal Location

Received by OCD: 4/16/2026 12:58:34 PM





Borehole ID: GWDB

Soil Drilling Log

Project Name : Banjo BNO Federal #1
 Project No. : 212C-MD-02522
 Location : Eddy County, New Mexico
 Coordinates : 32.065590°, -103.896111°
 Elevation : N/A

Date : Tuesday, July 12, 2022
 Sampler : Colton Bickerstaff
 Driller : Scarborough Drilling, Inc.
 Method : Air Rotary

Depth (ft.)	WL	Soil Description	Chloride Field Test (ppm)	Field Titration Test (ppm)
0		Brown/Light Brown Sand/Silt	509	
			284	
			256	
5			138	
		Tan Sand Silt	243	
10			342	
15				
20				
25				
30				
35				
40				
45				
50				

Depth (ft.)	WL	Soil Description	Chloride Field Test (ppm)	Field Titration Test (ppm)
50		Tan Sand Silt		
55				
		Total Depth: 55'		
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



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National Water Information System: Mapper

Sites Map

Search

Surface-Water Sites

Groundwater Sites

- Active Sites
 - Any data
 - Instantaneous data
 - Daily data
 - Water-quality data
 - Measurements
 - Annual Report
- Inactive Sites
 - Any data
 - Instantaneous data
 - Daily data
 - Water-quality data
 - Measurements
 - Annual Report

Springs

Atmospheric Sites

Other Sites



Site Information



New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64 Q16 Q4	Sec	Tws	Rng	X	Y
C	03483	4 4 4	05	26S	30E	604296	3548251

Driller License: 1509	Driller Company: BMS DRILLING COMPANY	
Driller Name: BEAUREGARD, RICHARD		
Drill Start Date: 06/03/2011	Drill Finish Date: 06/08/2011	Plug Date:
Log File Date: 07/14/2011	PCW Rcv Date:	Source: Shallow
Pump Type: SUBMER	Pipe Discharge Size:	Estimated Yield: 35 GPM
Casing Size: 8.00	Depth Well: 700 feet	Depth Water: 200 feet

Water Bearing Stratifications:	Top	Bottom	Description
	200	255	Sandstone/Gravel/Conglomerate
	285	320	Sandstone/Gravel/Conglomerate
	320	360	Sandstone/Gravel/Conglomerate
	510	650	Shale/Mudstone/Siltstone

Casing Perforations:	Top	Bottom
	180	260
	280	360
	500	680

Meter Number: 14452	Meter Make: MASTERMETER
Meter Serial Number: 32530329	Meter Multiplier: 100.0000
Number of Dials: 6	Meter Type: Diversion
Unit of Measure: Gallons	Return Flow Percent:
Usage Multiplier:	Reading Frequency:

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
07/11/2011	2011	10	A	bd	WELL TO BE SET UP FOR COM SALE	0
04/01/2014	2014	188668	A	RPT		0
04/02/2014	2014	44195	A	RPT		0
07/01/2014	2014	62284	A	RPT		5.551
10/01/2014	2014	91448	A	RPT		8.950
12/31/2014	2014	126199	A	RPT		10.665
02/01/2015	2015	138888	A	RPT		3.894
03/02/2015	2015	150578	A	RPT		3.588
04/01/2015	2015	157715	A	RPT		2.190
04/30/2015	2015	170037	A	RPT		3.781
05/31/2015	2015	182144	A	RPT		3.716
07/01/2015	2015	188338	A	RPT		1.901
08/31/2015	2015	209416	A	RPT		6.469
01/01/2016	2015	244328	A	mb		10.714

02/01/2016	2016	245605	A	mb	0.392
03/02/2016	2016	246331	A	mb	0.223
04/01/2016	2016	246331	A	mb	0
05/01/2016	2016	248057	A	mb	0.530
06/01/2016	2016	262631	A	mb	4.473
07/01/2016	2016	271192	A	mb	2.627
08/01/2016	2016	273040	A	mb	0.567
09/01/2016	2016	283123	A	mb	3.094
10/01/2016	2016	290786	A	mb	2.352

<small>x</small>		
**YTD Meter	Year	Amount
Amounts:		
	2011	0
	2014	25.166
	2015	36.253
	2016	14.258

x

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

8/3/23 8:46 AM

POINT OF DIVERSION
SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64 Q16 Q4	Sec	Tws	Rng	X	Y
C	03581 POD1	4 4 4	05	26S	30E	604298	3548291

Driller License: 1654	Driller Company: NOT WORKING FOR HIRE--SIRMAN DRILLING AND CONSTRUC	
Driller Name:		
Drill Start Date: 11/01/2012	Drill Finish Date: 11/09/2012	Plug Date:
Log File Date: 11/13/2012	PCW Rcv Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 55 GPM
Casing Size: 6.00	Depth Well: 800 feet	Depth Water: 320 feet

Water Bearing Stratifications:	Top	Bottom	Description
	225	335	Sandstone/Gravel/Conglomerate
	690	710	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	360	400
	680	760
	760	800

Meter Number: 16571	Meter Make: MASTERMETER
Meter Serial Number: 8107621	Meter Multiplier: 100.0000
Number of Dials: 6	Meter Type: Diversion
Unit of Measure: Gallons	Return Flow Percent:
Usage Multiplier:	Reading Frequency:

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
04/01/2014	2014	259537	A	RPT		0
07/01/2014	2014	278436	A	RPT		5.800
10/01/2014	2014	296778	A	RPT		5.629
12/31/2014	2014	313660	A	RPT		5.181
02/01/2015	2015	318775	A	RPT		1.570
03/02/2015	2015	323284	A	RPT		1.384
04/01/2015	2015	328475	A	RPT		1.593
04/30/2015	2015	335707	A	RPT		2.219
05/31/2015	2015	342147	A	RPT		1.976
08/01/2015	2015	352324	A	RPT		3.123
08/31/2015	2015	358371	A	RPT		1.856
10/01/2015	2015	364478	A	RPT		1.874

**YTD Meter Amounts:	Year	Amount
	2014	16.610
	2015	15.595

x

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8/3/23 11:44 AM

POINT OF DIVERSION
SUMMARY



National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click to [hide](#) News Bulletins

- Explore the [NEW USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#)

Groundwater levels for the Nation

Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320355103524001

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 320355103524001 26S.30E.08.11421

Eddy County, New Mexico
Latitude 32°03'55", Longitude 103°52'40" NAD27
Land-surface elevation 3,147 feet above NAVD88
The depth of the well is 200 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1948-12-15		D	62610		2973.44	NGVD29	P	Z			A
1948-12-15		D	62611		2975.04	NAVD88	P	Z			A
1948-12-15		D	72019	171.96			P	Z			A
1959-02-18		D	62610		2981.57	NGVD29	1	Z			A
1959-02-18		D	62611		2983.17	NAVD88	1	Z			A
1959-02-18		D	72019	163.83			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988

Section	Code	Description
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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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: 2023-08-03 10:22:43 EDT

0.38 0.3 nadww01





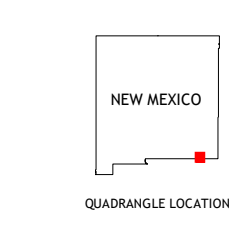
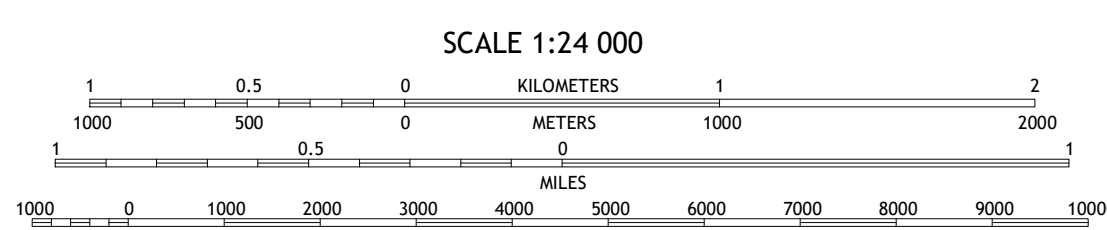
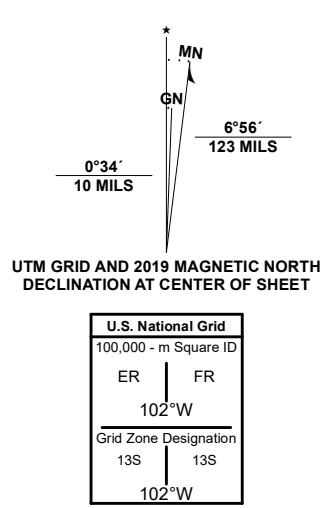
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY



ROSS RANCH QUADRANGLE
NEW MEXICO - TEXAS
7.5-MINUTE SERIES



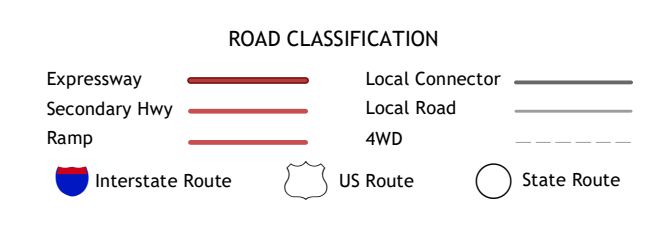
Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid/Universal Transverse Mercator, Zone 13S13R
This map is not a legal document. Boundaries may be
generalized for this map scale. Private lands within government
reservations may not be shown. Obtain permission before
entering private lands.
Imagery.....NAIP, May 2016 - November 2016
Roads.....U.S. Census Bureau, 2015 - 2018
Names.....GNIS, 1979 - 2017
Hydrography.....National Hydrography Dataset, 2000 - 2018
Contours.....National Elevation Dataset, 2002 - 2008
Boundaries.....Multiple sources; see metadata file 2017 - 2018
Public Land Survey System.....BLM, 2019
Wetlands.....FWS National Wetlands Inventory 2002 - 2014



ADJOINING QUADRANGLES

1	2	3
4	5	6
7	8	9

1 Malaga
2 Pierce Canyon
3 Big Sinks
4 Red Bluff
5 Phantom Banks
6 Screw Bean Draw NE
7 Red Bluff
8 Orta NE



ROSS RANCH, NM, TX
2020

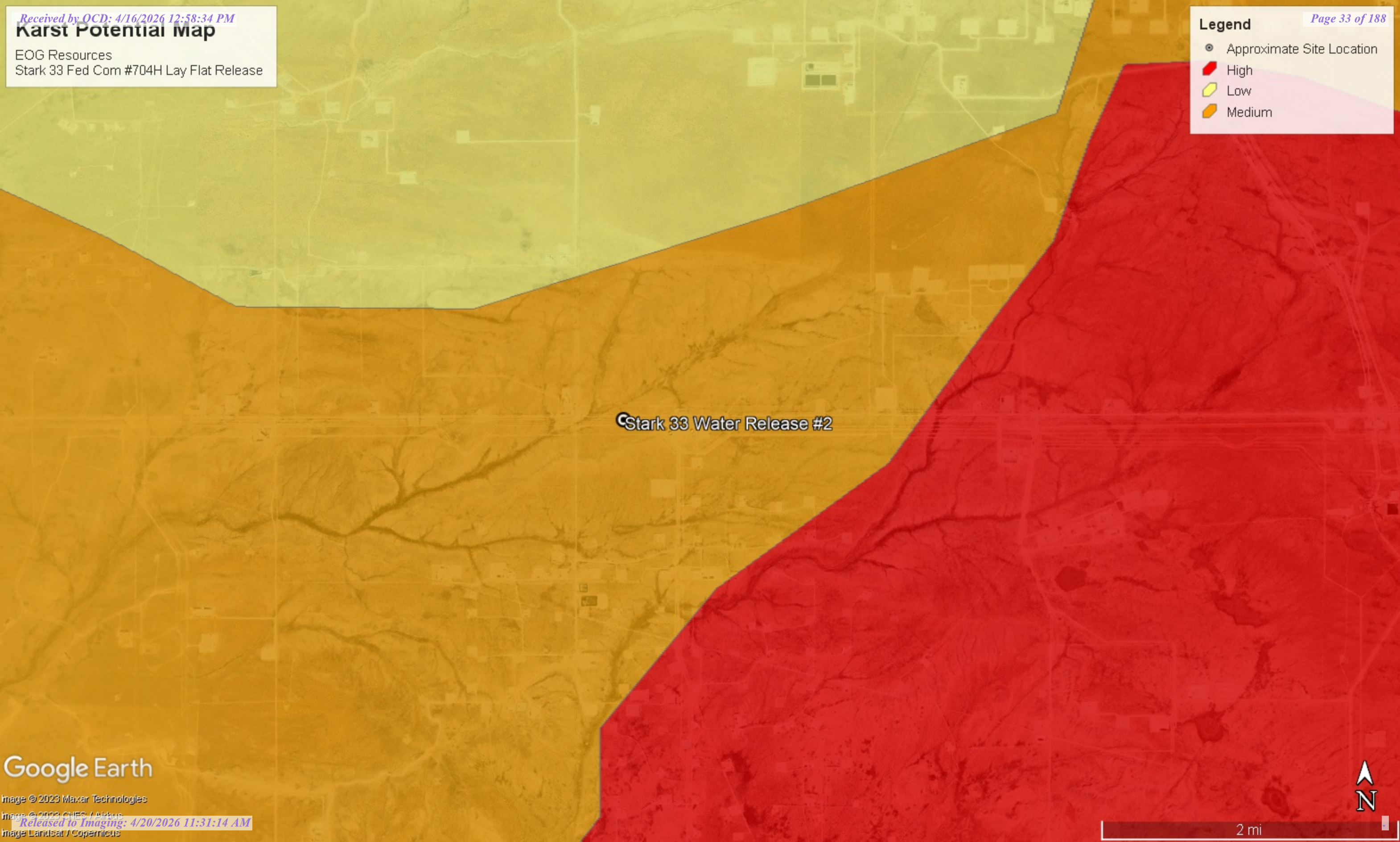


Karst Potential Map

EOG Resources
Stark 33 Fed Com #704H Lay Flat Release

Legend

- Approximate Site Location
- High
- Low
- Medium



Stark 33 Water Release #2

Google Earth

Image © 2023 Maxar Technologies

Image © 2023 CNES / Airbus
Released to Imaging: 4/20/2026 11:31:14 AM
Image Landsat / Copernicus



2 mi



Appendix C

Laboratory Reports



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Brittany Long
 Tetra Tech, Inc.
 901 W Wall
 Ste 100
 Midland, Texas 79701

Generated 5/24/2023 12:40:37 PM

JOB DESCRIPTION

Stark 33 Water Release #2
 SDG NUMBER Eddy County, NM

JOB NUMBER

880-28483-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701



Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

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Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Laboratory Job ID: 880-28483-1
SDG: Eddy County, NM

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Definitions/Glossary

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, 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.
α	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: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Job ID: 880-28483-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-28483-1**

Receipt

The samples were received on 5/16/2023 11:30 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 5.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (1') (880-28483-1), H-2 (1') (880-28483-2), H-3 (1') (880-28483-3), H-4 (1') (880-28483-4), H-5 (1') (880-28483-5), H-6 (1') (880-28483-6), H-7 (1') (880-28483-7), H-8 (1') (880-28483-8), AH-1 (1') (880-28483-9), AH-1 (1.5') (880-28483-10), AH-1 (2.5') (880-28483-11), AH-1 (3.5') (880-28483-12), AH-1 (4.5') (880-28483-13), AH-2 (1') (880-28483-14), AH-2 (1.5') (880-28483-15), AH-2 (2.5') (880-28483-16), AH-2 (3.5') (880-28483-17), AH-2 (4.5') (880-28483-18), AH-3 (1') (880-28483-19), AH-3 (1.5') (880-28483-20), AH-3 (2.5') (880-28483-21), AH-3 (3.5') (880-28483-22), AH-3 (4.5') (880-28483-23), AH-4 (1') (880-28483-24), AH-4 (1.5') (880-28483-25), AH-4 (2.5') (880-28483-26), AH-4 (3.5') (880-28483-27), AH-4 (4.5') (880-28483-28), AH-5 (1') (880-28483-29), AH-5 (1.5') (880-28483-30), AH-5 (2.5') (880-28483-31), AH-5 (3.5') (880-28483-32) and AH-5 (4.5') (880-28483-33).

GC VOA

Method 8021B: The matrix spike (MS) and/or matrix spike duplicate (MSD) recovery for preparation batch 880-53607 and analytical batch 880-53830 was outside control limits for the following analyte(s): Benzene. Results may be biased high because this analyte is a common laboratory solvent and contaminant.

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-2 (1') (880-28483-2), H-3 (1') (880-28483-3), H-4 (1') (880-28483-4), H-5 (1') (880-28483-5), H-6 (1') (880-28483-6), H-7 (1') (880-28483-7), H-8 (1') (880-28483-8), AH-1 (1') (880-28483-9), AH-1 (1.5') (880-28483-10), AH-1 (2.5') (880-28483-11), AH-1 (3.5') (880-28483-12), AH-1 (4.5') (880-28483-13), AH-2 (1') (880-28483-14), (LCS 880-53607/1-A), (LCSD 880-53607/2-A), (880-28483-A-1-G MS) and (880-28483-A-1-H MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-53830 recovered above the upper control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-1 (1') (880-28483-1) and AH-3 (1.5') (880-28483-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-53662 and analytical batch 880-53831 was outside the control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: AH-2 (1.5') (880-28483-15), AH-2 (2.5') (880-28483-16), AH-2 (4.5') (880-28483-18) and AH-3 (1') (880-28483-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-53484 and analytical batch 880-53550 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-1 (1') (880-28483-1), H-2 (1') (880-28483-2), H-3 (1') (880-28483-3), H-4 (1') (880-28483-4), H-5 (1') (880-28483-5), H-6 (1') (880-28483-6), H-7 (1') (880-28483-7), H-8 (1') (880-28483-8), AH-1 (1') (880-28483-9) and AH-1 (1.5') (880-28483-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: AH-1 (2.5') (880-28483-11), AH-1 (3.5')

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Job ID: 880-28483-1 (Continued)

Laboratory: Eurofins Midland (Continued)

(880-28483-12), AH-1 (4.5') (880-28483-13), AH-2 (1') (880-28483-14) and AH-2 (1.5') (880-28483-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: AH-2 (3.5') (880-28483-17), AH-2 (4.5') (880-28483-18), AH-3 (1') (880-28483-19) and AH-3 (1.5') (880-28483-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: AH-5 (4.5') (880-28483-33) and (MB 880-53630/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-53630 and analytical batch 880-53625 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-53658 and analytical batch 880-53627 was outside the upper control 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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-53568 and analytical batch 880-53679 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.

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Client Sample ID: H-1 (1')

Lab Sample ID: 880-28483-1

Date Collected: 05/12/23 08:45

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1	0.00201		mg/Kg		05/17/23 15:24	05/23/23 01:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 01:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 01:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/17/23 15:24	05/23/23 01:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 01:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/17/23 15:24	05/23/23 01:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130	05/17/23 15:24	05/23/23 01:52	1
1,4-Difluorobenzene (Surr)	83		70 - 130	05/17/23 15:24	05/23/23 01:52	1

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 11:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 11:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 11:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130	05/16/23 12:53	05/17/23 11:06	1
o-Terphenyl	102		70 - 130	05/16/23 12:53	05/17/23 11:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.6		5.02		mg/Kg			05/18/23 20:38	1

Client Sample ID: H-2 (1')

Lab Sample ID: 880-28483-2

Date Collected: 05/12/23 09:00

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/17/23 15:24	05/23/23 02:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/17/23 15:24	05/23/23 02:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/17/23 15:24	05/23/23 02:18	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/17/23 15:24	05/23/23 02:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/17/23 15:24	05/23/23 02:18	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/17/23 15:24	05/23/23 02:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130	05/17/23 15:24	05/23/23 02:18	1
1,4-Difluorobenzene (Surr)	71		70 - 130	05/17/23 15:24	05/23/23 02:18	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: H-2 (1')

Lab Sample ID: 880-28483-2

Date Collected: 05/12/23 09:00

Matrix: Solid

Date Received: 05/16/23 11:30

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 12:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 12:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 12:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130	05/16/23 12:53	05/17/23 12:11	1
o-Terphenyl	105		70 - 130	05/16/23 12:53	05/17/23 12:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.1		5.05		mg/Kg			05/18/23 20:54	1

Client Sample ID: H-3 (1')

Lab Sample ID: 880-28483-3

Date Collected: 05/12/23 09:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/17/23 15:24	05/23/23 02:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/17/23 15:24	05/23/23 02:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/17/23 15:24	05/23/23 02:45	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/17/23 15:24	05/23/23 02:45	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/17/23 15:24	05/23/23 02:45	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/17/23 15:24	05/23/23 02:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	155	S1+	70 - 130	05/17/23 15:24	05/23/23 02:45	1
1,4-Difluorobenzene (Surr)	70		70 - 130	05/17/23 15:24	05/23/23 02:45	1

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 12:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 12:33	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: H-3 (1')

Lab Sample ID: 880-28483-3

Date Collected: 05/12/23 09:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 12:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				05/16/23 12:53	05/17/23 12:33	1
o-Terphenyl	102		70 - 130				05/16/23 12:53	05/17/23 12:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.5		4.98		mg/Kg			05/18/23 21:00	1

Client Sample ID: H-4 (1')

Lab Sample ID: 880-28483-4

Date Collected: 05/12/23 09:30

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 03:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 03:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 03:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/17/23 15:24	05/23/23 03:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 03:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/17/23 15:24	05/23/23 03:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	166	S1+	70 - 130				05/17/23 15:24	05/23/23 03:11	1
1,4-Difluorobenzene (Surr)	81		70 - 130				05/17/23 15:24	05/23/23 03:11	1

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 12:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/16/23 12:53	05/17/23 12:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/16/23 12:53	05/17/23 12:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	153	S1+	70 - 130				05/16/23 12:53	05/17/23 12:55	1
o-Terphenyl	118		70 - 130				05/16/23 12:53	05/17/23 12:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.7		4.96		mg/Kg			05/18/23 21:05	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: H-5 (1')

Lab Sample ID: 880-28483-5

Date Collected: 05/12/23 09:45

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 03:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 03:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 03:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/17/23 15:24	05/23/23 03:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 03:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/17/23 15:24	05/23/23 03:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	169	S1+	70 - 130	05/17/23 15:24	05/23/23 03:38	1
1,4-Difluorobenzene (Surr)	82		70 - 130	05/17/23 15:24	05/23/23 03:38	1

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 13:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 13:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 13:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130	05/16/23 12:53	05/17/23 13:16	1
o-Terphenyl	108		70 - 130	05/16/23 12:53	05/17/23 13:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.8		5.00		mg/Kg			05/18/23 21:11	1

Client Sample ID: H-6 (1')

Lab Sample ID: 880-28483-6

Date Collected: 05/12/23 10:00

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 04:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 04:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 04:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/17/23 15:24	05/23/23 04:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 04:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/17/23 15:24	05/23/23 04:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	165	S1+	70 - 130	05/17/23 15:24	05/23/23 04:04	1
1,4-Difluorobenzene (Surr)	79		70 - 130	05/17/23 15:24	05/23/23 04:04	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Client Sample ID: H-6 (1')

Lab Sample ID: 880-28483-6

Date Collected: 05/12/23 10:00

Matrix: Solid

Date Received: 05/16/23 11:30

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 13:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 13:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 13:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130	05/16/23 12:53	05/17/23 13:38	1
o-Terphenyl	105		70 - 130	05/16/23 12:53	05/17/23 13:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.0		5.03		mg/Kg			05/18/23 21:27	1

Client Sample ID: H-7 (1')

Lab Sample ID: 880-28483-7

Date Collected: 05/12/23 10:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 04:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 04:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 04:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/17/23 15:24	05/23/23 04:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 04:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/17/23 15:24	05/23/23 04:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	162	S1+	70 - 130	05/17/23 15:24	05/23/23 04:31	1
1,4-Difluorobenzene (Surr)	71		70 - 130	05/17/23 15:24	05/23/23 04:31	1

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 14:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 14:00	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: H-7 (1')

Lab Sample ID: 880-28483-7

Date Collected: 05/12/23 10:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 14:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				05/16/23 12:53	05/17/23 14:00	1
o-Terphenyl	101		70 - 130				05/16/23 12:53	05/17/23 14:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.9		5.01		mg/Kg			05/18/23 21:32	1

Client Sample ID: H-8 (1')

Lab Sample ID: 880-28483-8

Date Collected: 05/12/23 10:30

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 04:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 04:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 04:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/17/23 15:24	05/23/23 04:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 04:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/17/23 15:24	05/23/23 04:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130				05/17/23 15:24	05/23/23 04:57	1
1,4-Difluorobenzene (Surr)	77		70 - 130				05/17/23 15:24	05/23/23 04:57	1

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 14:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/16/23 12:53	05/17/23 14:21	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/16/23 12:53	05/17/23 14:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	145	S1+	70 - 130				05/16/23 12:53	05/17/23 14:21	1
o-Terphenyl	108		70 - 130				05/16/23 12:53	05/17/23 14:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.7		4.99		mg/Kg			05/18/23 21:37	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-1 (1')

Lab Sample ID: 880-28483-9

Date Collected: 05/12/23 10:45

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 05:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 05:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 05:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/17/23 15:24	05/23/23 05:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 05:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/17/23 15:24	05/23/23 05:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	175	S1+	70 - 130	05/17/23 15:24	05/23/23 05:24	1
1,4-Difluorobenzene (Surr)	87		70 - 130	05/17/23 15:24	05/23/23 05:24	1

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 14:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 14:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 14:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130	05/16/23 12:53	05/17/23 14:43	1
o-Terphenyl	108		70 - 130	05/16/23 12:53	05/17/23 14:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.2		5.03		mg/Kg			05/18/23 21:43	1

Client Sample ID: AH-1 (1.5')

Lab Sample ID: 880-28483-10

Date Collected: 05/12/23 11:00

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 05:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 05:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 05:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/17/23 15:24	05/23/23 05:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 05:50	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/17/23 15:24	05/23/23 05:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	178	S1+	70 - 130	05/17/23 15:24	05/23/23 05:50	1
1,4-Difluorobenzene (Surr)	84		70 - 130	05/17/23 15:24	05/23/23 05:50	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Client Sample ID: AH-1 (1.5')

Lab Sample ID: 880-28483-10

Date Collected: 05/12/23 11:00

Matrix: Solid

Date Received: 05/16/23 11:30

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 15:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/16/23 12:53	05/17/23 15:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/16/23 12:53	05/17/23 15:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				05/16/23 12:53	05/17/23 15:04	1
o-Terphenyl	106		70 - 130				05/16/23 12:53	05/17/23 15:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.3		4.98		mg/Kg			05/18/23 21:48	1

Client Sample ID: AH-1 (2.5')

Lab Sample ID: 880-28483-11

Date Collected: 05/12/23 11:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 07:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 07:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 07:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/17/23 15:24	05/23/23 07:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 07:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/17/23 15:24	05/23/23 07:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	179	S1+	70 - 130				05/17/23 15:24	05/23/23 07:38	1
1,4-Difluorobenzene (Surr)	83		70 - 130				05/17/23 15:24	05/23/23 07:38	1

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 15:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 15:48	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Client Sample ID: AH-1 (2.5')

Lab Sample ID: 880-28483-11

Date Collected: 05/12/23 11:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 15:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130				05/16/23 12:53	05/17/23 15:48	1
o-Terphenyl	108		70 - 130				05/16/23 12:53	05/17/23 15:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.1		4.96		mg/Kg			05/18/23 21:53	1

Client Sample ID: AH-1 (3.5')

Lab Sample ID: 880-28483-12

Date Collected: 05/12/23 11:30

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 08:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 08:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 08:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/17/23 15:24	05/23/23 08:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 08:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/17/23 15:24	05/23/23 08:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	165	S1+	70 - 130				05/17/23 15:24	05/23/23 08:05	1
1,4-Difluorobenzene (Surr)	83		70 - 130				05/17/23 15:24	05/23/23 08:05	1

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 16:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 16:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 16:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				05/16/23 12:53	05/17/23 16:09	1
o-Terphenyl	105		70 - 130				05/16/23 12:53	05/17/23 16:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.9		5.02		mg/Kg			05/18/23 22:09	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-1 (4.5')

Lab Sample ID: 880-28483-13

Date Collected: 05/12/23 11:45

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 08:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 08:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 08:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/17/23 15:24	05/23/23 08:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 08:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/17/23 15:24	05/23/23 08:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	177	S1+	70 - 130	05/17/23 15:24	05/23/23 08:32	1
1,4-Difluorobenzene (Surr)	70		70 - 130	05/17/23 15:24	05/23/23 08:32	1

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 16:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 16:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 16:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130	05/16/23 12:53	05/17/23 16:31	1
o-Terphenyl	106		70 - 130	05/16/23 12:53	05/17/23 16:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.5		5.01		mg/Kg			05/18/23 22:15	1

Client Sample ID: AH-2 (1')

Lab Sample ID: 880-28483-14

Date Collected: 05/12/23 12:00

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 08:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 08:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 08:59	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/17/23 15:24	05/23/23 08:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 08:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/17/23 15:24	05/23/23 08:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	172	S1+	70 - 130	05/17/23 15:24	05/23/23 08:59	1
1,4-Difluorobenzene (Surr)	88		70 - 130	05/17/23 15:24	05/23/23 08:59	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Client Sample ID: AH-2 (1')

Lab Sample ID: 880-28483-14

Date Collected: 05/12/23 12:00

Matrix: Solid

Date Received: 05/16/23 11:30

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 16:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 16:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 16:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130	05/16/23 12:53	05/17/23 16:53	1
o-Terphenyl	101		70 - 130	05/16/23 12:53	05/17/23 16:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.3		4.97		mg/Kg			05/18/23 22:31	1

Client Sample ID: AH-2 (1.5')

Lab Sample ID: 880-28483-15

Date Collected: 05/12/23 12:30

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 09:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 09:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 09:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/17/23 15:24	05/23/23 09:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 09:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/17/23 15:24	05/23/23 09:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	177	S1+	70 - 130	05/17/23 15:24	05/23/23 09:25	1
1,4-Difluorobenzene (Surr)	81		70 - 130	05/17/23 15:24	05/23/23 09:25	1

Method: TAL SOP 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			05/23/23 10:30	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 17:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 17:14	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-2 (1.5')

Lab Sample ID: 880-28483-15

Date Collected: 05/12/23 12:30

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 17:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				05/16/23 12:53	05/17/23 17:14	1
o-Terphenyl	99		70 - 130				05/16/23 12:53	05/17/23 17:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.3		5.03		mg/Kg			05/18/23 22:37	1

Client Sample ID: AH-2 (2.5')

Lab Sample ID: 880-28483-16

Date Collected: 05/12/23 12:45

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 09:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 09:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 09:52	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/17/23 15:24	05/23/23 09:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 09:52	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/17/23 15:24	05/23/23 09:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	181	S1+	70 - 130				05/17/23 15:24	05/23/23 09:52	1
1,4-Difluorobenzene (Surr)	74		70 - 130				05/17/23 15:24	05/23/23 09:52	1

Method: TAL SOP 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			05/23/23 10:30	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 17:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/16/23 12:53	05/17/23 17:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/16/23 12:53	05/17/23 17:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				05/16/23 12:53	05/17/23 17:37	1
o-Terphenyl	97		70 - 130				05/16/23 12:53	05/17/23 17:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.6		4.98		mg/Kg			05/18/23 22:42	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-2 (3.5')

Lab Sample ID: 880-28483-17

Date Collected: 05/12/23 13:00

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/17/23 15:24	05/23/23 10:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/17/23 15:24	05/23/23 10:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/17/23 15:24	05/23/23 10:18	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/17/23 15:24	05/23/23 10:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/17/23 15:24	05/23/23 10:18	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/17/23 15:24	05/23/23 10:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	05/17/23 15:24	05/23/23 10:18	1
1,4-Difluorobenzene (Surr)	73		70 - 130	05/17/23 15:24	05/23/23 10:18	1

Method: TAL SOP 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			05/23/23 10:30	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 17:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 17:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 17:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130	05/16/23 12:53	05/17/23 17:58	1
o-Terphenyl	102		70 - 130	05/16/23 12:53	05/17/23 17:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.6		4.95		mg/Kg			05/18/23 22:47	1

Client Sample ID: AH-2 (4.5')

Lab Sample ID: 880-28483-18

Date Collected: 05/12/23 13:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 10:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 10:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 10:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/17/23 15:24	05/23/23 10:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 10:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/17/23 15:24	05/23/23 10:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	193	S1+	70 - 130	05/17/23 15:24	05/23/23 10:44	1
1,4-Difluorobenzene (Surr)	80		70 - 130	05/17/23 15:24	05/23/23 10:44	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Client Sample ID: AH-2 (4.5')

Lab Sample ID: 880-28483-18

Date Collected: 05/12/23 13:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: TAL SOP 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			05/23/23 10:30	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 18:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 18:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 18:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	268	S1+	70 - 130	05/16/23 12:53	05/17/23 18:20	1
o-Terphenyl	202	S1+	70 - 130	05/16/23 12:53	05/17/23 18:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.9		4.95		mg/Kg			05/18/23 22:53	1

Client Sample ID: AH-3 (1')

Lab Sample ID: 880-28483-19

Date Collected: 05/12/23 13:30

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 11:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 11:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 11:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/17/23 15:24	05/23/23 11:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 11:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/17/23 15:24	05/23/23 11:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	185	S1+	70 - 130	05/17/23 15:24	05/23/23 11:10	1
1,4-Difluorobenzene (Surr)	79		70 - 130	05/17/23 15:24	05/23/23 11:10	1

Method: TAL SOP 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			05/23/23 10:30	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 18:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 18:42	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-3 (1')

Lab Sample ID: 880-28483-19

Date Collected: 05/12/23 13:30

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 18:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				05/16/23 12:53	05/17/23 18:42	1
o-Terphenyl	102		70 - 130				05/16/23 12:53	05/17/23 18:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.8		4.97		mg/Kg			05/18/23 22:58	1

Client Sample ID: AH-3 (1.5')

Lab Sample ID: 880-28483-20

Date Collected: 05/12/23 13:45

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 11:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 11:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 11:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/17/23 15:24	05/23/23 11:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 11:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/17/23 15:24	05/23/23 11:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	164	S1+	70 - 130				05/17/23 15:24	05/23/23 11:36	1
1,4-Difluorobenzene (Surr)	71		70 - 130				05/17/23 15:24	05/23/23 11:36	1

Method: TAL SOP 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			05/24/23 11:23	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 19:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 19:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 19:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				05/16/23 12:53	05/17/23 19:03	1
o-Terphenyl	101		70 - 130				05/16/23 12:53	05/17/23 19:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.5		5.04		mg/Kg			05/18/23 23:03	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-3 (2.5')

Lab Sample ID: 880-28483-21

Date Collected: 05/12/23 14:00

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/18/23 11:50	05/22/23 22:25	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/18/23 11:50	05/22/23 22:25	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/18/23 11:50	05/22/23 22:25	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/18/23 11:50	05/22/23 22:25	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/18/23 11:50	05/22/23 22:25	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/18/23 11:50	05/22/23 22:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	05/18/23 11:50	05/22/23 22:25	1
1,4-Difluorobenzene (Surr)	96		70 - 130	05/18/23 11:50	05/22/23 22:25	1

Method: TAL SOP 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			05/23/23 09:08	1

Method: SW846 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			05/19/23 10:39	1

Method: SW846 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		05/18/23 10:51	05/18/23 11:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/18/23 10:51	05/18/23 11:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/18/23 10:51	05/18/23 11:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	05/18/23 10:51	05/18/23 11:44	1
o-Terphenyl	124		70 - 130	05/18/23 10:51	05/18/23 11:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.7	F1	4.97		mg/Kg			05/19/23 15:24	1

Client Sample ID: AH-3 (3.5')

Lab Sample ID: 880-28483-22

Date Collected: 05/12/23 14:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/22/23 22:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/22/23 22:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/22/23 22:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/18/23 11:50	05/22/23 22:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/22/23 22:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/18/23 11:50	05/22/23 22:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	05/18/23 11:50	05/22/23 22:46	1
1,4-Difluorobenzene (Surr)	85		70 - 130	05/18/23 11:50	05/22/23 22:46	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-3 (3.5')

Lab Sample ID: 880-28483-22

Date Collected: 05/12/23 14:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: TAL SOP 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			05/23/23 09:08	1

Method: SW846 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			05/19/23 10:39	1

Method: SW846 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		05/18/23 10:51	05/18/23 12:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/18/23 10:51	05/18/23 12:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/18/23 10:51	05/18/23 12:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	05/18/23 10:51	05/18/23 12:50	1
o-Terphenyl	119		70 - 130	05/18/23 10:51	05/18/23 12:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	156		5.00		mg/Kg			05/19/23 15:40	1

Client Sample ID: AH-3 (4.5')

Lab Sample ID: 880-28483-23

Date Collected: 05/12/23 14:30

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/18/23 11:50	05/22/23 23:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/18/23 11:50	05/22/23 23:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/18/23 11:50	05/22/23 23:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/18/23 11:50	05/22/23 23:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/18/23 11:50	05/22/23 23:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/18/23 11:50	05/22/23 23:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	05/18/23 11:50	05/22/23 23:07	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/18/23 11:50	05/22/23 23:07	1

Method: TAL SOP 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			05/23/23 09:08	1

Method: SW846 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			05/19/23 10:39	1

Method: SW846 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		05/18/23 10:51	05/18/23 13:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/18/23 10:51	05/18/23 13:11	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-3 (4.5')

Lab Sample ID: 880-28483-23

Date Collected: 05/12/23 14:30

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/18/23 10:51	05/18/23 13:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				05/18/23 10:51	05/18/23 13:11	1
o-Terphenyl	111		70 - 130				05/18/23 10:51	05/18/23 13:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	163		4.99		mg/Kg			05/19/23 15:45	1

Client Sample ID: AH-4 (1')

Lab Sample ID: 880-28483-24

Date Collected: 05/12/23 14:45

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/18/23 11:50	05/22/23 23:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/18/23 11:50	05/22/23 23:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/18/23 11:50	05/22/23 23:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/18/23 11:50	05/22/23 23:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/18/23 11:50	05/22/23 23:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/18/23 11:50	05/22/23 23:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				05/18/23 11:50	05/22/23 23:27	1
1,4-Difluorobenzene (Surr)	99		70 - 130				05/18/23 11:50	05/22/23 23:27	1

Method: TAL SOP 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			05/23/23 09:08	1

Method: SW846 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			05/18/23 15:39	1

Method: SW846 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		05/18/23 08:49	05/18/23 12:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/18/23 08:49	05/18/23 12:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/18/23 08:49	05/18/23 12:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				05/18/23 08:49	05/18/23 12:50	1
o-Terphenyl	85		70 - 130				05/18/23 08:49	05/18/23 12:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.4		4.97		mg/Kg			05/19/23 15:51	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-4 (1.5')

Lab Sample ID: 880-28483-25

Date Collected: 05/12/23 15:00

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/18/23 11:50	05/22/23 23:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/18/23 11:50	05/22/23 23:48	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/18/23 11:50	05/22/23 23:48	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/18/23 11:50	05/22/23 23:48	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/18/23 11:50	05/22/23 23:48	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/18/23 11:50	05/22/23 23:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	05/18/23 11:50	05/22/23 23:48	1
1,4-Difluorobenzene (Surr)	83		70 - 130	05/18/23 11:50	05/22/23 23:48	1

Method: TAL SOP 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			05/23/23 09:08	1

Method: SW846 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			05/18/23 15:39	1

Method: SW846 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		05/18/23 08:49	05/18/23 15:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/18/23 08:49	05/18/23 15:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/18/23 08:49	05/18/23 15:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	05/18/23 08:49	05/18/23 15:00	1
o-Terphenyl	90		70 - 130	05/18/23 08:49	05/18/23 15:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.5		5.01		mg/Kg			05/19/23 15:56	1

Client Sample ID: AH-4 (2.5')

Lab Sample ID: 880-28483-26

Date Collected: 05/12/23 15:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 00:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 00:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 00:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/18/23 11:50	05/23/23 00:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 00:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/18/23 11:50	05/23/23 00:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	05/18/23 11:50	05/23/23 00:08	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/18/23 11:50	05/23/23 00:08	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Client Sample ID: AH-4 (2.5')

Lab Sample ID: 880-28483-26

Date Collected: 05/12/23 15:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: TAL SOP 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			05/23/23 09:08	1

Method: SW846 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			05/19/23 10:11	1

Method: SW846 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		05/18/23 08:49	05/18/23 15:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/18/23 08:49	05/18/23 15:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/18/23 08:49	05/18/23 15:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				05/18/23 08:49	05/18/23 15:22	1
o-Terphenyl	93		70 - 130				05/18/23 08:49	05/18/23 15:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.3		5.05		mg/Kg			05/19/23 16:12	1

Client Sample ID: AH-4 (3.5')

Lab Sample ID: 880-28483-27

Date Collected: 05/12/23 15:30

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 00:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 00:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 00:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/18/23 11:50	05/23/23 00:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 00:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/18/23 11:50	05/23/23 00:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				05/18/23 11:50	05/23/23 00:29	1
1,4-Difluorobenzene (Surr)	93		70 - 130				05/18/23 11:50	05/23/23 00:29	1

Method: TAL SOP 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			05/23/23 09:08	1

Method: SW846 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			05/19/23 10:11	1

Method: SW846 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		05/18/23 08:49	05/18/23 15:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/18/23 08:49	05/18/23 15:43	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-4 (3.5')

Lab Sample ID: 880-28483-27

Date Collected: 05/12/23 15:30

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/18/23 08:49	05/18/23 15:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				05/18/23 08:49	05/18/23 15:43	1
o-Terphenyl	93		70 - 130				05/18/23 08:49	05/18/23 15:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.0		4.99		mg/Kg			05/19/23 16:17	1

Client Sample ID: AH-4 (4.5')

Lab Sample ID: 880-28483-28

Date Collected: 05/12/23 15:45

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/18/23 11:50	05/23/23 00:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/18/23 11:50	05/23/23 00:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/18/23 11:50	05/23/23 00:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/18/23 11:50	05/23/23 00:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/18/23 11:50	05/23/23 00:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/18/23 11:50	05/23/23 00:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				05/18/23 11:50	05/23/23 00:49	1
1,4-Difluorobenzene (Surr)	87		70 - 130				05/18/23 11:50	05/23/23 00:49	1

Method: TAL SOP 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			05/23/23 09:08	1

Method: SW846 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			05/19/23 10:11	1

Method: SW846 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		05/18/23 08:49	05/18/23 16:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/18/23 08:49	05/18/23 16:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/18/23 08:49	05/18/23 16:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				05/18/23 08:49	05/18/23 16:28	1
o-Terphenyl	93		70 - 130				05/18/23 08:49	05/18/23 16:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.9		4.95		mg/Kg			05/19/23 16:23	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-5 (1')

Lab Sample ID: 880-28483-29

Date Collected: 05/12/23 16:00

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 01:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 01:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 01:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/18/23 11:50	05/23/23 01:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 01:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/18/23 11:50	05/23/23 01:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	05/18/23 11:50	05/23/23 01:10	1
1,4-Difluorobenzene (Surr)	81		70 - 130	05/18/23 11:50	05/23/23 01:10	1

Method: TAL SOP 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			05/23/23 09:08	1

Method: SW846 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			05/19/23 10:11	1

Method: SW846 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		05/18/23 08:49	05/18/23 16:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/18/23 08:49	05/18/23 16:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/18/23 08:49	05/18/23 16:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	05/18/23 08:49	05/18/23 16:50	1
o-Terphenyl	89		70 - 130	05/18/23 08:49	05/18/23 16:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.0		5.05		mg/Kg			05/19/23 16:28	1

Client Sample ID: AH-5 (1.5')

Lab Sample ID: 880-28483-30

Date Collected: 05/12/23 16:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 01:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 01:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 01:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/18/23 11:50	05/23/23 01:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 01:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/18/23 11:50	05/23/23 01:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	05/18/23 11:50	05/23/23 01:30	1
1,4-Difluorobenzene (Surr)	76		70 - 130	05/18/23 11:50	05/23/23 01:30	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Client Sample ID: AH-5 (1.5')

Lab Sample ID: 880-28483-30

Date Collected: 05/12/23 16:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: TAL SOP 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			05/23/23 09:08	1

Method: SW846 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			05/19/23 10:11	1

Method: SW846 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		05/18/23 08:49	05/18/23 17:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/18/23 08:49	05/18/23 17:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/18/23 08:49	05/18/23 17:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				05/18/23 08:49	05/18/23 17:12	1
o-Terphenyl	93		70 - 130				05/18/23 08:49	05/18/23 17:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.7		4.98		mg/Kg			05/19/23 16:33	1

Client Sample ID: AH-5 (2.5')

Lab Sample ID: 880-28483-31

Date Collected: 05/12/23 16:30

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/23/23 09:51	05/23/23 19:56	1
Toluene	0.00256		0.00199		mg/Kg		05/23/23 09:51	05/23/23 19:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/23 09:51	05/23/23 19:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/23 09:51	05/23/23 19:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/23 09:51	05/23/23 19:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/23 09:51	05/23/23 19:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				05/23/23 09:51	05/23/23 19:56	1
1,4-Difluorobenzene (Surr)	102		70 - 130				05/23/23 09:51	05/23/23 19:56	1

Method: TAL SOP 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			05/24/23 11:22	1

Method: SW846 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			05/19/23 10:11	1

Method: SW846 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		05/18/23 08:49	05/18/23 17:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/18/23 08:49	05/18/23 17:34	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-5 (2.5')

Lab Sample ID: 880-28483-31

Date Collected: 05/12/23 16:30

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/18/23 08:49	05/18/23 17:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				05/18/23 08:49	05/18/23 17:34	1
o-Terphenyl	90		70 - 130				05/18/23 08:49	05/18/23 17:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.1		5.03		mg/Kg			05/19/23 16:39	1

Client Sample ID: AH-5 (3.5')

Lab Sample ID: 880-28483-32

Date Collected: 05/12/23 16:45

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/23/23 09:51	05/23/23 20:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/23 09:51	05/23/23 20:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/23 09:51	05/23/23 20:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/23 09:51	05/23/23 20:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/23 09:51	05/23/23 20:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/23 09:51	05/23/23 20:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				05/23/23 09:51	05/23/23 20:17	1
1,4-Difluorobenzene (Surr)	99		70 - 130				05/23/23 09:51	05/23/23 20:17	1

Method: TAL SOP 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			05/24/23 11:22	1

Method: SW846 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			05/19/23 10:11	1

Method: SW846 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		05/18/23 08:49	05/18/23 17:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/18/23 08:49	05/18/23 17:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/18/23 08:49	05/18/23 17:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				05/18/23 08:49	05/18/23 17:56	1
o-Terphenyl	91		70 - 130				05/18/23 08:49	05/18/23 17:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.0		5.00		mg/Kg			05/19/23 16:55	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-5 (4.5')

Lab Sample ID: 880-28483-33

Date Collected: 05/12/23 17:00

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/23/23 09:51	05/23/23 20:37	1
Toluene	0.0127		0.00199		mg/Kg		05/23/23 09:51	05/23/23 20:37	1
Ethylbenzene	0.00218		0.00199		mg/Kg		05/23/23 09:51	05/23/23 20:37	1
m-Xylene & p-Xylene	0.00584		0.00398		mg/Kg		05/23/23 09:51	05/23/23 20:37	1
o-Xylene	0.00231		0.00199		mg/Kg		05/23/23 09:51	05/23/23 20:37	1
Xylenes, Total	0.00815		0.00398		mg/Kg		05/23/23 09:51	05/23/23 20:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	05/23/23 09:51	05/23/23 20:37	1
1,4-Difluorobenzene (Surr)	104		70 - 130	05/23/23 09:51	05/23/23 20:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0230		0.00398		mg/Kg			05/24/23 11:22	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	108		50.0		mg/Kg			05/18/23 15:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	50.0		mg/Kg		05/18/23 08:49	05/18/23 11:44	1
Diesel Range Organics (Over C10-C28)	108		50.0		mg/Kg		05/18/23 08:49	05/18/23 11:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/18/23 08:49	05/18/23 11:44	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	133	S1+	70 - 130	05/18/23 08:49	05/18/23 11:44	1			
o-Terphenyl	100		70 - 130	05/18/23 08:49	05/18/23 11:44	1			

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.5		4.97		mg/Kg			05/19/23 17:00	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-28483-1	H-1 (1')	148 S1+	83
880-28483-1 MS	H-1 (1')	147 S1+	109
880-28483-1 MSD	H-1 (1')	155 S1+	95
880-28483-2	H-2 (1')	149 S1+	71
880-28483-3	H-3 (1')	155 S1+	70
880-28483-4	H-4 (1')	166 S1+	81
880-28483-5	H-5 (1')	169 S1+	82
880-28483-6	H-6 (1')	165 S1+	79
880-28483-7	H-7 (1')	162 S1+	71
880-28483-8	H-8 (1')	154 S1+	77
880-28483-9	AH-1 (1')	175 S1+	87
880-28483-10	AH-1 (1.5')	178 S1+	84
880-28483-11	AH-1 (2.5')	179 S1+	83
880-28483-12	AH-1 (3.5')	165 S1+	83
880-28483-13	AH-1 (4.5')	177 S1+	70
880-28483-14	AH-2 (1')	172 S1+	88
880-28483-15	AH-2 (1.5')	177 S1+	81
880-28483-16	AH-2 (2.5')	181 S1+	74
880-28483-17	AH-2 (3.5')	111	73
880-28483-18	AH-2 (4.5')	193 S1+	80
880-28483-19	AH-3 (1')	185 S1+	79
880-28483-20	AH-3 (1.5')	164 S1+	71
880-28483-21	AH-3 (2.5')	90	96
880-28483-21 MS	AH-3 (2.5')	114	104
880-28483-21 MSD	AH-3 (2.5')	108	108
880-28483-22	AH-3 (3.5')	90	85
880-28483-23	AH-3 (4.5')	87	91
880-28483-24	AH-4 (1')	98	99
880-28483-25	AH-4 (1.5')	111	83
880-28483-26	AH-4 (2.5')	88	91
880-28483-27	AH-4 (3.5')	82	93
880-28483-28	AH-4 (4.5')	91	87
880-28483-29	AH-5 (1')	114	81
880-28483-30	AH-5 (1.5')	112	76
880-28483-31	AH-5 (2.5')	99	102
880-28483-32	AH-5 (3.5')	99	99
880-28483-33	AH-5 (4.5')	81	104
890-4690-A-1-C MS	Matrix Spike	93	95
890-4690-A-1-D MSD	Matrix Spike Duplicate	91	105
LCS 880-53607/1-A	Lab Control Sample	134 S1+	87
LCS 880-53662/1-A	Lab Control Sample	109	103
LCS 880-53960/1-A	Lab Control Sample	83	123
LCSD 880-53607/2-A	Lab Control Sample Dup	154 S1+	94
LCSD 880-53662/2-A	Lab Control Sample Dup	118	108
LCSD 880-53960/2-A	Lab Control Sample Dup	97	112
MB 880-53607/5-A	Method Blank	94	79
MB 880-53609/5-A	Method Blank	85	82
MB 880-53662/5-A	Method Blank	69 S1-	82
MB 880-53833/5-A	Method Blank	71	84

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Surrogate Summary

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
MB 880-53960/5-A	Method Blank	85	100
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-28483-1	H-1 (1')	137 S1+	102
880-28483-1 MS	H-1 (1')	128	84
880-28483-1 MSD	H-1 (1')	126	81
880-28483-2	H-2 (1')	141 S1+	105
880-28483-3	H-3 (1')	138 S1+	102
880-28483-4	H-4 (1')	153 S1+	118
880-28483-5	H-5 (1')	143 S1+	108
880-28483-6	H-6 (1')	141 S1+	105
880-28483-7	H-7 (1')	136 S1+	101
880-28483-8	H-8 (1')	145 S1+	108
880-28483-9	AH-1 (1')	143 S1+	108
880-28483-10	AH-1 (1.5')	140 S1+	106
880-28483-11	AH-1 (2.5')	143 S1+	108
880-28483-12	AH-1 (3.5')	140 S1+	105
880-28483-13	AH-1 (4.5')	139 S1+	106
880-28483-14	AH-2 (1')	135 S1+	101
880-28483-15	AH-2 (1.5')	131 S1+	99
880-28483-16	AH-2 (2.5')	128	97
880-28483-17	AH-2 (3.5')	135 S1+	102
880-28483-18	AH-2 (4.5')	268 S1+	202 S1+
880-28483-19	AH-3 (1')	134 S1+	102
880-28483-20	AH-3 (1.5')	132 S1+	101
880-28483-21	AH-3 (2.5')	116	124
880-28483-21 MS	AH-3 (2.5')	116	113
880-28483-21 MSD	AH-3 (2.5')	108	98
880-28483-22	AH-3 (3.5')	113	119
880-28483-23	AH-3 (4.5')	109	111
880-28483-24	AH-4 (1')	117	85
880-28483-25	AH-4 (1.5')	121	90
880-28483-26	AH-4 (2.5')	125	93
880-28483-27	AH-4 (3.5')	125	93
880-28483-28	AH-4 (4.5')	124	93
880-28483-29	AH-5 (1')	122	89
880-28483-30	AH-5 (1.5')	124	93
880-28483-31	AH-5 (2.5')	121	90
880-28483-32	AH-5 (3.5')	123	91
880-28483-33	AH-5 (4.5')	133 S1+	100
880-28483-33 MS	AH-5 (4.5')	124	85
880-28483-33 MSD	AH-5 (4.5')	127	86

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Surrogate Summary

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
LCS 880-53484/2-A	Lab Control Sample	114	90
LCS 880-53630/2-A	Lab Control Sample	100	77
LCS 880-53658/2-A	Lab Control Sample	95	93
LCSD 880-53484/3-A	Lab Control Sample Dup	119	91
LCSD 880-53630/3-A	Lab Control Sample Dup	100	76
LCSD 880-53658/3-A	Lab Control Sample Dup	109	109
MB 880-53484/1-A	Method Blank	188 S1+	152 S1+
MB 880-53630/1-A	Method Blank	214 S1+	171 S1+
MB 880-53658/1-A	Method Blank	195 S1+	206 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-53607/5-A
Matrix: Solid
Analysis Batch: 53830

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 53607

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 01:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 01:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 01:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/17/23 15:24	05/23/23 01:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 01:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/17/23 15:24	05/23/23 01:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	05/17/23 15:24	05/23/23 01:25	1
1,4-Difluorobenzene (Surr)	79		70 - 130	05/17/23 15:24	05/23/23 01:25	1

Lab Sample ID: LCS 880-53607/1-A
Matrix: Solid
Analysis Batch: 53830

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 53607

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1041		mg/Kg		104	70 - 130
Toluene	0.100	0.09669		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.09402		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1976		mg/Kg		99	70 - 130
o-Xylene	0.100	0.09913		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: LCSD 880-53607/2-A
Matrix: Solid
Analysis Batch: 53830

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 53607

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1188		mg/Kg		119	70 - 130	13	35
Toluene	0.100	0.1053		mg/Kg		105	70 - 130	8	35
Ethylbenzene	0.100	0.1047		mg/Kg		105	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.2212		mg/Kg		111	70 - 130	11	35
o-Xylene	0.100	0.1110		mg/Kg		111	70 - 130	11	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-28483-1 MS
Matrix: Solid
Analysis Batch: 53830

Client Sample ID: H-1 (1')
Prep Type: Total/NA
Prep Batch: 53607

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.100	0.1363	F1	mg/Kg		136	70 - 130
Toluene	<0.00201	U	0.100	0.1217		mg/Kg		121	70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

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

Lab Sample ID: 880-28483-1 MS

Client Sample ID: H-1 (1')

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 53830

Prep Batch: 53607

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00201	U	0.100	0.1176		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2448		mg/Kg		122	70 - 130
o-Xylene	<0.00201	U	0.100	0.1190		mg/Kg		119	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-28483-1 MSD

Client Sample ID: H-1 (1')

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 53830

Prep Batch: 53607

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00201	U F1	0.0990	0.1360	F1	mg/Kg		137	70 - 130	0	35
Toluene	<0.00201	U	0.0990	0.1179		mg/Kg		119	70 - 130	3	35
Ethylbenzene	<0.00201	U	0.0990	0.1174		mg/Kg		119	70 - 130	0	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.2425		mg/Kg		122	70 - 130	1	35
o-Xylene	<0.00201	U	0.0990	0.1173		mg/Kg		119	70 - 130	1	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	155	S1+	70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: MB 880-53609/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 53830

Prep Batch: 53609

Analyte	MB	MB	RL	MDL	Unit	D	Prepared		Analyzed		Dil Fac
	Result	Qualifier									
Benzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:42	05/22/23 11:52			1
Toluene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:42	05/22/23 11:52			1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:42	05/22/23 11:52			1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/17/23 15:42	05/22/23 11:52			1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:42	05/22/23 11:52			1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/17/23 15:42	05/22/23 11:52			1

Surrogate	MB	MB	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	82		70 - 130

Prepared		Analyzed		Dil Fac
05/17/23 15:42	05/22/23 11:52	05/17/23 15:42	05/22/23 11:52	1
05/17/23 15:42	05/22/23 11:52	05/17/23 15:42	05/22/23 11:52	1

Lab Sample ID: MB 880-53662/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 53831

Prep Batch: 53662

Analyte	MB	MB	RL	MDL	Unit	D	Prepared		Analyzed		Dil Fac
	Result	Qualifier									
Benzene	<0.00200	U	0.00200		mg/Kg		05/18/23 11:50	05/22/23 22:04			1
Toluene	<0.00200	U	0.00200		mg/Kg		05/18/23 11:50	05/22/23 22:04			1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/18/23 11:50	05/22/23 22:04			1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/18/23 11:50	05/22/23 22:04			1

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

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

Lab Sample ID: MB 880-53662/5-A
Matrix: Solid
Analysis Batch: 53831

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 53662

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/18/23 11:50	05/22/23 22:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/18/23 11:50	05/22/23 22:04	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130	05/18/23 11:50	05/22/23 22:04	1
1,4-Difluorobenzene (Surr)	82		70 - 130	05/18/23 11:50	05/22/23 22:04	1

Lab Sample ID: LCS 880-53662/1-A
Matrix: Solid
Analysis Batch: 53831

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 53662

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.1238		mg/Kg		124	70 - 130
Toluene	0.100	0.1064		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1067		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.2248		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1163		mg/Kg		116	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-53662/2-A
Matrix: Solid
Analysis Batch: 53831

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 53662

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
		Result	Qualifier						
Benzene	0.100	0.1194		mg/Kg		119	70 - 130	4	35
Toluene	0.100	0.1035		mg/Kg		104	70 - 130	3	35
Ethylbenzene	0.100	0.1093		mg/Kg		109	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2321		mg/Kg		116	70 - 130	3	35
o-Xylene	0.100	0.1182		mg/Kg		118	70 - 130	2	35

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-28483-21 MS
Matrix: Solid
Analysis Batch: 53831

Client Sample ID: AH-3 (2.5')
Prep Type: Total/NA
Prep Batch: 53662

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	<0.00198	U	0.0998	0.1146		mg/Kg		115	70 - 130
Toluene	<0.00198	U	0.0998	0.09684		mg/Kg		97	70 - 130
Ethylbenzene	<0.00198	U	0.0998	0.09819		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.200	0.2035		mg/Kg		102	70 - 130
o-Xylene	<0.00198	U	0.0998	0.1027		mg/Kg		103	70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

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

Lab Sample ID: 880-28483-21 MS
Matrix: Solid
Analysis Batch: 53831

Client Sample ID: AH-3 (2.5')
Prep Type: Total/NA
Prep Batch: 53662

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-28483-21 MSD
Matrix: Solid
Analysis Batch: 53831

Client Sample ID: AH-3 (2.5')
Prep Type: Total/NA
Prep Batch: 53662

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Benzene	<0.00198	U	0.100	0.1206		mg/Kg		120	70 - 130	5	35	
Toluene	<0.00198	U	0.100	0.09943		mg/Kg		99	70 - 130	3	35	
Ethylbenzene	<0.00198	U	0.100	0.09744		mg/Kg		97	70 - 130	1	35	
m-Xylene & p-Xylene	<0.00396	U	0.200	0.2031		mg/Kg		101	70 - 130	0	35	
o-Xylene	<0.00198	U	0.100	0.1023		mg/Kg		102	70 - 130	0	35	

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

Lab Sample ID: MB 880-53833/5-A
Matrix: Solid
Analysis Batch: 53831

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 53833

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		05/22/23 08:42	05/22/23 11:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/22/23 08:42	05/22/23 11:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/22/23 08:42	05/22/23 11:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/22/23 08:42	05/22/23 11:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/22/23 08:42	05/22/23 11:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/22/23 08:42	05/22/23 11:27	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	71		70 - 130	05/22/23 08:42	05/22/23 11:27	1
1,4-Difluorobenzene (Surr)	84		70 - 130	05/22/23 08:42	05/22/23 11:27	1

Lab Sample ID: MB 880-53960/5-A
Matrix: Solid
Analysis Batch: 53967

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 53960

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/23 09:51	05/23/23 13:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/23 09:51	05/23/23 13:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/23 09:51	05/23/23 13:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/23/23 09:51	05/23/23 13:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/23 09:51	05/23/23 13:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/23/23 09:51	05/23/23 13:32	1

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

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

Lab Sample ID: MB 880-53960/5-A
Matrix: Solid
Analysis Batch: 53967

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 53960

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	85		70 - 130	05/23/23 09:51	05/23/23 13:32	1
1,4-Difluorobenzene (Surr)	100		70 - 130	05/23/23 09:51	05/23/23 13:32	1

Lab Sample ID: LCS 880-53960/1-A
Matrix: Solid
Analysis Batch: 53967

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 53960

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.1231		mg/Kg		123	70 - 130
Toluene	0.100	0.09465		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.09213		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	0.200	0.1784		mg/Kg		89	70 - 130
o-Xylene	0.100	0.07972		mg/Kg		80	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	83		70 - 130
1,4-Difluorobenzene (Surr)	123		70 - 130

Lab Sample ID: LCSD 880-53960/2-A
Matrix: Solid
Analysis Batch: 53967

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 53960

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	Limit
		Result	Qualifier						
Benzene	0.100	0.1212		mg/Kg		121	70 - 130	1	35
Toluene	0.100	0.1039		mg/Kg		104	70 - 130	9	35
Ethylbenzene	0.100	0.1028		mg/Kg		103	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.2107		mg/Kg		105	70 - 130	17	35
o-Xylene	0.100	0.09677		mg/Kg		97	70 - 130	19	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 890-4690-A-1-C MS
Matrix: Solid
Analysis Batch: 53967

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 53960

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Benzene	<0.00200	U	0.101	0.1221		mg/Kg		121	70 - 130
Toluene	<0.00200	U	0.101	0.1138		mg/Kg		113	70 - 130
Ethylbenzene	<0.00200	U	0.101	0.1113		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.202	0.2251		mg/Kg		112	70 - 130
o-Xylene	<0.00200	U	0.101	0.1004		mg/Kg		100	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

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

Lab Sample ID: 890-4690-A-1-D MSD
 Matrix: Solid
 Analysis Batch: 53967

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 53960

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Benzene	<0.00200	U	0.0990	0.1258		mg/Kg		127	70 - 130	3	35
Toluene	<0.00200	U	0.0990	0.1112		mg/Kg		112	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.0990	0.1032		mg/Kg		104	70 - 130	8	35
m-Xylene & p-Xylene	<0.00399	U	0.198	0.2053		mg/Kg		104	70 - 130	9	35
o-Xylene	<0.00200	U	0.0990	0.09190		mg/Kg		93	70 - 130	9	35
		MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	91		70 - 130								
1,4-Difluorobenzene (Surr)	105		70 - 130								

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

Lab Sample ID: MB 880-53484/1-A
 Matrix: Solid
 Analysis Batch: 53550

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 53484

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 08:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 08:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 08:32	1
		MB	MB						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	188	S1+	70 - 130			05/16/23 12:53	05/17/23 08:32	1	
o-Terphenyl	152	S1+	70 - 130			05/16/23 12:53	05/17/23 08:32	1	

Lab Sample ID: LCS 880-53484/2-A
 Matrix: Solid
 Analysis Batch: 53550

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 53484

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Gasoline Range Organics (GRO)-C6-C10	1000	978.3		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1040		mg/Kg		104	70 - 130
		LCS	LCS				
Surrogate	%Recovery	Qualifier	Limits				
1-Chlorooctane	114		70 - 130				
o-Terphenyl	90		70 - 130				

Lab Sample ID: LCSD 880-53484/3-A
 Matrix: Solid
 Analysis Batch: 53550

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 53484

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec	RPD	Limit
							Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	943.4		mg/Kg		94	70 - 130	4	20

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-53484/3-A
Matrix: Solid
Analysis Batch: 53550

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 53484

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)	1000	1018		mg/Kg		102	70 - 130	2	20
Surrogate		LCSD %Recovery	LCSD Qualifier						Limits
1-Chlorooctane		119							70 - 130
o-Terphenyl		91							70 - 130

Lab Sample ID: 880-28483-1 MS
Matrix: Solid
Analysis Batch: 53550

Client Sample ID: H-1 (1')
Prep Type: Total/NA
Prep Batch: 53484

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	1000	1241		mg/Kg		120	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1091		mg/Kg		109	70 - 130
Surrogate		MS %Recovery		MS Qualifier					Limits
1-Chlorooctane		128							70 - 130
o-Terphenyl		84							70 - 130

Lab Sample ID: 880-28483-1 MSD
Matrix: Solid
Analysis Batch: 53550

Client Sample ID: H-1 (1')
Prep Type: Total/NA
Prep Batch: 53484

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	1130		mg/Kg		109	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1073		mg/Kg		108	70 - 130	2	20
Surrogate		MSD %Recovery		MSD Qualifier							Limits
1-Chlorooctane		126									70 - 130
o-Terphenyl		81									70 - 130

Lab Sample ID: MB 880-53630/1-A
Matrix: Solid
Analysis Batch: 53625

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 53630

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		05/18/23 08:00	05/18/23 08:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/18/23 08:00	05/18/23 08:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/18/23 08:00	05/18/23 08:37	1
Surrogate		MB %Recovery		MB Qualifier			Prepared	Analyzed	Dil Fac
1-Chlorooctane		214	S1+				05/18/23 08:00	05/18/23 08:37	1
o-Terphenyl		171	S1+				05/18/23 08:00	05/18/23 08:37	1

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-53630/2-A
Matrix: Solid
Analysis Batch: 53625

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 53630

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
							Lower	Upper
Gasoline Range Organics (GRO)-C6-C10	1000	824.0		mg/Kg		82	70	130
Diesel Range Organics (Over C10-C28)	1000	854.6		mg/Kg		85	70	130
		LCS	LCS					
Surrogate		%Recovery	Qualifier				Limits	
1-Chlorooctane		100					70 - 130	
o-Terphenyl		77					70 - 130	

Lab Sample ID: LCSD 880-53630/3-A
Matrix: Solid
Analysis Batch: 53625

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 53630

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
							Lower	Upper	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	825.3		mg/Kg		83	70	130	0	20
Diesel Range Organics (Over C10-C28)	1000	803.9		mg/Kg		80	70	130	6	20
		LCSD	LCSD							
Surrogate		%Recovery	Qualifier				Limits			
1-Chlorooctane		100					70 - 130			
o-Terphenyl		76					70 - 130			

Lab Sample ID: 880-28483-33 MS
Matrix: Solid
Analysis Batch: 53625

Client Sample ID: AH-5 (4.5')
Prep Type: Total/NA
Prep Batch: 53630

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
									Lower	Upper
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	999	1643	F1	mg/Kg		165	70	130
Diesel Range Organics (Over C10-C28)	108		999	939.9		mg/Kg		83	70	130
		MS	MS							
Surrogate		%Recovery	Qualifier				Limits			
1-Chlorooctane		124					70 - 130			
o-Terphenyl		85					70 - 130			

Lab Sample ID: 880-28483-33 MSD
Matrix: Solid
Analysis Batch: 53625

Client Sample ID: AH-5 (4.5')
Prep Type: Total/NA
Prep Batch: 53630

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
									Lower	Upper	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	999	1673	F1	mg/Kg		167	70	130	2	20
Diesel Range Organics (Over C10-C28)	108		999	953.5		mg/Kg		85	70	130	1	20
		MSD	MSD									
Surrogate		%Recovery	Qualifier				Limits					
1-Chlorooctane		127					70 - 130					

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

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

Lab Sample ID: 880-28483-33 MSD
Matrix: Solid
Analysis Batch: 53625

Client Sample ID: AH-5 (4.5')
Prep Type: Total/NA
Prep Batch: 53630

Surrogate	MSD		Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl	86		70 - 130

Lab Sample ID: MB 880-53658/1-A
Matrix: Solid
Analysis Batch: 53627

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 53658

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/18/23 08:00	05/18/23 08:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/18/23 08:00	05/18/23 08:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/18/23 08:00	05/18/23 08:37	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
<i>1</i> -Chlorooctane	195	S1+	70 - 130	05/18/23 08:00	05/18/23 08:37	1
<i>o</i> -Terphenyl	206	S1+	70 - 130	05/18/23 08:00	05/18/23 08:37	1

Lab Sample ID: LCS 880-53658/2-A
Matrix: Solid
Analysis Batch: 53627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 53658

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	962.5		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	988.7		mg/Kg		99	70 - 130

Surrogate	LCS		Limits
	%Recovery	Qualifier	
<i>1</i> -Chlorooctane	95		70 - 130
<i>o</i> -Terphenyl	93		70 - 130

Lab Sample ID: LCSD 880-53658/3-A
Matrix: Solid
Analysis Batch: 53627

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 53658

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec Limits	RPD	Limit
		Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	1000	947.9		mg/Kg		95	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	980.4		mg/Kg		98	70 - 130	1	20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
<i>1</i> -Chlorooctane	109		70 - 130
<i>o</i> -Terphenyl	109		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

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

Lab Sample ID: 880-28483-21 MS
 Matrix: Solid
 Analysis Batch: 53627

Client Sample ID: AH-3 (2.5')
 Prep Type: Total/NA
 Prep Batch: 53658

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1015		mg/Kg		100		70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1075		mg/Kg		104		70 - 130
Surrogate	%Recovery	Qualifier	Limits	MS	MS					
1-Chlorooctane	116		70 - 130							
o-Terphenyl	113		70 - 130							

Lab Sample ID: 880-28483-21 MSD
 Matrix: Solid
 Analysis Batch: 53627

Client Sample ID: AH-3 (2.5')
 Prep Type: Total/NA
 Prep Batch: 53658

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	908.9		mg/Kg		89		70 - 130	11	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	967.5		mg/Kg		93		70 - 130	11	20
Surrogate	%Recovery	Qualifier	Limits	MSD	MSD							
1-Chlorooctane	108		70 - 130									
o-Terphenyl	98		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-53567/1-A
 Matrix: Solid
 Analysis Batch: 53677

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<5.00	U	5.00		mg/Kg			05/18/23 20:22	1

Lab Sample ID: LCS 880-53567/2-A
 Matrix: Solid
 Analysis Batch: 53677

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec	Limits
Chloride	250	239.5		mg/Kg		96		90 - 110

Lab Sample ID: LCSD 880-53567/3-A
 Matrix: Solid
 Analysis Batch: 53677

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
Chloride	250	240.2		mg/Kg		96		90 - 110	0	20

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-28483-1 MS
Matrix: Solid
Analysis Batch: 53677

Client Sample ID: H-1 (1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	46.6		251	285.4		mg/Kg		95	90 - 110

Lab Sample ID: 880-28483-1 MSD
Matrix: Solid
Analysis Batch: 53677

Client Sample ID: H-1 (1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	46.6		251	286.0		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-28483-11 MS
Matrix: Solid
Analysis Batch: 53677

Client Sample ID: AH-1 (2.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	43.1		248	286.0		mg/Kg		98	90 - 110

Lab Sample ID: 880-28483-11 MSD
Matrix: Solid
Analysis Batch: 53677

Client Sample ID: AH-1 (2.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	43.1		248	285.9		mg/Kg		98	90 - 110	0	20

Lab Sample ID: MB 880-53568/1-A
Matrix: Solid
Analysis Batch: 53679

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			05/19/23 15:08	1

Lab Sample ID: LCS 880-53568/2-A
Matrix: Solid
Analysis Batch: 53679

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	265.6		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-53568/3-A
Matrix: Solid
Analysis Batch: 53679

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	267.1		mg/Kg		107	90 - 110	1	20

Lab Sample ID: 880-28483-21 MS
Matrix: Solid
Analysis Batch: 53679

Client Sample ID: AH-3 (2.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	92.7	F1	249	377.0	F1	mg/Kg		114	90 - 110

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-28483-21 MSD
Matrix: Solid
Analysis Batch: 53679

Client Sample ID: AH-3 (2.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	92.7	F1	249	375.9	F1	mg/Kg		114	90 - 110	0	20

Lab Sample ID: 880-28483-31 MS
Matrix: Solid
Analysis Batch: 53679

Client Sample ID: AH-5 (2.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	56.1		250	322.8		mg/Kg		107	90 - 110		

Lab Sample ID: 880-28483-31 MSD
Matrix: Solid
Analysis Batch: 53679

Client Sample ID: AH-5 (2.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	56.1		250	322.4		mg/Kg		107	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

GC VOA

Prep Batch: 53607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-1	H-1 (1')	Total/NA	Solid	5035	
880-28483-2	H-2 (1')	Total/NA	Solid	5035	
880-28483-3	H-3 (1')	Total/NA	Solid	5035	
880-28483-4	H-4 (1')	Total/NA	Solid	5035	
880-28483-5	H-5 (1')	Total/NA	Solid	5035	
880-28483-6	H-6 (1')	Total/NA	Solid	5035	
880-28483-7	H-7 (1')	Total/NA	Solid	5035	
880-28483-8	H-8 (1')	Total/NA	Solid	5035	
880-28483-9	AH-1 (1')	Total/NA	Solid	5035	
880-28483-10	AH-1 (1.5')	Total/NA	Solid	5035	
880-28483-11	AH-1 (2.5')	Total/NA	Solid	5035	
880-28483-12	AH-1 (3.5')	Total/NA	Solid	5035	
880-28483-13	AH-1 (4.5')	Total/NA	Solid	5035	
880-28483-14	AH-2 (1')	Total/NA	Solid	5035	
880-28483-15	AH-2 (1.5')	Total/NA	Solid	5035	
880-28483-16	AH-2 (2.5')	Total/NA	Solid	5035	
880-28483-17	AH-2 (3.5')	Total/NA	Solid	5035	
880-28483-18	AH-2 (4.5')	Total/NA	Solid	5035	
880-28483-19	AH-3 (1')	Total/NA	Solid	5035	
880-28483-20	AH-3 (1.5')	Total/NA	Solid	5035	
MB 880-53607/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53607/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53607/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28483-1 MS	H-1 (1')	Total/NA	Solid	5035	
880-28483-1 MSD	H-1 (1')	Total/NA	Solid	5035	

Prep Batch: 53609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-53609/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 53662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-21	AH-3 (2.5')	Total/NA	Solid	5035	
880-28483-22	AH-3 (3.5')	Total/NA	Solid	5035	
880-28483-23	AH-3 (4.5')	Total/NA	Solid	5035	
880-28483-24	AH-4 (1')	Total/NA	Solid	5035	
880-28483-25	AH-4 (1.5')	Total/NA	Solid	5035	
880-28483-26	AH-4 (2.5')	Total/NA	Solid	5035	
880-28483-27	AH-4 (3.5')	Total/NA	Solid	5035	
880-28483-28	AH-4 (4.5')	Total/NA	Solid	5035	
880-28483-29	AH-5 (1')	Total/NA	Solid	5035	
880-28483-30	AH-5 (1.5')	Total/NA	Solid	5035	
MB 880-53662/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53662/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53662/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28483-21 MS	AH-3 (2.5')	Total/NA	Solid	5035	
880-28483-21 MSD	AH-3 (2.5')	Total/NA	Solid	5035	

Analysis Batch: 53830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-1	H-1 (1')	Total/NA	Solid	8021B	53607

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QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

GC VOA (Continued)

Analysis Batch: 53830 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-2	H-2 (1')	Total/NA	Solid	8021B	53607
880-28483-3	H-3 (1')	Total/NA	Solid	8021B	53607
880-28483-4	H-4 (1')	Total/NA	Solid	8021B	53607
880-28483-5	H-5 (1')	Total/NA	Solid	8021B	53607
880-28483-6	H-6 (1')	Total/NA	Solid	8021B	53607
880-28483-7	H-7 (1')	Total/NA	Solid	8021B	53607
880-28483-8	H-8 (1')	Total/NA	Solid	8021B	53607
880-28483-9	AH-1 (1')	Total/NA	Solid	8021B	53607
880-28483-10	AH-1 (1.5')	Total/NA	Solid	8021B	53607
880-28483-11	AH-1 (2.5')	Total/NA	Solid	8021B	53607
880-28483-12	AH-1 (3.5')	Total/NA	Solid	8021B	53607
880-28483-13	AH-1 (4.5')	Total/NA	Solid	8021B	53607
880-28483-14	AH-2 (1')	Total/NA	Solid	8021B	53607
880-28483-15	AH-2 (1.5')	Total/NA	Solid	8021B	53607
880-28483-16	AH-2 (2.5')	Total/NA	Solid	8021B	53607
880-28483-17	AH-2 (3.5')	Total/NA	Solid	8021B	53607
880-28483-18	AH-2 (4.5')	Total/NA	Solid	8021B	53607
880-28483-19	AH-3 (1')	Total/NA	Solid	8021B	53607
880-28483-20	AH-3 (1.5')	Total/NA	Solid	8021B	53607
MB 880-53607/5-A	Method Blank	Total/NA	Solid	8021B	53607
MB 880-53609/5-A	Method Blank	Total/NA	Solid	8021B	53609
LCS 880-53607/1-A	Lab Control Sample	Total/NA	Solid	8021B	53607
LCSD 880-53607/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53607
880-28483-1 MS	H-1 (1')	Total/NA	Solid	8021B	53607
880-28483-1 MSD	H-1 (1')	Total/NA	Solid	8021B	53607

Analysis Batch: 53831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-21	AH-3 (2.5')	Total/NA	Solid	8021B	53662
880-28483-22	AH-3 (3.5')	Total/NA	Solid	8021B	53662
880-28483-23	AH-3 (4.5')	Total/NA	Solid	8021B	53662
880-28483-24	AH-4 (1')	Total/NA	Solid	8021B	53662
880-28483-25	AH-4 (1.5')	Total/NA	Solid	8021B	53662
880-28483-26	AH-4 (2.5')	Total/NA	Solid	8021B	53662
880-28483-27	AH-4 (3.5')	Total/NA	Solid	8021B	53662
880-28483-28	AH-4 (4.5')	Total/NA	Solid	8021B	53662
880-28483-29	AH-5 (1')	Total/NA	Solid	8021B	53662
880-28483-30	AH-5 (1.5')	Total/NA	Solid	8021B	53662
MB 880-53662/5-A	Method Blank	Total/NA	Solid	8021B	53662
MB 880-53833/5-A	Method Blank	Total/NA	Solid	8021B	53833
LCS 880-53662/1-A	Lab Control Sample	Total/NA	Solid	8021B	53662
LCSD 880-53662/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53662
880-28483-21 MS	AH-3 (2.5')	Total/NA	Solid	8021B	53662
880-28483-21 MSD	AH-3 (2.5')	Total/NA	Solid	8021B	53662

Prep Batch: 53833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-53833/5-A	Method Blank	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 53960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-31	AH-5 (2.5')	Total/NA	Solid	5035	
880-28483-32	AH-5 (3.5')	Total/NA	Solid	5035	
880-28483-33	AH-5 (4.5')	Total/NA	Solid	5035	
MB 880-53960/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53960/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53960/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4690-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-4690-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 53966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-1	H-1 (1')	Total/NA	Solid	Total BTEX	
880-28483-2	H-2 (1')	Total/NA	Solid	Total BTEX	
880-28483-3	H-3 (1')	Total/NA	Solid	Total BTEX	
880-28483-4	H-4 (1')	Total/NA	Solid	Total BTEX	
880-28483-5	H-5 (1')	Total/NA	Solid	Total BTEX	
880-28483-6	H-6 (1')	Total/NA	Solid	Total BTEX	
880-28483-7	H-7 (1')	Total/NA	Solid	Total BTEX	
880-28483-8	H-8 (1')	Total/NA	Solid	Total BTEX	
880-28483-9	AH-1 (1')	Total/NA	Solid	Total BTEX	
880-28483-10	AH-1 (1.5')	Total/NA	Solid	Total BTEX	
880-28483-11	AH-1 (2.5')	Total/NA	Solid	Total BTEX	
880-28483-12	AH-1 (3.5')	Total/NA	Solid	Total BTEX	
880-28483-13	AH-1 (4.5')	Total/NA	Solid	Total BTEX	
880-28483-14	AH-2 (1')	Total/NA	Solid	Total BTEX	
880-28483-15	AH-2 (1.5')	Total/NA	Solid	Total BTEX	
880-28483-16	AH-2 (2.5')	Total/NA	Solid	Total BTEX	
880-28483-17	AH-2 (3.5')	Total/NA	Solid	Total BTEX	
880-28483-18	AH-2 (4.5')	Total/NA	Solid	Total BTEX	
880-28483-19	AH-3 (1')	Total/NA	Solid	Total BTEX	
880-28483-20	AH-3 (1.5')	Total/NA	Solid	Total BTEX	
880-28483-21	AH-3 (2.5')	Total/NA	Solid	Total BTEX	
880-28483-22	AH-3 (3.5')	Total/NA	Solid	Total BTEX	
880-28483-23	AH-3 (4.5')	Total/NA	Solid	Total BTEX	
880-28483-24	AH-4 (1')	Total/NA	Solid	Total BTEX	
880-28483-25	AH-4 (1.5')	Total/NA	Solid	Total BTEX	
880-28483-26	AH-4 (2.5')	Total/NA	Solid	Total BTEX	
880-28483-27	AH-4 (3.5')	Total/NA	Solid	Total BTEX	
880-28483-28	AH-4 (4.5')	Total/NA	Solid	Total BTEX	
880-28483-29	AH-5 (1')	Total/NA	Solid	Total BTEX	
880-28483-30	AH-5 (1.5')	Total/NA	Solid	Total BTEX	
880-28483-31	AH-5 (2.5')	Total/NA	Solid	Total BTEX	
880-28483-32	AH-5 (3.5')	Total/NA	Solid	Total BTEX	
880-28483-33	AH-5 (4.5')	Total/NA	Solid	Total BTEX	

Analysis Batch: 53967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-31	AH-5 (2.5')	Total/NA	Solid	8021B	53960
880-28483-32	AH-5 (3.5')	Total/NA	Solid	8021B	53960
880-28483-33	AH-5 (4.5')	Total/NA	Solid	8021B	53960
MB 880-53960/5-A	Method Blank	Total/NA	Solid	8021B	53960

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

GC VOA (Continued)

Analysis Batch: 53967 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-53960/1-A	Lab Control Sample	Total/NA	Solid	8021B	53960
LCSD 880-53960/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53960
890-4690-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	53960
890-4690-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	53960

GC Semi VOA

Prep Batch: 53484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-1	H-1 (1')	Total/NA	Solid	8015NM Prep	
880-28483-2	H-2 (1')	Total/NA	Solid	8015NM Prep	
880-28483-3	H-3 (1')	Total/NA	Solid	8015NM Prep	
880-28483-4	H-4 (1')	Total/NA	Solid	8015NM Prep	
880-28483-5	H-5 (1')	Total/NA	Solid	8015NM Prep	
880-28483-6	H-6 (1')	Total/NA	Solid	8015NM Prep	
880-28483-7	H-7 (1')	Total/NA	Solid	8015NM Prep	
880-28483-8	H-8 (1')	Total/NA	Solid	8015NM Prep	
880-28483-9	AH-1 (1')	Total/NA	Solid	8015NM Prep	
880-28483-10	AH-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-28483-11	AH-1 (2.5')	Total/NA	Solid	8015NM Prep	
880-28483-12	AH-1 (3.5')	Total/NA	Solid	8015NM Prep	
880-28483-13	AH-1 (4.5')	Total/NA	Solid	8015NM Prep	
880-28483-14	AH-2 (1')	Total/NA	Solid	8015NM Prep	
880-28483-15	AH-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-28483-16	AH-2 (2.5')	Total/NA	Solid	8015NM Prep	
880-28483-17	AH-2 (3.5')	Total/NA	Solid	8015NM Prep	
880-28483-18	AH-2 (4.5')	Total/NA	Solid	8015NM Prep	
880-28483-19	AH-3 (1')	Total/NA	Solid	8015NM Prep	
880-28483-20	AH-3 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-53484/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53484/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53484/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28483-1 MS	H-1 (1')	Total/NA	Solid	8015NM Prep	
880-28483-1 MSD	H-1 (1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 53550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-1	H-1 (1')	Total/NA	Solid	8015B NM	53484
880-28483-2	H-2 (1')	Total/NA	Solid	8015B NM	53484
880-28483-3	H-3 (1')	Total/NA	Solid	8015B NM	53484
880-28483-4	H-4 (1')	Total/NA	Solid	8015B NM	53484
880-28483-5	H-5 (1')	Total/NA	Solid	8015B NM	53484
880-28483-6	H-6 (1')	Total/NA	Solid	8015B NM	53484
880-28483-7	H-7 (1')	Total/NA	Solid	8015B NM	53484
880-28483-8	H-8 (1')	Total/NA	Solid	8015B NM	53484
880-28483-9	AH-1 (1')	Total/NA	Solid	8015B NM	53484
880-28483-10	AH-1 (1.5')	Total/NA	Solid	8015B NM	53484
880-28483-11	AH-1 (2.5')	Total/NA	Solid	8015B NM	53484
880-28483-12	AH-1 (3.5')	Total/NA	Solid	8015B NM	53484
880-28483-13	AH-1 (4.5')	Total/NA	Solid	8015B NM	53484
880-28483-14	AH-2 (1')	Total/NA	Solid	8015B NM	53484

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 53550 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-15	AH-2 (1.5')	Total/NA	Solid	8015B NM	53484
880-28483-16	AH-2 (2.5')	Total/NA	Solid	8015B NM	53484
880-28483-17	AH-2 (3.5')	Total/NA	Solid	8015B NM	53484
880-28483-18	AH-2 (4.5')	Total/NA	Solid	8015B NM	53484
880-28483-19	AH-3 (1')	Total/NA	Solid	8015B NM	53484
880-28483-20	AH-3 (1.5')	Total/NA	Solid	8015B NM	53484
MB 880-53484/1-A	Method Blank	Total/NA	Solid	8015B NM	53484
LCS 880-53484/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53484
LCSD 880-53484/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53484
880-28483-1 MS	H-1 (1')	Total/NA	Solid	8015B NM	53484
880-28483-1 MSD	H-1 (1')	Total/NA	Solid	8015B NM	53484

Analysis Batch: 53625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-24	AH-4 (1')	Total/NA	Solid	8015B NM	53630
880-28483-25	AH-4 (1.5')	Total/NA	Solid	8015B NM	53630
880-28483-26	AH-4 (2.5')	Total/NA	Solid	8015B NM	53630
880-28483-27	AH-4 (3.5')	Total/NA	Solid	8015B NM	53630
880-28483-28	AH-4 (4.5')	Total/NA	Solid	8015B NM	53630
880-28483-29	AH-5 (1')	Total/NA	Solid	8015B NM	53630
880-28483-30	AH-5 (1.5')	Total/NA	Solid	8015B NM	53630
880-28483-31	AH-5 (2.5')	Total/NA	Solid	8015B NM	53630
880-28483-32	AH-5 (3.5')	Total/NA	Solid	8015B NM	53630
880-28483-33	AH-5 (4.5')	Total/NA	Solid	8015B NM	53630
MB 880-53630/1-A	Method Blank	Total/NA	Solid	8015B NM	53630
LCS 880-53630/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53630
LCSD 880-53630/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53630
880-28483-33 MS	AH-5 (4.5')	Total/NA	Solid	8015B NM	53630
880-28483-33 MSD	AH-5 (4.5')	Total/NA	Solid	8015B NM	53630

Analysis Batch: 53627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-21	AH-3 (2.5')	Total/NA	Solid	8015B NM	53658
880-28483-22	AH-3 (3.5')	Total/NA	Solid	8015B NM	53658
880-28483-23	AH-3 (4.5')	Total/NA	Solid	8015B NM	53658
MB 880-53658/1-A	Method Blank	Total/NA	Solid	8015B NM	53658
LCS 880-53658/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53658
LCSD 880-53658/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53658
880-28483-21 MS	AH-3 (2.5')	Total/NA	Solid	8015B NM	53658
880-28483-21 MSD	AH-3 (2.5')	Total/NA	Solid	8015B NM	53658

Prep Batch: 53630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-24	AH-4 (1')	Total/NA	Solid	8015NM Prep	
880-28483-25	AH-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-28483-26	AH-4 (2.5')	Total/NA	Solid	8015NM Prep	
880-28483-27	AH-4 (3.5')	Total/NA	Solid	8015NM Prep	
880-28483-28	AH-4 (4.5')	Total/NA	Solid	8015NM Prep	
880-28483-29	AH-5 (1')	Total/NA	Solid	8015NM Prep	
880-28483-30	AH-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-28483-31	AH-5 (2.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

GC Semi VOA (Continued)

Prep Batch: 53630 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-32	AH-5 (3.5')	Total/NA	Solid	8015NM Prep	
880-28483-33	AH-5 (4.5')	Total/NA	Solid	8015NM Prep	
MB 880-53630/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53630/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53630/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28483-33 MS	AH-5 (4.5')	Total/NA	Solid	8015NM Prep	
880-28483-33 MSD	AH-5 (4.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 53658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-21	AH-3 (2.5')	Total/NA	Solid	8015NM Prep	
880-28483-22	AH-3 (3.5')	Total/NA	Solid	8015NM Prep	
880-28483-23	AH-3 (4.5')	Total/NA	Solid	8015NM Prep	
MB 880-53658/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53658/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53658/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28483-21 MS	AH-3 (2.5')	Total/NA	Solid	8015NM Prep	
880-28483-21 MSD	AH-3 (2.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 53666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-1	H-1 (1')	Total/NA	Solid	8015 NM	
880-28483-2	H-2 (1')	Total/NA	Solid	8015 NM	
880-28483-3	H-3 (1')	Total/NA	Solid	8015 NM	
880-28483-4	H-4 (1')	Total/NA	Solid	8015 NM	
880-28483-5	H-5 (1')	Total/NA	Solid	8015 NM	
880-28483-6	H-6 (1')	Total/NA	Solid	8015 NM	
880-28483-7	H-7 (1')	Total/NA	Solid	8015 NM	
880-28483-8	H-8 (1')	Total/NA	Solid	8015 NM	
880-28483-9	AH-1 (1')	Total/NA	Solid	8015 NM	
880-28483-10	AH-1 (1.5')	Total/NA	Solid	8015 NM	
880-28483-11	AH-1 (2.5')	Total/NA	Solid	8015 NM	
880-28483-12	AH-1 (3.5')	Total/NA	Solid	8015 NM	
880-28483-13	AH-1 (4.5')	Total/NA	Solid	8015 NM	
880-28483-14	AH-2 (1')	Total/NA	Solid	8015 NM	
880-28483-15	AH-2 (1.5')	Total/NA	Solid	8015 NM	
880-28483-16	AH-2 (2.5')	Total/NA	Solid	8015 NM	
880-28483-17	AH-2 (3.5')	Total/NA	Solid	8015 NM	
880-28483-18	AH-2 (4.5')	Total/NA	Solid	8015 NM	
880-28483-19	AH-3 (1')	Total/NA	Solid	8015 NM	
880-28483-20	AH-3 (1.5')	Total/NA	Solid	8015 NM	
880-28483-21	AH-3 (2.5')	Total/NA	Solid	8015 NM	
880-28483-22	AH-3 (3.5')	Total/NA	Solid	8015 NM	
880-28483-23	AH-3 (4.5')	Total/NA	Solid	8015 NM	
880-28483-24	AH-4 (1')	Total/NA	Solid	8015 NM	
880-28483-25	AH-4 (1.5')	Total/NA	Solid	8015 NM	
880-28483-26	AH-4 (2.5')	Total/NA	Solid	8015 NM	
880-28483-27	AH-4 (3.5')	Total/NA	Solid	8015 NM	
880-28483-28	AH-4 (4.5')	Total/NA	Solid	8015 NM	
880-28483-29	AH-5 (1')	Total/NA	Solid	8015 NM	
880-28483-30	AH-5 (1.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 53666 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-31	AH-5 (2.5')	Total/NA	Solid	8015 NM	
880-28483-32	AH-5 (3.5')	Total/NA	Solid	8015 NM	
880-28483-33	AH-5 (4.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 53567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-1	H-1 (1')	Soluble	Solid	DI Leach	
880-28483-2	H-2 (1')	Soluble	Solid	DI Leach	
880-28483-3	H-3 (1')	Soluble	Solid	DI Leach	
880-28483-4	H-4 (1')	Soluble	Solid	DI Leach	
880-28483-5	H-5 (1')	Soluble	Solid	DI Leach	
880-28483-6	H-6 (1')	Soluble	Solid	DI Leach	
880-28483-7	H-7 (1')	Soluble	Solid	DI Leach	
880-28483-8	H-8 (1')	Soluble	Solid	DI Leach	
880-28483-9	AH-1 (1')	Soluble	Solid	DI Leach	
880-28483-10	AH-1 (1.5')	Soluble	Solid	DI Leach	
880-28483-11	AH-1 (2.5')	Soluble	Solid	DI Leach	
880-28483-12	AH-1 (3.5')	Soluble	Solid	DI Leach	
880-28483-13	AH-1 (4.5')	Soluble	Solid	DI Leach	
880-28483-14	AH-2 (1')	Soluble	Solid	DI Leach	
880-28483-15	AH-2 (1.5')	Soluble	Solid	DI Leach	
880-28483-16	AH-2 (2.5')	Soluble	Solid	DI Leach	
880-28483-17	AH-2 (3.5')	Soluble	Solid	DI Leach	
880-28483-18	AH-2 (4.5')	Soluble	Solid	DI Leach	
880-28483-19	AH-3 (1')	Soluble	Solid	DI Leach	
880-28483-20	AH-3 (1.5')	Soluble	Solid	DI Leach	
MB 880-53567/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-53567/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCS 880-53567/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28483-1 MS	H-1 (1')	Soluble	Solid	DI Leach	
880-28483-1 MSD	H-1 (1')	Soluble	Solid	DI Leach	
880-28483-11 MS	AH-1 (2.5')	Soluble	Solid	DI Leach	
880-28483-11 MSD	AH-1 (2.5')	Soluble	Solid	DI Leach	

Leach Batch: 53568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-21	AH-3 (2.5')	Soluble	Solid	DI Leach	
880-28483-22	AH-3 (3.5')	Soluble	Solid	DI Leach	
880-28483-23	AH-3 (4.5')	Soluble	Solid	DI Leach	
880-28483-24	AH-4 (1')	Soluble	Solid	DI Leach	
880-28483-25	AH-4 (1.5')	Soluble	Solid	DI Leach	
880-28483-26	AH-4 (2.5')	Soluble	Solid	DI Leach	
880-28483-27	AH-4 (3.5')	Soluble	Solid	DI Leach	
880-28483-28	AH-4 (4.5')	Soluble	Solid	DI Leach	
880-28483-29	AH-5 (1')	Soluble	Solid	DI Leach	
880-28483-30	AH-5 (1.5')	Soluble	Solid	DI Leach	
880-28483-31	AH-5 (2.5')	Soluble	Solid	DI Leach	
880-28483-32	AH-5 (3.5')	Soluble	Solid	DI Leach	
880-28483-33	AH-5 (4.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Leach Batch: 53568 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-53568/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-53568/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-53568/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28483-21 MS	AH-3 (2.5')	Soluble	Solid	DI Leach	
880-28483-21 MSD	AH-3 (2.5')	Soluble	Solid	DI Leach	
880-28483-31 MS	AH-5 (2.5')	Soluble	Solid	DI Leach	
880-28483-31 MSD	AH-5 (2.5')	Soluble	Solid	DI Leach	

Analysis Batch: 53677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-1	H-1 (1')	Soluble	Solid	300.0	53567
880-28483-2	H-2 (1')	Soluble	Solid	300.0	53567
880-28483-3	H-3 (1')	Soluble	Solid	300.0	53567
880-28483-4	H-4 (1')	Soluble	Solid	300.0	53567
880-28483-5	H-5 (1')	Soluble	Solid	300.0	53567
880-28483-6	H-6 (1')	Soluble	Solid	300.0	53567
880-28483-7	H-7 (1')	Soluble	Solid	300.0	53567
880-28483-8	H-8 (1')	Soluble	Solid	300.0	53567
880-28483-9	AH-1 (1')	Soluble	Solid	300.0	53567
880-28483-10	AH-1 (1.5')	Soluble	Solid	300.0	53567
880-28483-11	AH-1 (2.5')	Soluble	Solid	300.0	53567
880-28483-12	AH-1 (3.5')	Soluble	Solid	300.0	53567
880-28483-13	AH-1 (4.5')	Soluble	Solid	300.0	53567
880-28483-14	AH-2 (1')	Soluble	Solid	300.0	53567
880-28483-15	AH-2 (1.5')	Soluble	Solid	300.0	53567
880-28483-16	AH-2 (2.5')	Soluble	Solid	300.0	53567
880-28483-17	AH-2 (3.5')	Soluble	Solid	300.0	53567
880-28483-18	AH-2 (4.5')	Soluble	Solid	300.0	53567
880-28483-19	AH-3 (1')	Soluble	Solid	300.0	53567
880-28483-20	AH-3 (1.5')	Soluble	Solid	300.0	53567
MB 880-53567/1-A	Method Blank	Soluble	Solid	300.0	53567
LCS 880-53567/2-A	Lab Control Sample	Soluble	Solid	300.0	53567
LCSD 880-53567/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	53567
880-28483-1 MS	H-1 (1')	Soluble	Solid	300.0	53567
880-28483-1 MSD	H-1 (1')	Soluble	Solid	300.0	53567
880-28483-11 MS	AH-1 (2.5')	Soluble	Solid	300.0	53567
880-28483-11 MSD	AH-1 (2.5')	Soluble	Solid	300.0	53567

Analysis Batch: 53679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-21	AH-3 (2.5')	Soluble	Solid	300.0	53568
880-28483-22	AH-3 (3.5')	Soluble	Solid	300.0	53568
880-28483-23	AH-3 (4.5')	Soluble	Solid	300.0	53568
880-28483-24	AH-4 (1')	Soluble	Solid	300.0	53568
880-28483-25	AH-4 (1.5')	Soluble	Solid	300.0	53568
880-28483-26	AH-4 (2.5')	Soluble	Solid	300.0	53568
880-28483-27	AH-4 (3.5')	Soluble	Solid	300.0	53568
880-28483-28	AH-4 (4.5')	Soluble	Solid	300.0	53568
880-28483-29	AH-5 (1')	Soluble	Solid	300.0	53568
880-28483-30	AH-5 (1.5')	Soluble	Solid	300.0	53568
880-28483-31	AH-5 (2.5')	Soluble	Solid	300.0	53568

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Analysis Batch: 53679 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-32	AH-5 (3.5')	Soluble	Solid	300.0	53568
880-28483-33	AH-5 (4.5')	Soluble	Solid	300.0	53568
MB 880-53568/1-A	Method Blank	Soluble	Solid	300.0	53568
LCS 880-53568/2-A	Lab Control Sample	Soluble	Solid	300.0	53568
LCSD 880-53568/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	53568
880-28483-21 MS	AH-3 (2.5')	Soluble	Solid	300.0	53568
880-28483-21 MSD	AH-3 (2.5')	Soluble	Solid	300.0	53568
880-28483-31 MS	AH-5 (2.5')	Soluble	Solid	300.0	53568
880-28483-31 MSD	AH-5 (2.5')	Soluble	Solid	300.0	53568

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Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: H-1 (1')

Lab Sample ID: 880-28483-1

Date Collected: 05/12/23 08:45

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 01:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 11:06	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 20:38	CH	EET MID

Client Sample ID: H-2 (1')

Lab Sample ID: 880-28483-2

Date Collected: 05/12/23 09:00

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 02:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 12:11	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 20:54	CH	EET MID

Client Sample ID: H-3 (1')

Lab Sample ID: 880-28483-3

Date Collected: 05/12/23 09:15

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 02:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 12:33	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 21:00	CH	EET MID

Client Sample ID: H-4 (1')

Lab Sample ID: 880-28483-4

Date Collected: 05/12/23 09:30

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 03:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: H-4 (1')

Lab Sample ID: 880-28483-4

Date Collected: 05/12/23 09:30

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 12:55	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 21:05	CH	EET MID

Client Sample ID: H-5 (1')

Lab Sample ID: 880-28483-5

Date Collected: 05/12/23 09:45

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 03:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 13:16	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 21:11	CH	EET MID

Client Sample ID: H-6 (1')

Lab Sample ID: 880-28483-6

Date Collected: 05/12/23 10:00

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 04:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 13:38	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 21:27	CH	EET MID

Client Sample ID: H-7 (1')

Lab Sample ID: 880-28483-7

Date Collected: 05/12/23 10:15

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 04:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 14:00	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: H-7 (1')

Lab Sample ID: 880-28483-7

Date Collected: 05/12/23 10:15

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 21:32	CH	EET MID

Client Sample ID: H-8 (1')

Lab Sample ID: 880-28483-8

Date Collected: 05/12/23 10:30

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 04:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 14:21	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 21:37	CH	EET MID

Client Sample ID: AH-1 (1')

Lab Sample ID: 880-28483-9

Date Collected: 05/12/23 10:45

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 05:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 14:43	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 21:43	CH	EET MID

Client Sample ID: AH-1 (1.5')

Lab Sample ID: 880-28483-10

Date Collected: 05/12/23 11:00

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 05:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 15:04	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 21:48	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-1 (2.5')

Lab Sample ID: 880-28483-11

Date Collected: 05/12/23 11:15

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 07:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 15:48	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 21:53	CH	EET MID

Client Sample ID: AH-1 (3.5')

Lab Sample ID: 880-28483-12

Date Collected: 05/12/23 11:30

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 08:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 16:09	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 22:09	CH	EET MID

Client Sample ID: AH-1 (4.5')

Lab Sample ID: 880-28483-13

Date Collected: 05/12/23 11:45

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 08:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 16:31	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 22:15	CH	EET MID

Client Sample ID: AH-2 (1')

Lab Sample ID: 880-28483-14

Date Collected: 05/12/23 12:00

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 08:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-2 (1')

Lab Sample ID: 880-28483-14

Date Collected: 05/12/23 12:00

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 16:53	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 22:31	CH	EET MID

Client Sample ID: AH-2 (1.5')

Lab Sample ID: 880-28483-15

Date Collected: 05/12/23 12:30

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 09:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 10:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 17:14	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 22:37	CH	EET MID

Client Sample ID: AH-2 (2.5')

Lab Sample ID: 880-28483-16

Date Collected: 05/12/23 12:45

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 09:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 10:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 17:37	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 22:42	CH	EET MID

Client Sample ID: AH-2 (3.5')

Lab Sample ID: 880-28483-17

Date Collected: 05/12/23 13:00

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 10:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 10:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 17:58	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-2 (3.5')

Lab Sample ID: 880-28483-17

Date Collected: 05/12/23 13:00

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 22:47	CH	EET MID

Client Sample ID: AH-2 (4.5')

Lab Sample ID: 880-28483-18

Date Collected: 05/12/23 13:15

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 10:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 10:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 18:20	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 22:53	CH	EET MID

Client Sample ID: AH-3 (1')

Lab Sample ID: 880-28483-19

Date Collected: 05/12/23 13:30

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 11:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 10:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 18:42	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 22:58	CH	EET MID

Client Sample ID: AH-3 (1.5')

Lab Sample ID: 880-28483-20

Date Collected: 05/12/23 13:45

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 11:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/24/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 19:03	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 23:03	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-3 (2.5')

Lab Sample ID: 880-28483-21

Date Collected: 05/12/23 14:00

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	53662	05/18/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53831	05/22/23 22:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/19/23 10:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53658	05/18/23 10:51	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53627	05/18/23 11:44	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53568	05/17/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			53679	05/19/23 15:24	CH	EET MID

Client Sample ID: AH-3 (3.5')

Lab Sample ID: 880-28483-22

Date Collected: 05/12/23 14:15

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53662	05/18/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53831	05/22/23 22:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/19/23 10:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53658	05/18/23 10:51	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53627	05/18/23 12:50	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	53568	05/17/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			53679	05/19/23 15:40	CH	EET MID

Client Sample ID: AH-3 (4.5')

Lab Sample ID: 880-28483-23

Date Collected: 05/12/23 14:30

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53662	05/18/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53831	05/22/23 23:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/19/23 10:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53658	05/18/23 10:51	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53627	05/18/23 13:11	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	53568	05/17/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			53679	05/19/23 15:45	CH	EET MID

Client Sample ID: AH-4 (1')

Lab Sample ID: 880-28483-24

Date Collected: 05/12/23 14:45

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	53662	05/18/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53831	05/22/23 23:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:08	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-4 (1')

Lab Sample ID: 880-28483-24

Date Collected: 05/12/23 14:45

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			53666	05/18/23 15:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53630	05/18/23 08:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53625	05/18/23 12:50	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53568	05/17/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			53679	05/19/23 15:51	CH	EET MID

Client Sample ID: AH-4 (1.5')

Lab Sample ID: 880-28483-25

Date Collected: 05/12/23 15:00

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	53662	05/18/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53831	05/22/23 23:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 15:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53630	05/18/23 08:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53625	05/18/23 15:00	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	53568	05/17/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			53679	05/19/23 15:56	CH	EET MID

Client Sample ID: AH-4 (2.5')

Lab Sample ID: 880-28483-26

Date Collected: 05/12/23 15:15

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53662	05/18/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53831	05/23/23 00:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/19/23 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53630	05/18/23 08:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53625	05/18/23 15:22	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	53568	05/17/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			53679	05/19/23 16:12	CH	EET MID

Client Sample ID: AH-4 (3.5')

Lab Sample ID: 880-28483-27

Date Collected: 05/12/23 15:30

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53662	05/18/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53831	05/23/23 00:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/19/23 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53630	05/18/23 08:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53625	05/18/23 15:43	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-4 (3.5')

Lab Sample ID: 880-28483-27

Date Collected: 05/12/23 15:30

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	53568	05/17/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			53679	05/19/23 16:17	CH	EET MID

Client Sample ID: AH-4 (4.5')

Lab Sample ID: 880-28483-28

Date Collected: 05/12/23 15:45

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53662	05/18/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53831	05/23/23 00:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/19/23 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	53630	05/18/23 08:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53625	05/18/23 16:28	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	53568	05/17/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			53679	05/19/23 16:23	CH	EET MID

Client Sample ID: AH-5 (1')

Lab Sample ID: 880-28483-29

Date Collected: 05/12/23 16:00

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53662	05/18/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53831	05/23/23 01:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/19/23 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53630	05/18/23 08:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53625	05/18/23 16:50	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	53568	05/17/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			53679	05/19/23 16:28	CH	EET MID

Client Sample ID: AH-5 (1.5')

Lab Sample ID: 880-28483-30

Date Collected: 05/12/23 16:15

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53662	05/18/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53831	05/23/23 01:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/19/23 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53630	05/18/23 08:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53625	05/18/23 17:12	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53568	05/17/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			53679	05/19/23 16:33	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-5 (2.5')

Lab Sample ID: 880-28483-31

Date Collected: 05/12/23 16:30

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53960	05/23/23 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53967	05/23/23 19:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/24/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/19/23 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53630	05/18/23 08:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53625	05/18/23 17:34	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53568	05/17/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			53679	05/19/23 16:39	CH	EET MID

Client Sample ID: AH-5 (3.5')

Lab Sample ID: 880-28483-32

Date Collected: 05/12/23 16:45

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53960	05/23/23 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53967	05/23/23 20:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/24/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/19/23 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53630	05/18/23 08:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53625	05/18/23 17:56	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	53568	05/17/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			53679	05/19/23 16:55	CH	EET MID

Client Sample ID: AH-5 (4.5')

Lab Sample ID: 880-28483-33

Date Collected: 05/12/23 17:00

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53960	05/23/23 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53967	05/23/23 20:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/24/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 15:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53630	05/18/23 08:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53625	05/18/23 11:44	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53568	05/17/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			53679	05/19/23 17:00	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

- 1
- 2
- 3
- 4
- 5
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Method Summary

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- 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:

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



Sample Summary

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-28483-1	H-1 (1')	Solid	05/12/23 08:45	05/16/23 11:30
880-28483-2	H-2 (1')	Solid	05/12/23 09:00	05/16/23 11:30
880-28483-3	H-3 (1')	Solid	05/12/23 09:15	05/16/23 11:30
880-28483-4	H-4 (1')	Solid	05/12/23 09:30	05/16/23 11:30
880-28483-5	H-5 (1')	Solid	05/12/23 09:45	05/16/23 11:30
880-28483-6	H-6 (1')	Solid	05/12/23 10:00	05/16/23 11:30
880-28483-7	H-7 (1')	Solid	05/12/23 10:15	05/16/23 11:30
880-28483-8	H-8 (1')	Solid	05/12/23 10:30	05/16/23 11:30
880-28483-9	AH-1 (1')	Solid	05/12/23 10:45	05/16/23 11:30
880-28483-10	AH-1 (1.5')	Solid	05/12/23 11:00	05/16/23 11:30
880-28483-11	AH-1 (2.5')	Solid	05/12/23 11:15	05/16/23 11:30
880-28483-12	AH-1 (3.5')	Solid	05/12/23 11:30	05/16/23 11:30
880-28483-13	AH-1 (4.5')	Solid	05/12/23 11:45	05/16/23 11:30
880-28483-14	AH-2 (1')	Solid	05/12/23 12:00	05/16/23 11:30
880-28483-15	AH-2 (1.5')	Solid	05/12/23 12:30	05/16/23 11:30
880-28483-16	AH-2 (2.5')	Solid	05/12/23 12:45	05/16/23 11:30
880-28483-17	AH-2 (3.5')	Solid	05/12/23 13:00	05/16/23 11:30
880-28483-18	AH-2 (4.5')	Solid	05/12/23 13:15	05/16/23 11:30
880-28483-19	AH-3 (1')	Solid	05/12/23 13:30	05/16/23 11:30
880-28483-20	AH-3 (1.5')	Solid	05/12/23 13:45	05/16/23 11:30
880-28483-21	AH-3 (2.5')	Solid	05/12/23 14:00	05/16/23 11:30
880-28483-22	AH-3 (3.5')	Solid	05/12/23 14:15	05/16/23 11:30
880-28483-23	AH-3 (4.5')	Solid	05/12/23 14:30	05/16/23 11:30
880-28483-24	AH-4 (1')	Solid	05/12/23 14:45	05/16/23 11:30
880-28483-25	AH-4 (1.5')	Solid	05/12/23 15:00	05/16/23 11:30
880-28483-26	AH-4 (2.5')	Solid	05/12/23 15:15	05/16/23 11:30
880-28483-27	AH-4 (3.5')	Solid	05/12/23 15:30	05/16/23 11:30
880-28483-28	AH-4 (4.5')	Solid	05/12/23 15:45	05/16/23 11:30
880-28483-29	AH-5 (1')	Solid	05/12/23 16:00	05/16/23 11:30
880-28483-30	AH-5 (1.5')	Solid	05/12/23 16:15	05/16/23 11:30
880-28483-31	AH-5 (2.5')	Solid	05/12/23 16:30	05/16/23 11:30
880-28483-32	AH-5 (3.5')	Solid	05/12/23 16:45	05/16/23 11:30
880-28483-33	AH-5 (4.5')	Solid	05/12/23 17:00	05/16/23 11:30

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Analysis Request of Chain of Custody Record

Page 20403 of



Tetra Tech, Inc.

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

Client Name EOG Resources	Site Manager Brittany Long
Project Name Stark 33 Water Release #2	Contact Info brittany_long@tetratech.com
Project Location (state) Eddy County, NM	Project # 212C-MD-03075
Invoice to Todd Wells	
Receiving Laboratory Eurofins Xenco Laboratories	Sampler Signature Ivan Ramos
Comments	

ANALYSIS REQUEST (Circle or Specify Method No.)

TPH TX1005 (EX to C35)	X
TPH 8015M (GRO DFO ORO)	X
PAH 8270C	
Total Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Semi Volatiles	
HCl	
GC/MS Vol 8260B / 624	
GC/MS Semi Vol 8270C/625	
PCBs 8082 / 608	
NORM	
PLM (Asbestos)	X
Chloride Sulfate TDS	X
General Water Chemistry (see attached list)	
Anion/Cation Balance	
Asbestos	
Hold	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX			PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE			
	AH-1 (2 5)	5/12/2023	11 15	X	X	X	X	X	X	1	
	AH-1 (3 5)	5/12/2023	11 30	X	X	X	X	X	X	1	
	AH-1 (4 5)	5/12/2023	11 45	X	X	X	X	X	X	1	
	AH-2 (1')	5/12/2023	12 00	X	X	X	X	X	X	1	
	AH-2 (1 5)	5/12/2023	12 30	X	X	X	X	X	X	1	
	AH-2 (2 5)	5/12/2023	12 45	X	X	X	X	X	X	1	
	AH-2 (3 5)	5/12/2023	13:00	X	X	X	X	X	X	1	
	AH-2 (4 5)	5/12/2023	13 15	X	X	X	X	X	X	1	
	AH-3 (1')	5/12/2023	13 30	X	X	X	X	X	X	1	
	AH-3 (1 5)	5/12/2023	13 45	X	X	X	X	X	X	1	

Relinquished by <i>Ivan Ramos</i>	Date 5-16-23	Time 11:30 AM
Received by <i>Brittany Long</i>	Date 5/16/23	Time 11:30
Relinquished by	Date	Time
Received by	Date	Time

LAB USE ONLY	REMARKS
Sample Temperature	Standard
<input type="checkbox"/> RUSH	Same Day 24 hr 48 hr 72 hr
<input type="checkbox"/> Rush Charges Authorized	
<input type="checkbox"/> Special Report Limits or TRAP Report	

(Circle) HAND DELIVERED FEDEX UPS Tracking #

ORIGINAL COPY



Analysis Request of Chain of Custody Record

Page of



Tetra Tech, Inc.

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

20483

Client Name EOG Resources **Site Manager** Brittany Long

Project Name Stark 33 Water Release #2 **Contact Info** brittany_long@tetratech.com

Project Location (county, state) Eddy County, NM **Project #** 212C-MD-03075

Invoice to Todd Wells

Receiving Laboratory Eurofins Xenco Laboratories **Sampler Signature** Ivan Ramos

Comments

ANALYSIS REQUEST (Circle or Specify Method No.)

TPH TX1005 (Ex to C35)	X
TPH 8015M (GRO DRO ORO)	X
PAH 8270C	X
Total Metals Ag As Ba Cd Cr Pb Se Hg	X
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	X
TCLP Volatiles	X
TCLP Semi Volatiles	X
FCI	X
GC/MS Vol 8260B / 624	X
GC/MS Semi Vol 8270C/625	X
PCBs 8082 / 608	X
NORM	X
PLM (Asbestos)	X
Chloride 300 0	X
Chloride Sulfate TDS	X
General Water Chemistry (see attached list)	X
Antion/Cation Balance	X
Asbestos	X

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION		SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)
	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE				
	AH-3 (2 5')	5/12/2023	14:00	X	X	X	X	X	1		
	AH-3 (3 5')	5/12/2023	14:15	X	X	X	X	X	1		
	AH-3 (4 5')	5/12/2023	14:30	X	X	X	X	X	1		
	AH-4 (1')	5/12/2023	14:45	X	X	X	X	X	1		
	AH-4 (1 5')	5/12/2023	15:00	X	X	X	X	X	1		
	AH-4 (2 5')	5/12/2023	15:15	X	X	X	X	X	1		
	AH-4 (3 5')	5/12/2023	15:30	X	X	X	X	X	1		
	AH-4 (4 5')	5/12/2023	15:45	X	X	X	X	X	1		
	AH-5 (1')	5/12/2023	16:00	X	X	X	X	X	1		
	AH-5 (1 5')	5/12/2023	16:15	X	X	X	X	X	1		

Relinquished by: *Ivan Ramos* Date: 5-16-23 Time: 11:30 AM

Received by: *[Signature]* Date: 5/16/23 Time: 11:30

Relinquished 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



Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-28483-1
SDG Number: Eddy County, NM

Login Number: 28483
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

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Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Brittany Long
 Tetra Tech, Inc.
 901 W Wall
 Ste 100
 Midland, Texas 79701

Generated 5/24/2023 12:40:37 PM

JOB DESCRIPTION

Stark 33 Water Release #2
 SDG NUMBER Eddy County, NM

JOB NUMBER

880-28483-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701



Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
5/24/2023 12:40:37 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

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Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Laboratory Job ID: 880-28483-1
SDG: Eddy County, NM

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Definitions/Glossary

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, 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.
α	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: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Job ID: 880-28483-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-28483-1**

Receipt

The samples were received on 5/16/2023 11:30 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 5.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (1') (880-28483-1), H-2 (1') (880-28483-2), H-3 (1') (880-28483-3), H-4 (1') (880-28483-4), H-5 (1') (880-28483-5), H-6 (1') (880-28483-6), H-7 (1') (880-28483-7), H-8 (1') (880-28483-8), AH-1 (1') (880-28483-9), AH-1 (1.5') (880-28483-10), AH-1 (2.5') (880-28483-11), AH-1 (3.5') (880-28483-12), AH-1 (4.5') (880-28483-13), AH-2 (1') (880-28483-14), AH-2 (1.5') (880-28483-15), AH-2 (2.5') (880-28483-16), AH-2 (3.5') (880-28483-17), AH-2 (4.5') (880-28483-18), AH-3 (1') (880-28483-19), AH-3 (1.5') (880-28483-20), AH-3 (2.5') (880-28483-21), AH-3 (3.5') (880-28483-22), AH-3 (4.5') (880-28483-23), AH-4 (1') (880-28483-24), AH-4 (1.5') (880-28483-25), AH-4 (2.5') (880-28483-26), AH-4 (3.5') (880-28483-27), AH-4 (4.5') (880-28483-28), AH-5 (1') (880-28483-29), AH-5 (1.5') (880-28483-30), AH-5 (2.5') (880-28483-31), AH-5 (3.5') (880-28483-32) and AH-5 (4.5') (880-28483-33).

GC VOA

Method 8021B: The matrix spike (MS) and/or matrix spike duplicate (MSD) recovery for preparation batch 880-53607 and analytical batch 880-53830 was outside control limits for the following analyte(s): Benzene. Results may be biased high because this analyte is a common laboratory solvent and contaminant.

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-2 (1') (880-28483-2), H-3 (1') (880-28483-3), H-4 (1') (880-28483-4), H-5 (1') (880-28483-5), H-6 (1') (880-28483-6), H-7 (1') (880-28483-7), H-8 (1') (880-28483-8), AH-1 (1') (880-28483-9), AH-1 (1.5') (880-28483-10), AH-1 (2.5') (880-28483-11), AH-1 (3.5') (880-28483-12), AH-1 (4.5') (880-28483-13), AH-2 (1') (880-28483-14), (LCS 880-53607/1-A), (LCSD 880-53607/2-A), (880-28483-A-1-G MS) and (880-28483-A-1-H MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-53830 recovered above the upper control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-1 (1') (880-28483-1) and AH-3 (1.5') (880-28483-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-53662 and analytical batch 880-53831 was outside the control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: AH-2 (1.5') (880-28483-15), AH-2 (2.5') (880-28483-16), AH-2 (4.5') (880-28483-18) and AH-3 (1') (880-28483-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-53484 and analytical batch 880-53550 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-1 (1') (880-28483-1), H-2 (1') (880-28483-2), H-3 (1') (880-28483-3), H-4 (1') (880-28483-4), H-5 (1') (880-28483-5), H-6 (1') (880-28483-6), H-7 (1') (880-28483-7), H-8 (1') (880-28483-8), AH-1 (1') (880-28483-9) and AH-1 (1.5') (880-28483-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: AH-1 (2.5') (880-28483-11), AH-1 (3.5')

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Job ID: 880-28483-1 (Continued)

Laboratory: Eurofins Midland (Continued)

(880-28483-12), AH-1 (4.5') (880-28483-13), AH-2 (1') (880-28483-14) and AH-2 (1.5') (880-28483-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: AH-2 (3.5') (880-28483-17), AH-2 (4.5') (880-28483-18), AH-3 (1') (880-28483-19) and AH-3 (1.5') (880-28483-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: AH-5 (4.5') (880-28483-33) and (MB 880-53630/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-53630 and analytical batch 880-53625 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-53658 and analytical batch 880-53627 was outside the upper control 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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-53568 and analytical batch 880-53679 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: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: H-1 (1')

Lab Sample ID: 880-28483-1

Date Collected: 05/12/23 08:45

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1	0.00201		mg/Kg		05/17/23 15:24	05/23/23 01:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 01:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 01:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/17/23 15:24	05/23/23 01:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 01:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/17/23 15:24	05/23/23 01:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130	05/17/23 15:24	05/23/23 01:52	1
1,4-Difluorobenzene (Surr)	83		70 - 130	05/17/23 15:24	05/23/23 01:52	1

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 11:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 11:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 11:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130	05/16/23 12:53	05/17/23 11:06	1
o-Terphenyl	102		70 - 130	05/16/23 12:53	05/17/23 11:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.6		5.02		mg/Kg			05/18/23 20:38	1

Client Sample ID: H-2 (1')

Lab Sample ID: 880-28483-2

Date Collected: 05/12/23 09:00

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/17/23 15:24	05/23/23 02:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/17/23 15:24	05/23/23 02:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/17/23 15:24	05/23/23 02:18	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/17/23 15:24	05/23/23 02:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/17/23 15:24	05/23/23 02:18	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/17/23 15:24	05/23/23 02:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130	05/17/23 15:24	05/23/23 02:18	1
1,4-Difluorobenzene (Surr)	71		70 - 130	05/17/23 15:24	05/23/23 02:18	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: H-2 (1')

Lab Sample ID: 880-28483-2

Date Collected: 05/12/23 09:00

Matrix: Solid

Date Received: 05/16/23 11:30

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 12:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 12:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 12:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130				05/16/23 12:53	05/17/23 12:11	1
o-Terphenyl	105		70 - 130				05/16/23 12:53	05/17/23 12:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.1		5.05		mg/Kg			05/18/23 20:54	1

Client Sample ID: H-3 (1')

Lab Sample ID: 880-28483-3

Date Collected: 05/12/23 09:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/17/23 15:24	05/23/23 02:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/17/23 15:24	05/23/23 02:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/17/23 15:24	05/23/23 02:45	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/17/23 15:24	05/23/23 02:45	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/17/23 15:24	05/23/23 02:45	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/17/23 15:24	05/23/23 02:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	155	S1+	70 - 130				05/17/23 15:24	05/23/23 02:45	1
1,4-Difluorobenzene (Surr)	70		70 - 130				05/17/23 15:24	05/23/23 02:45	1

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 12:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 12:33	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: H-3 (1')

Lab Sample ID: 880-28483-3

Date Collected: 05/12/23 09:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 12:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				05/16/23 12:53	05/17/23 12:33	1
o-Terphenyl	102		70 - 130				05/16/23 12:53	05/17/23 12:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.5		4.98		mg/Kg			05/18/23 21:00	1

Client Sample ID: H-4 (1')

Lab Sample ID: 880-28483-4

Date Collected: 05/12/23 09:30

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 03:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 03:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 03:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/17/23 15:24	05/23/23 03:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 03:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/17/23 15:24	05/23/23 03:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	166	S1+	70 - 130				05/17/23 15:24	05/23/23 03:11	1
1,4-Difluorobenzene (Surr)	81		70 - 130				05/17/23 15:24	05/23/23 03:11	1

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 12:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/16/23 12:53	05/17/23 12:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/16/23 12:53	05/17/23 12:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	153	S1+	70 - 130				05/16/23 12:53	05/17/23 12:55	1
o-Terphenyl	118		70 - 130				05/16/23 12:53	05/17/23 12:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.7		4.96		mg/Kg			05/18/23 21:05	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: H-5 (1')

Lab Sample ID: 880-28483-5

Date Collected: 05/12/23 09:45

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 03:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 03:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 03:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/17/23 15:24	05/23/23 03:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 03:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/17/23 15:24	05/23/23 03:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	169	S1+	70 - 130	05/17/23 15:24	05/23/23 03:38	1
1,4-Difluorobenzene (Surr)	82		70 - 130	05/17/23 15:24	05/23/23 03:38	1

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 13:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 13:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 13:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130	05/16/23 12:53	05/17/23 13:16	1
o-Terphenyl	108		70 - 130	05/16/23 12:53	05/17/23 13:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.8		5.00		mg/Kg			05/18/23 21:11	1

Client Sample ID: H-6 (1')

Lab Sample ID: 880-28483-6

Date Collected: 05/12/23 10:00

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 04:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 04:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 04:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/17/23 15:24	05/23/23 04:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 04:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/17/23 15:24	05/23/23 04:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	165	S1+	70 - 130	05/17/23 15:24	05/23/23 04:04	1
1,4-Difluorobenzene (Surr)	79		70 - 130	05/17/23 15:24	05/23/23 04:04	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Client Sample ID: H-6 (1')

Lab Sample ID: 880-28483-6

Date Collected: 05/12/23 10:00

Matrix: Solid

Date Received: 05/16/23 11:30

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 13:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 13:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 13:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130	05/16/23 12:53	05/17/23 13:38	1
o-Terphenyl	105		70 - 130	05/16/23 12:53	05/17/23 13:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.0		5.03		mg/Kg			05/18/23 21:27	1

Client Sample ID: H-7 (1')

Lab Sample ID: 880-28483-7

Date Collected: 05/12/23 10:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 04:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 04:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 04:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/17/23 15:24	05/23/23 04:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 04:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/17/23 15:24	05/23/23 04:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	162	S1+	70 - 130	05/17/23 15:24	05/23/23 04:31	1
1,4-Difluorobenzene (Surr)	71		70 - 130	05/17/23 15:24	05/23/23 04:31	1

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 14:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 14:00	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: H-7 (1')

Lab Sample ID: 880-28483-7

Date Collected: 05/12/23 10:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 14:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				05/16/23 12:53	05/17/23 14:00	1
o-Terphenyl	101		70 - 130				05/16/23 12:53	05/17/23 14:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.9		5.01		mg/Kg			05/18/23 21:32	1

Client Sample ID: H-8 (1')

Lab Sample ID: 880-28483-8

Date Collected: 05/12/23 10:30

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 04:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 04:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 04:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/17/23 15:24	05/23/23 04:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 04:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/17/23 15:24	05/23/23 04:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130				05/17/23 15:24	05/23/23 04:57	1
1,4-Difluorobenzene (Surr)	77		70 - 130				05/17/23 15:24	05/23/23 04:57	1

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 14:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/16/23 12:53	05/17/23 14:21	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/16/23 12:53	05/17/23 14:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	145	S1+	70 - 130				05/16/23 12:53	05/17/23 14:21	1
o-Terphenyl	108		70 - 130				05/16/23 12:53	05/17/23 14:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.7		4.99		mg/Kg			05/18/23 21:37	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-1 (1')

Lab Sample ID: 880-28483-9

Date Collected: 05/12/23 10:45

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 05:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 05:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 05:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/17/23 15:24	05/23/23 05:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 05:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/17/23 15:24	05/23/23 05:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	175	S1+	70 - 130	05/17/23 15:24	05/23/23 05:24	1
1,4-Difluorobenzene (Surr)	87		70 - 130	05/17/23 15:24	05/23/23 05:24	1

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 14:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 14:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 14:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130	05/16/23 12:53	05/17/23 14:43	1
o-Terphenyl	108		70 - 130	05/16/23 12:53	05/17/23 14:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.2		5.03		mg/Kg			05/18/23 21:43	1

Client Sample ID: AH-1 (1.5')

Lab Sample ID: 880-28483-10

Date Collected: 05/12/23 11:00

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 05:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 05:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 05:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/17/23 15:24	05/23/23 05:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 05:50	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/17/23 15:24	05/23/23 05:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	178	S1+	70 - 130	05/17/23 15:24	05/23/23 05:50	1
1,4-Difluorobenzene (Surr)	84		70 - 130	05/17/23 15:24	05/23/23 05:50	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Client Sample ID: AH-1 (1.5')

Lab Sample ID: 880-28483-10

Date Collected: 05/12/23 11:00

Matrix: Solid

Date Received: 05/16/23 11:30

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 15:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/16/23 12:53	05/17/23 15:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/16/23 12:53	05/17/23 15:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130	05/16/23 12:53	05/17/23 15:04	1
o-Terphenyl	106		70 - 130	05/16/23 12:53	05/17/23 15:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.3		4.98		mg/Kg			05/18/23 21:48	1

Client Sample ID: AH-1 (2.5')

Lab Sample ID: 880-28483-11

Date Collected: 05/12/23 11:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 07:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 07:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 07:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/17/23 15:24	05/23/23 07:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 07:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/17/23 15:24	05/23/23 07:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	179	S1+	70 - 130	05/17/23 15:24	05/23/23 07:38	1
1,4-Difluorobenzene (Surr)	83		70 - 130	05/17/23 15:24	05/23/23 07:38	1

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 15:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 15:48	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-1 (2.5')

Lab Sample ID: 880-28483-11

Date Collected: 05/12/23 11:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 15:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130				05/16/23 12:53	05/17/23 15:48	1
o-Terphenyl	108		70 - 130				05/16/23 12:53	05/17/23 15:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.1		4.96		mg/Kg			05/18/23 21:53	1

Client Sample ID: AH-1 (3.5')

Lab Sample ID: 880-28483-12

Date Collected: 05/12/23 11:30

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 08:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 08:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 08:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/17/23 15:24	05/23/23 08:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 08:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/17/23 15:24	05/23/23 08:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	165	S1+	70 - 130				05/17/23 15:24	05/23/23 08:05	1
1,4-Difluorobenzene (Surr)	83		70 - 130				05/17/23 15:24	05/23/23 08:05	1

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 16:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 16:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 16:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				05/16/23 12:53	05/17/23 16:09	1
o-Terphenyl	105		70 - 130				05/16/23 12:53	05/17/23 16:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.9		5.02		mg/Kg			05/18/23 22:09	1

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-1 (4.5')

Lab Sample ID: 880-28483-13

Date Collected: 05/12/23 11:45

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 08:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 08:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 08:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/17/23 15:24	05/23/23 08:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 08:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/17/23 15:24	05/23/23 08:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	177	S1+	70 - 130	05/17/23 15:24	05/23/23 08:32	1
1,4-Difluorobenzene (Surr)	70		70 - 130	05/17/23 15:24	05/23/23 08:32	1

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 16:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 16:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 16:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130	05/16/23 12:53	05/17/23 16:31	1
o-Terphenyl	106		70 - 130	05/16/23 12:53	05/17/23 16:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.5		5.01		mg/Kg			05/18/23 22:15	1

Client Sample ID: AH-2 (1')

Lab Sample ID: 880-28483-14

Date Collected: 05/12/23 12:00

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 08:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 08:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 08:59	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/17/23 15:24	05/23/23 08:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 08:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/17/23 15:24	05/23/23 08:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	172	S1+	70 - 130	05/17/23 15:24	05/23/23 08:59	1
1,4-Difluorobenzene (Surr)	88		70 - 130	05/17/23 15:24	05/23/23 08:59	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Client Sample ID: AH-2 (1')

Lab Sample ID: 880-28483-14

Date Collected: 05/12/23 12:00

Matrix: Solid

Date Received: 05/16/23 11:30

Method: TAL SOP 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			05/23/23 09:03	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 16:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 16:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 16:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130	05/16/23 12:53	05/17/23 16:53	1
o-Terphenyl	101		70 - 130	05/16/23 12:53	05/17/23 16:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.3		4.97		mg/Kg			05/18/23 22:31	1

Client Sample ID: AH-2 (1.5')

Lab Sample ID: 880-28483-15

Date Collected: 05/12/23 12:30

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 09:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 09:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 09:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/17/23 15:24	05/23/23 09:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/17/23 15:24	05/23/23 09:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/17/23 15:24	05/23/23 09:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	177	S1+	70 - 130	05/17/23 15:24	05/23/23 09:25	1
1,4-Difluorobenzene (Surr)	81		70 - 130	05/17/23 15:24	05/23/23 09:25	1

Method: TAL SOP 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			05/23/23 10:30	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 17:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 17:14	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-2 (1.5')

Lab Sample ID: 880-28483-15

Date Collected: 05/12/23 12:30

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 17:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				05/16/23 12:53	05/17/23 17:14	1
o-Terphenyl	99		70 - 130				05/16/23 12:53	05/17/23 17:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.3		5.03		mg/Kg			05/18/23 22:37	1

Client Sample ID: AH-2 (2.5')

Lab Sample ID: 880-28483-16

Date Collected: 05/12/23 12:45

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 09:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 09:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 09:52	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/17/23 15:24	05/23/23 09:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 09:52	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/17/23 15:24	05/23/23 09:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	181	S1+	70 - 130				05/17/23 15:24	05/23/23 09:52	1
1,4-Difluorobenzene (Surr)	74		70 - 130				05/17/23 15:24	05/23/23 09:52	1

Method: TAL SOP 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			05/23/23 10:30	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 17:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/16/23 12:53	05/17/23 17:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/16/23 12:53	05/17/23 17:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				05/16/23 12:53	05/17/23 17:37	1
o-Terphenyl	97		70 - 130				05/16/23 12:53	05/17/23 17:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.6		4.98		mg/Kg			05/18/23 22:42	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-2 (3.5')

Lab Sample ID: 880-28483-17

Date Collected: 05/12/23 13:00

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/17/23 15:24	05/23/23 10:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/17/23 15:24	05/23/23 10:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/17/23 15:24	05/23/23 10:18	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/17/23 15:24	05/23/23 10:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/17/23 15:24	05/23/23 10:18	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/17/23 15:24	05/23/23 10:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	05/17/23 15:24	05/23/23 10:18	1
1,4-Difluorobenzene (Surr)	73		70 - 130	05/17/23 15:24	05/23/23 10:18	1

Method: TAL SOP 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			05/23/23 10:30	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 17:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 17:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 17:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130	05/16/23 12:53	05/17/23 17:58	1
o-Terphenyl	102		70 - 130	05/16/23 12:53	05/17/23 17:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.6		4.95		mg/Kg			05/18/23 22:47	1

Client Sample ID: AH-2 (4.5')

Lab Sample ID: 880-28483-18

Date Collected: 05/12/23 13:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 10:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 10:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 10:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/17/23 15:24	05/23/23 10:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 10:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/17/23 15:24	05/23/23 10:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	193	S1+	70 - 130	05/17/23 15:24	05/23/23 10:44	1
1,4-Difluorobenzene (Surr)	80		70 - 130	05/17/23 15:24	05/23/23 10:44	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Client Sample ID: AH-2 (4.5')

Lab Sample ID: 880-28483-18

Date Collected: 05/12/23 13:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: TAL SOP 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			05/23/23 10:30	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 18:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 18:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/16/23 12:53	05/17/23 18:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	268	S1+	70 - 130	05/16/23 12:53	05/17/23 18:20	1
o-Terphenyl	202	S1+	70 - 130	05/16/23 12:53	05/17/23 18:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.9		4.95		mg/Kg			05/18/23 22:53	1

Client Sample ID: AH-3 (1')

Lab Sample ID: 880-28483-19

Date Collected: 05/12/23 13:30

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 11:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 11:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 11:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/17/23 15:24	05/23/23 11:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/17/23 15:24	05/23/23 11:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/17/23 15:24	05/23/23 11:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	185	S1+	70 - 130	05/17/23 15:24	05/23/23 11:10	1
1,4-Difluorobenzene (Surr)	79		70 - 130	05/17/23 15:24	05/23/23 11:10	1

Method: TAL SOP 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			05/23/23 10:30	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 18:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 18:42	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Client Sample ID: AH-3 (1')

Lab Sample ID: 880-28483-19

Date Collected: 05/12/23 13:30

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 18:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				05/16/23 12:53	05/17/23 18:42	1
o-Terphenyl	102		70 - 130				05/16/23 12:53	05/17/23 18:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.8		4.97		mg/Kg			05/18/23 22:58	1

Client Sample ID: AH-3 (1.5')

Lab Sample ID: 880-28483-20

Date Collected: 05/12/23 13:45

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 11:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 11:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 11:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/17/23 15:24	05/23/23 11:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 11:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/17/23 15:24	05/23/23 11:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	164	S1+	70 - 130				05/17/23 15:24	05/23/23 11:36	1
1,4-Difluorobenzene (Surr)	71		70 - 130				05/17/23 15:24	05/23/23 11:36	1

Method: TAL SOP 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			05/24/23 11:23	1

Method: SW846 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			05/18/23 12:34	1

Method: SW846 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		05/16/23 12:53	05/17/23 19:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 19:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 19:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				05/16/23 12:53	05/17/23 19:03	1
o-Terphenyl	101		70 - 130				05/16/23 12:53	05/17/23 19:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.5		5.04		mg/Kg			05/18/23 23:03	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-3 (2.5')

Lab Sample ID: 880-28483-21

Date Collected: 05/12/23 14:00

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/18/23 11:50	05/22/23 22:25	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/18/23 11:50	05/22/23 22:25	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/18/23 11:50	05/22/23 22:25	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/18/23 11:50	05/22/23 22:25	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/18/23 11:50	05/22/23 22:25	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/18/23 11:50	05/22/23 22:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	05/18/23 11:50	05/22/23 22:25	1
1,4-Difluorobenzene (Surr)	96		70 - 130	05/18/23 11:50	05/22/23 22:25	1

Method: TAL SOP 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			05/23/23 09:08	1

Method: SW846 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			05/19/23 10:39	1

Method: SW846 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		05/18/23 10:51	05/18/23 11:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/18/23 10:51	05/18/23 11:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/18/23 10:51	05/18/23 11:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	05/18/23 10:51	05/18/23 11:44	1
o-Terphenyl	124		70 - 130	05/18/23 10:51	05/18/23 11:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.7	F1	4.97		mg/Kg			05/19/23 15:24	1

Client Sample ID: AH-3 (3.5')

Lab Sample ID: 880-28483-22

Date Collected: 05/12/23 14:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/22/23 22:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/22/23 22:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/22/23 22:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/18/23 11:50	05/22/23 22:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/22/23 22:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/18/23 11:50	05/22/23 22:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	05/18/23 11:50	05/22/23 22:46	1
1,4-Difluorobenzene (Surr)	85		70 - 130	05/18/23 11:50	05/22/23 22:46	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Client Sample ID: AH-3 (3.5')

Lab Sample ID: 880-28483-22

Date Collected: 05/12/23 14:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: TAL SOP 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			05/23/23 09:08	1

Method: SW846 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			05/19/23 10:39	1

Method: SW846 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		05/18/23 10:51	05/18/23 12:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/18/23 10:51	05/18/23 12:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/18/23 10:51	05/18/23 12:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	05/18/23 10:51	05/18/23 12:50	1
o-Terphenyl	119		70 - 130	05/18/23 10:51	05/18/23 12:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	156		5.00		mg/Kg			05/19/23 15:40	1

Client Sample ID: AH-3 (4.5')

Lab Sample ID: 880-28483-23

Date Collected: 05/12/23 14:30

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/18/23 11:50	05/22/23 23:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/18/23 11:50	05/22/23 23:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/18/23 11:50	05/22/23 23:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/18/23 11:50	05/22/23 23:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/18/23 11:50	05/22/23 23:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/18/23 11:50	05/22/23 23:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	05/18/23 11:50	05/22/23 23:07	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/18/23 11:50	05/22/23 23:07	1

Method: TAL SOP 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			05/23/23 09:08	1

Method: SW846 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			05/19/23 10:39	1

Method: SW846 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		05/18/23 10:51	05/18/23 13:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/18/23 10:51	05/18/23 13:11	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-3 (4.5')

Lab Sample ID: 880-28483-23

Date Collected: 05/12/23 14:30

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/18/23 10:51	05/18/23 13:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				05/18/23 10:51	05/18/23 13:11	1
o-Terphenyl	111		70 - 130				05/18/23 10:51	05/18/23 13:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	163		4.99		mg/Kg			05/19/23 15:45	1

Client Sample ID: AH-4 (1')

Lab Sample ID: 880-28483-24

Date Collected: 05/12/23 14:45

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/18/23 11:50	05/22/23 23:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/18/23 11:50	05/22/23 23:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/18/23 11:50	05/22/23 23:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/18/23 11:50	05/22/23 23:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/18/23 11:50	05/22/23 23:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/18/23 11:50	05/22/23 23:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				05/18/23 11:50	05/22/23 23:27	1
1,4-Difluorobenzene (Surr)	99		70 - 130				05/18/23 11:50	05/22/23 23:27	1

Method: TAL SOP 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			05/23/23 09:08	1

Method: SW846 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			05/18/23 15:39	1

Method: SW846 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		05/18/23 08:49	05/18/23 12:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/18/23 08:49	05/18/23 12:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/18/23 08:49	05/18/23 12:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				05/18/23 08:49	05/18/23 12:50	1
o-Terphenyl	85		70 - 130				05/18/23 08:49	05/18/23 12:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.4		4.97		mg/Kg			05/19/23 15:51	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-4 (1.5')

Lab Sample ID: 880-28483-25

Date Collected: 05/12/23 15:00

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/18/23 11:50	05/22/23 23:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/18/23 11:50	05/22/23 23:48	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/18/23 11:50	05/22/23 23:48	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/18/23 11:50	05/22/23 23:48	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/18/23 11:50	05/22/23 23:48	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/18/23 11:50	05/22/23 23:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	05/18/23 11:50	05/22/23 23:48	1
1,4-Difluorobenzene (Surr)	83		70 - 130	05/18/23 11:50	05/22/23 23:48	1

Method: TAL SOP 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			05/23/23 09:08	1

Method: SW846 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			05/18/23 15:39	1

Method: SW846 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		05/18/23 08:49	05/18/23 15:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/18/23 08:49	05/18/23 15:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/18/23 08:49	05/18/23 15:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	05/18/23 08:49	05/18/23 15:00	1
o-Terphenyl	90		70 - 130	05/18/23 08:49	05/18/23 15:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.5		5.01		mg/Kg			05/19/23 15:56	1

Client Sample ID: AH-4 (2.5')

Lab Sample ID: 880-28483-26

Date Collected: 05/12/23 15:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 00:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 00:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 00:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/18/23 11:50	05/23/23 00:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 00:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/18/23 11:50	05/23/23 00:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	05/18/23 11:50	05/23/23 00:08	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/18/23 11:50	05/23/23 00:08	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Client Sample ID: AH-4 (2.5')

Lab Sample ID: 880-28483-26

Date Collected: 05/12/23 15:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: TAL SOP 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			05/23/23 09:08	1

Method: SW846 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			05/19/23 10:11	1

Method: SW846 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		05/18/23 08:49	05/18/23 15:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/18/23 08:49	05/18/23 15:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/18/23 08:49	05/18/23 15:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130	05/18/23 08:49	05/18/23 15:22	1
o-Terphenyl	93		70 - 130	05/18/23 08:49	05/18/23 15:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.3		5.05		mg/Kg			05/19/23 16:12	1

Client Sample ID: AH-4 (3.5')

Lab Sample ID: 880-28483-27

Date Collected: 05/12/23 15:30

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 00:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 00:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 00:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/18/23 11:50	05/23/23 00:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 00:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/18/23 11:50	05/23/23 00:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	05/18/23 11:50	05/23/23 00:29	1
1,4-Difluorobenzene (Surr)	93		70 - 130	05/18/23 11:50	05/23/23 00:29	1

Method: TAL SOP 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			05/23/23 09:08	1

Method: SW846 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			05/19/23 10:11	1

Method: SW846 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		05/18/23 08:49	05/18/23 15:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/18/23 08:49	05/18/23 15:43	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-4 (3.5')

Lab Sample ID: 880-28483-27

Date Collected: 05/12/23 15:30

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/18/23 08:49	05/18/23 15:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				05/18/23 08:49	05/18/23 15:43	1
o-Terphenyl	93		70 - 130				05/18/23 08:49	05/18/23 15:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.0		4.99		mg/Kg			05/19/23 16:17	1

Client Sample ID: AH-4 (4.5')

Lab Sample ID: 880-28483-28

Date Collected: 05/12/23 15:45

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/18/23 11:50	05/23/23 00:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/18/23 11:50	05/23/23 00:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/18/23 11:50	05/23/23 00:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/18/23 11:50	05/23/23 00:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/18/23 11:50	05/23/23 00:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/18/23 11:50	05/23/23 00:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				05/18/23 11:50	05/23/23 00:49	1
1,4-Difluorobenzene (Surr)	87		70 - 130				05/18/23 11:50	05/23/23 00:49	1

Method: TAL SOP 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			05/23/23 09:08	1

Method: SW846 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			05/19/23 10:11	1

Method: SW846 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		05/18/23 08:49	05/18/23 16:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/18/23 08:49	05/18/23 16:28	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/18/23 08:49	05/18/23 16:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				05/18/23 08:49	05/18/23 16:28	1
o-Terphenyl	93		70 - 130				05/18/23 08:49	05/18/23 16:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.9		4.95		mg/Kg			05/19/23 16:23	1

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-5 (1')

Lab Sample ID: 880-28483-29

Date Collected: 05/12/23 16:00

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 01:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 01:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 01:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/18/23 11:50	05/23/23 01:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 01:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/18/23 11:50	05/23/23 01:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	05/18/23 11:50	05/23/23 01:10	1
1,4-Difluorobenzene (Surr)	81		70 - 130	05/18/23 11:50	05/23/23 01:10	1

Method: TAL SOP 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			05/23/23 09:08	1

Method: SW846 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			05/19/23 10:11	1

Method: SW846 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		05/18/23 08:49	05/18/23 16:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/18/23 08:49	05/18/23 16:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/18/23 08:49	05/18/23 16:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	05/18/23 08:49	05/18/23 16:50	1
o-Terphenyl	89		70 - 130	05/18/23 08:49	05/18/23 16:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.0		5.05		mg/Kg			05/19/23 16:28	1

Client Sample ID: AH-5 (1.5')

Lab Sample ID: 880-28483-30

Date Collected: 05/12/23 16:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 01:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 01:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 01:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/18/23 11:50	05/23/23 01:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/18/23 11:50	05/23/23 01:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/18/23 11:50	05/23/23 01:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	05/18/23 11:50	05/23/23 01:30	1
1,4-Difluorobenzene (Surr)	76		70 - 130	05/18/23 11:50	05/23/23 01:30	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Client Sample ID: AH-5 (1.5')

Lab Sample ID: 880-28483-30

Date Collected: 05/12/23 16:15

Matrix: Solid

Date Received: 05/16/23 11:30

Method: TAL SOP 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			05/23/23 09:08	1

Method: SW846 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			05/19/23 10:11	1

Method: SW846 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		05/18/23 08:49	05/18/23 17:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/18/23 08:49	05/18/23 17:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/18/23 08:49	05/18/23 17:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	05/18/23 08:49	05/18/23 17:12	1
o-Terphenyl	93		70 - 130	05/18/23 08:49	05/18/23 17:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.7		4.98		mg/Kg			05/19/23 16:33	1

Client Sample ID: AH-5 (2.5')

Lab Sample ID: 880-28483-31

Date Collected: 05/12/23 16:30

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/23/23 09:51	05/23/23 19:56	1
Toluene	0.00256		0.00199		mg/Kg		05/23/23 09:51	05/23/23 19:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/23 09:51	05/23/23 19:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/23 09:51	05/23/23 19:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/23 09:51	05/23/23 19:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/23 09:51	05/23/23 19:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	05/23/23 09:51	05/23/23 19:56	1
1,4-Difluorobenzene (Surr)	102		70 - 130	05/23/23 09:51	05/23/23 19:56	1

Method: TAL SOP 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			05/24/23 11:22	1

Method: SW846 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			05/19/23 10:11	1

Method: SW846 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		05/18/23 08:49	05/18/23 17:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/18/23 08:49	05/18/23 17:34	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-5 (2.5')

Lab Sample ID: 880-28483-31

Date Collected: 05/12/23 16:30

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/18/23 08:49	05/18/23 17:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				05/18/23 08:49	05/18/23 17:34	1
o-Terphenyl	90		70 - 130				05/18/23 08:49	05/18/23 17:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.1		5.03		mg/Kg			05/19/23 16:39	1

Client Sample ID: AH-5 (3.5')

Lab Sample ID: 880-28483-32

Date Collected: 05/12/23 16:45

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/23/23 09:51	05/23/23 20:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/23 09:51	05/23/23 20:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/23 09:51	05/23/23 20:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/23 09:51	05/23/23 20:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/23 09:51	05/23/23 20:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/23 09:51	05/23/23 20:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				05/23/23 09:51	05/23/23 20:17	1
1,4-Difluorobenzene (Surr)	99		70 - 130				05/23/23 09:51	05/23/23 20:17	1

Method: TAL SOP 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			05/24/23 11:22	1

Method: SW846 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			05/19/23 10:11	1

Method: SW846 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		05/18/23 08:49	05/18/23 17:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/18/23 08:49	05/18/23 17:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/18/23 08:49	05/18/23 17:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				05/18/23 08:49	05/18/23 17:56	1
o-Terphenyl	91		70 - 130				05/18/23 08:49	05/18/23 17:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.0		5.00		mg/Kg			05/19/23 16:55	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-5 (4.5')

Lab Sample ID: 880-28483-33

Date Collected: 05/12/23 17:00

Matrix: Solid

Date Received: 05/16/23 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/23/23 09:51	05/23/23 20:37	1
Toluene	0.0127		0.00199		mg/Kg		05/23/23 09:51	05/23/23 20:37	1
Ethylbenzene	0.00218		0.00199		mg/Kg		05/23/23 09:51	05/23/23 20:37	1
m-Xylene & p-Xylene	0.00584		0.00398		mg/Kg		05/23/23 09:51	05/23/23 20:37	1
o-Xylene	0.00231		0.00199		mg/Kg		05/23/23 09:51	05/23/23 20:37	1
Xylenes, Total	0.00815		0.00398		mg/Kg		05/23/23 09:51	05/23/23 20:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	05/23/23 09:51	05/23/23 20:37	1
1,4-Difluorobenzene (Surr)	104		70 - 130	05/23/23 09:51	05/23/23 20:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0230		0.00398		mg/Kg			05/24/23 11:22	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	108		50.0		mg/Kg			05/18/23 15:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	50.0		mg/Kg		05/18/23 08:49	05/18/23 11:44	1
Diesel Range Organics (Over C10-C28)	108		50.0		mg/Kg		05/18/23 08:49	05/18/23 11:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/18/23 08:49	05/18/23 11:44	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	133	S1+	70 - 130	05/18/23 08:49	05/18/23 11:44	1			
o-Terphenyl	100		70 - 130	05/18/23 08:49	05/18/23 11:44	1			

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.5		4.97		mg/Kg			05/19/23 17:00	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-28483-1	H-1 (1')	148 S1+	83
880-28483-1 MS	H-1 (1')	147 S1+	109
880-28483-1 MSD	H-1 (1')	155 S1+	95
880-28483-2	H-2 (1')	149 S1+	71
880-28483-3	H-3 (1')	155 S1+	70
880-28483-4	H-4 (1')	166 S1+	81
880-28483-5	H-5 (1')	169 S1+	82
880-28483-6	H-6 (1')	165 S1+	79
880-28483-7	H-7 (1')	162 S1+	71
880-28483-8	H-8 (1')	154 S1+	77
880-28483-9	AH-1 (1')	175 S1+	87
880-28483-10	AH-1 (1.5')	178 S1+	84
880-28483-11	AH-1 (2.5')	179 S1+	83
880-28483-12	AH-1 (3.5')	165 S1+	83
880-28483-13	AH-1 (4.5')	177 S1+	70
880-28483-14	AH-2 (1')	172 S1+	88
880-28483-15	AH-2 (1.5')	177 S1+	81
880-28483-16	AH-2 (2.5')	181 S1+	74
880-28483-17	AH-2 (3.5')	111	73
880-28483-18	AH-2 (4.5')	193 S1+	80
880-28483-19	AH-3 (1')	185 S1+	79
880-28483-20	AH-3 (1.5')	164 S1+	71
880-28483-21	AH-3 (2.5')	90	96
880-28483-21 MS	AH-3 (2.5')	114	104
880-28483-21 MSD	AH-3 (2.5')	108	108
880-28483-22	AH-3 (3.5')	90	85
880-28483-23	AH-3 (4.5')	87	91
880-28483-24	AH-4 (1')	98	99
880-28483-25	AH-4 (1.5')	111	83
880-28483-26	AH-4 (2.5')	88	91
880-28483-27	AH-4 (3.5')	82	93
880-28483-28	AH-4 (4.5')	91	87
880-28483-29	AH-5 (1')	114	81
880-28483-30	AH-5 (1.5')	112	76
880-28483-31	AH-5 (2.5')	99	102
880-28483-32	AH-5 (3.5')	99	99
880-28483-33	AH-5 (4.5')	81	104
890-4690-A-1-C MS	Matrix Spike	93	95
890-4690-A-1-D MSD	Matrix Spike Duplicate	91	105
LCS 880-53607/1-A	Lab Control Sample	134 S1+	87
LCS 880-53662/1-A	Lab Control Sample	109	103
LCS 880-53960/1-A	Lab Control Sample	83	123
LCSD 880-53607/2-A	Lab Control Sample Dup	154 S1+	94
LCSD 880-53662/2-A	Lab Control Sample Dup	118	108
LCSD 880-53960/2-A	Lab Control Sample Dup	97	112
MB 880-53607/5-A	Method Blank	94	79
MB 880-53609/5-A	Method Blank	85	82
MB 880-53662/5-A	Method Blank	69 S1-	82
MB 880-53833/5-A	Method Blank	71	84

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Surrogate Summary

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
MB 880-53960/5-A	Method Blank	85	100
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-28483-1	H-1 (1')	137 S1+	102
880-28483-1 MS	H-1 (1')	128	84
880-28483-1 MSD	H-1 (1')	126	81
880-28483-2	H-2 (1')	141 S1+	105
880-28483-3	H-3 (1')	138 S1+	102
880-28483-4	H-4 (1')	153 S1+	118
880-28483-5	H-5 (1')	143 S1+	108
880-28483-6	H-6 (1')	141 S1+	105
880-28483-7	H-7 (1')	136 S1+	101
880-28483-8	H-8 (1')	145 S1+	108
880-28483-9	AH-1 (1')	143 S1+	108
880-28483-10	AH-1 (1.5')	140 S1+	106
880-28483-11	AH-1 (2.5')	143 S1+	108
880-28483-12	AH-1 (3.5')	140 S1+	105
880-28483-13	AH-1 (4.5')	139 S1+	106
880-28483-14	AH-2 (1')	135 S1+	101
880-28483-15	AH-2 (1.5')	131 S1+	99
880-28483-16	AH-2 (2.5')	128	97
880-28483-17	AH-2 (3.5')	135 S1+	102
880-28483-18	AH-2 (4.5')	268 S1+	202 S1+
880-28483-19	AH-3 (1')	134 S1+	102
880-28483-20	AH-3 (1.5')	132 S1+	101
880-28483-21	AH-3 (2.5')	116	124
880-28483-21 MS	AH-3 (2.5')	116	113
880-28483-21 MSD	AH-3 (2.5')	108	98
880-28483-22	AH-3 (3.5')	113	119
880-28483-23	AH-3 (4.5')	109	111
880-28483-24	AH-4 (1')	117	85
880-28483-25	AH-4 (1.5')	121	90
880-28483-26	AH-4 (2.5')	125	93
880-28483-27	AH-4 (3.5')	125	93
880-28483-28	AH-4 (4.5')	124	93
880-28483-29	AH-5 (1')	122	89
880-28483-30	AH-5 (1.5')	124	93
880-28483-31	AH-5 (2.5')	121	90
880-28483-32	AH-5 (3.5')	123	91
880-28483-33	AH-5 (4.5')	133 S1+	100
880-28483-33 MS	AH-5 (4.5')	124	85
880-28483-33 MSD	AH-5 (4.5')	127	86

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Surrogate Summary

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
LCS 880-53484/2-A	Lab Control Sample	114	90
LCS 880-53630/2-A	Lab Control Sample	100	77
LCS 880-53658/2-A	Lab Control Sample	95	93
LCSD 880-53484/3-A	Lab Control Sample Dup	119	91
LCSD 880-53630/3-A	Lab Control Sample Dup	100	76
LCSD 880-53658/3-A	Lab Control Sample Dup	109	109
MB 880-53484/1-A	Method Blank	188 S1+	152 S1+
MB 880-53630/1-A	Method Blank	214 S1+	171 S1+
MB 880-53658/1-A	Method Blank	195 S1+	206 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-53607/5-A
Matrix: Solid
Analysis Batch: 53830

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 53607

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 01:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 01:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 01:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/17/23 15:24	05/23/23 01:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:24	05/23/23 01:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/17/23 15:24	05/23/23 01:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	05/17/23 15:24	05/23/23 01:25	1
1,4-Difluorobenzene (Surr)	79		70 - 130	05/17/23 15:24	05/23/23 01:25	1

Lab Sample ID: LCS 880-53607/1-A
Matrix: Solid
Analysis Batch: 53830

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 53607

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1041		mg/Kg		104	70 - 130
Toluene	0.100	0.09669		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.09402		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1976		mg/Kg		99	70 - 130
o-Xylene	0.100	0.09913		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: LCSD 880-53607/2-A
Matrix: Solid
Analysis Batch: 53830

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 53607

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1188		mg/Kg		119	70 - 130	13	35
Toluene	0.100	0.1053		mg/Kg		105	70 - 130	8	35
Ethylbenzene	0.100	0.1047		mg/Kg		105	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.2212		mg/Kg		111	70 - 130	11	35
o-Xylene	0.100	0.1110		mg/Kg		111	70 - 130	11	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-28483-1 MS
Matrix: Solid
Analysis Batch: 53830

Client Sample ID: H-1 (1')
Prep Type: Total/NA
Prep Batch: 53607

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.100	0.1363	F1	mg/Kg		136	70 - 130
Toluene	<0.00201	U	0.100	0.1217		mg/Kg		121	70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

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

Lab Sample ID: 880-28483-1 MS
Matrix: Solid
Analysis Batch: 53830

Client Sample ID: H-1 (1')
Prep Type: Total/NA
Prep Batch: 53607

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.1176		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2448		mg/Kg		122	70 - 130
o-Xylene	<0.00201	U	0.100	0.1190		mg/Kg		119	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-28483-1 MSD
Matrix: Solid
Analysis Batch: 53830

Client Sample ID: H-1 (1')
Prep Type: Total/NA
Prep Batch: 53607

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.0990	0.1360	F1	mg/Kg		137	70 - 130	0	35
Toluene	<0.00201	U	0.0990	0.1179		mg/Kg		119	70 - 130	3	35
Ethylbenzene	<0.00201	U	0.0990	0.1174		mg/Kg		119	70 - 130	0	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.2425		mg/Kg		122	70 - 130	1	35
o-Xylene	<0.00201	U	0.0990	0.1173		mg/Kg		119	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	155	S1+	70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: MB 880-53609/5-A
Matrix: Solid
Analysis Batch: 53830

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 53609

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:42	05/22/23 11:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:42	05/22/23 11:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:42	05/22/23 11:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/17/23 15:42	05/22/23 11:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:42	05/22/23 11:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/17/23 15:42	05/22/23 11:52	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	05/17/23 15:42	05/22/23 11:52	1
1,4-Difluorobenzene (Surr)	82		70 - 130	05/17/23 15:42	05/22/23 11:52	1

Lab Sample ID: MB 880-53662/5-A
Matrix: Solid
Analysis Batch: 53831

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 53662

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/18/23 11:50	05/22/23 22:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/18/23 11:50	05/22/23 22:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/18/23 11:50	05/22/23 22:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/18/23 11:50	05/22/23 22:04	1

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

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

Lab Sample ID: MB 880-53662/5-A
Matrix: Solid
Analysis Batch: 53831

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 53662

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/18/23 11:50	05/22/23 22:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/18/23 11:50	05/22/23 22:04	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130	05/18/23 11:50	05/22/23 22:04	1
1,4-Difluorobenzene (Surr)	82		70 - 130	05/18/23 11:50	05/22/23 22:04	1

Lab Sample ID: LCS 880-53662/1-A
Matrix: Solid
Analysis Batch: 53831

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 53662

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.1238		mg/Kg		124	70 - 130
Toluene	0.100	0.1064		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1067		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.2248		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1163		mg/Kg		116	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-53662/2-A
Matrix: Solid
Analysis Batch: 53831

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 53662

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
		Result	Qualifier						
Benzene	0.100	0.1194		mg/Kg		119	70 - 130	4	35
Toluene	0.100	0.1035		mg/Kg		104	70 - 130	3	35
Ethylbenzene	0.100	0.1093		mg/Kg		109	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2321		mg/Kg		116	70 - 130	3	35
o-Xylene	0.100	0.1182		mg/Kg		118	70 - 130	2	35

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-28483-21 MS
Matrix: Solid
Analysis Batch: 53831

Client Sample ID: AH-3 (2.5')
Prep Type: Total/NA
Prep Batch: 53662

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	<0.00198	U	0.0998	0.1146		mg/Kg		115	70 - 130
Toluene	<0.00198	U	0.0998	0.09684		mg/Kg		97	70 - 130
Ethylbenzene	<0.00198	U	0.0998	0.09819		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.200	0.2035		mg/Kg		102	70 - 130
o-Xylene	<0.00198	U	0.0998	0.1027		mg/Kg		103	70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

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

Lab Sample ID: 880-28483-21 MS
Matrix: Solid
Analysis Batch: 53831

Client Sample ID: AH-3 (2.5')
Prep Type: Total/NA
Prep Batch: 53662

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-28483-21 MSD
Matrix: Solid
Analysis Batch: 53831

Client Sample ID: AH-3 (2.5')
Prep Type: Total/NA
Prep Batch: 53662

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Benzene	<0.00198	U	0.100	0.1206		mg/Kg		120	70 - 130	5	35	
Toluene	<0.00198	U	0.100	0.09943		mg/Kg		99	70 - 130	3	35	
Ethylbenzene	<0.00198	U	0.100	0.09744		mg/Kg		97	70 - 130	1	35	
m-Xylene & p-Xylene	<0.00396	U	0.200	0.2031		mg/Kg		101	70 - 130	0	35	
o-Xylene	<0.00198	U	0.100	0.1023		mg/Kg		102	70 - 130	0	35	

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

Lab Sample ID: MB 880-53833/5-A
Matrix: Solid
Analysis Batch: 53831

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 53833

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		05/22/23 08:42	05/22/23 11:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/22/23 08:42	05/22/23 11:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/22/23 08:42	05/22/23 11:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/22/23 08:42	05/22/23 11:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/22/23 08:42	05/22/23 11:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/22/23 08:42	05/22/23 11:27	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	71		70 - 130	05/22/23 08:42	05/22/23 11:27	1
1,4-Difluorobenzene (Surr)	84		70 - 130	05/22/23 08:42	05/22/23 11:27	1

Lab Sample ID: MB 880-53960/5-A
Matrix: Solid
Analysis Batch: 53967

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 53960

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/23 09:51	05/23/23 13:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/23 09:51	05/23/23 13:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/23 09:51	05/23/23 13:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/23/23 09:51	05/23/23 13:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/23 09:51	05/23/23 13:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/23/23 09:51	05/23/23 13:32	1

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

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

Lab Sample ID: MB 880-53960/5-A
Matrix: Solid
Analysis Batch: 53967

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 53960

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	85		70 - 130	05/23/23 09:51	05/23/23 13:32	1
1,4-Difluorobenzene (Surr)	100		70 - 130	05/23/23 09:51	05/23/23 13:32	1

Lab Sample ID: LCS 880-53960/1-A
Matrix: Solid
Analysis Batch: 53967

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 53960

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.1231		mg/Kg		123	70 - 130
Toluene	0.100	0.09465		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.09213		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	0.200	0.1784		mg/Kg		89	70 - 130
o-Xylene	0.100	0.07972		mg/Kg		80	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	83		70 - 130
1,4-Difluorobenzene (Surr)	123		70 - 130

Lab Sample ID: LCSD 880-53960/2-A
Matrix: Solid
Analysis Batch: 53967

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 53960

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Benzene	0.100	0.1212		mg/Kg		121	70 - 130	1	35
Toluene	0.100	0.1039		mg/Kg		104	70 - 130	9	35
Ethylbenzene	0.100	0.1028		mg/Kg		103	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.2107		mg/Kg		105	70 - 130	17	35
o-Xylene	0.100	0.09677		mg/Kg		97	70 - 130	19	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 890-4690-A-1-C MS
Matrix: Solid
Analysis Batch: 53967

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 53960

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Benzene	<0.00200	U	0.101	0.1221		mg/Kg		121	70 - 130
Toluene	<0.00200	U	0.101	0.1138		mg/Kg		113	70 - 130
Ethylbenzene	<0.00200	U	0.101	0.1113		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.202	0.2251		mg/Kg		112	70 - 130
o-Xylene	<0.00200	U	0.101	0.1004		mg/Kg		100	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

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

Lab Sample ID: 890-4690-A-1-D MSD
 Matrix: Solid
 Analysis Batch: 53967

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 53960

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Benzene	<0.00200	U	0.0990	0.1258		mg/Kg		127	70 - 130	3	35
Toluene	<0.00200	U	0.0990	0.1112		mg/Kg		112	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.0990	0.1032		mg/Kg		104	70 - 130	8	35
m-Xylene & p-Xylene	<0.00399	U	0.198	0.2053		mg/Kg		104	70 - 130	9	35
o-Xylene	<0.00200	U	0.0990	0.09190		mg/Kg		93	70 - 130	9	35
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	91		70 - 130								
1,4-Difluorobenzene (Surr)	105		70 - 130								

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

Lab Sample ID: MB 880-53484/1-A
 Matrix: Solid
 Analysis Batch: 53550

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 53484

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 08:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 08:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/16/23 12:53	05/17/23 08:32	1
MB MB									
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	188	S1+	70 - 130			05/16/23 12:53	05/17/23 08:32	1	
o-Terphenyl	152	S1+	70 - 130			05/16/23 12:53	05/17/23 08:32	1	

Lab Sample ID: LCS 880-53484/2-A
 Matrix: Solid
 Analysis Batch: 53550

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 53484

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	RPD	Limit
							Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	978.3		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1040		mg/Kg		104	70 - 130		
LCS LCS									
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	114		70 - 130						
o-Terphenyl	90		70 - 130						

Lab Sample ID: LCSD 880-53484/3-A
 Matrix: Solid
 Analysis Batch: 53550

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 53484

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec	RPD	Limit
							Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	943.4		mg/Kg		94	70 - 130	4	20

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-53484/3-A
Matrix: Solid
Analysis Batch: 53550

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 53484

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)	1000	1018		mg/Kg		102	70 - 130	2	20
Surrogate		LCSD %Recovery	LCSD Qualifier						Limits
1-Chlorooctane		119							70 - 130
o-Terphenyl		91							70 - 130

Lab Sample ID: 880-28483-1 MS
Matrix: Solid
Analysis Batch: 53550

Client Sample ID: H-1 (1')
Prep Type: Total/NA
Prep Batch: 53484

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	1000	1241		mg/Kg		120	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1091		mg/Kg		109	70 - 130
Surrogate		MS %Recovery		MS Qualifier					Limits
1-Chlorooctane		128							70 - 130
o-Terphenyl		84							70 - 130

Lab Sample ID: 880-28483-1 MSD
Matrix: Solid
Analysis Batch: 53550

Client Sample ID: H-1 (1')
Prep Type: Total/NA
Prep Batch: 53484

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	1130		mg/Kg		109	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1073		mg/Kg		108	70 - 130	2	20
Surrogate		MSD %Recovery		MSD Qualifier							Limits
1-Chlorooctane		126									70 - 130
o-Terphenyl		81									70 - 130

Lab Sample ID: MB 880-53630/1-A
Matrix: Solid
Analysis Batch: 53625

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 53630

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		05/18/23 08:00	05/18/23 08:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/18/23 08:00	05/18/23 08:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/18/23 08:00	05/18/23 08:37	1
Surrogate		MB %Recovery		MB Qualifier			Prepared	Analyzed	Dil Fac
1-Chlorooctane		214	S1+				05/18/23 08:00	05/18/23 08:37	1
o-Terphenyl		171	S1+				05/18/23 08:00	05/18/23 08:37	1

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-53630/2-A
Matrix: Solid
Analysis Batch: 53625

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 53630

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
							Lower	Upper
Gasoline Range Organics (GRO)-C6-C10	1000	824.0		mg/Kg		82	70	130
Diesel Range Organics (Over C10-C28)	1000	854.6		mg/Kg		85	70	130
		LCS	LCS					
Surrogate		%Recovery	Qualifier				Limits	
1-Chlorooctane		100					70 - 130	
o-Terphenyl		77					70 - 130	

Lab Sample ID: LCSD 880-53630/3-A
Matrix: Solid
Analysis Batch: 53625

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 53630

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
							Lower	Upper	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	825.3		mg/Kg		83	70	130	0	20
Diesel Range Organics (Over C10-C28)	1000	803.9		mg/Kg		80	70	130	6	20
		LCSD	LCSD							
Surrogate		%Recovery	Qualifier				Limits			
1-Chlorooctane		100					70 - 130			
o-Terphenyl		76					70 - 130			

Lab Sample ID: 880-28483-33 MS
Matrix: Solid
Analysis Batch: 53625

Client Sample ID: AH-5 (4.5')
Prep Type: Total/NA
Prep Batch: 53630

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
									Lower	Upper
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	999	1643	F1	mg/Kg		165	70	130
Diesel Range Organics (Over C10-C28)	108		999	939.9		mg/Kg		83	70	130
		MS	MS							
Surrogate		%Recovery	Qualifier				Limits			
1-Chlorooctane		124					70 - 130			
o-Terphenyl		85					70 - 130			

Lab Sample ID: 880-28483-33 MSD
Matrix: Solid
Analysis Batch: 53625

Client Sample ID: AH-5 (4.5')
Prep Type: Total/NA
Prep Batch: 53630

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
									Lower	Upper	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	999	1673	F1	mg/Kg		167	70	130	2	20
Diesel Range Organics (Over C10-C28)	108		999	953.5		mg/Kg		85	70	130	1	20
		MSD	MSD									
Surrogate		%Recovery	Qualifier				Limits					
1-Chlorooctane		127					70 - 130					

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

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

Lab Sample ID: 880-28483-33 MSD
Matrix: Solid
Analysis Batch: 53625

Client Sample ID: AH-5 (4.5')
Prep Type: Total/NA
Prep Batch: 53630

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl	86		70 - 130

Lab Sample ID: MB 880-53658/1-A
Matrix: Solid
Analysis Batch: 53627

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 53658

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/18/23 08:00	05/18/23 08:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/18/23 08:00	05/18/23 08:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/18/23 08:00	05/18/23 08:37	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
<i>1</i> -Chlorooctane	195	S1+	70 - 130	05/18/23 08:00	05/18/23 08:37	1
<i>o</i> -Terphenyl	206	S1+	70 - 130	05/18/23 08:00	05/18/23 08:37	1

Lab Sample ID: LCS 880-53658/2-A
Matrix: Solid
Analysis Batch: 53627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 53658

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	962.5		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	988.7		mg/Kg		99	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
<i>1</i> -Chlorooctane	95		70 - 130
<i>o</i> -Terphenyl	93		70 - 130

Lab Sample ID: LCSD 880-53658/3-A
Matrix: Solid
Analysis Batch: 53627

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 53658

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	Limit
		Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	1000	947.9		mg/Kg		95	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	980.4		mg/Kg		98	70 - 130	1	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
<i>1</i> -Chlorooctane	109		70 - 130
<i>o</i> -Terphenyl	109		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

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

Lab Sample ID: 880-28483-21 MS
 Matrix: Solid
 Analysis Batch: 53627

Client Sample ID: AH-3 (2.5')
 Prep Type: Total/NA
 Prep Batch: 53658

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1015		mg/Kg		100		70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1075		mg/Kg		104		70 - 130
Surrogate	%Recovery	Qualifier	Limits	MS	MS					
1-Chlorooctane	116		70 - 130							
o-Terphenyl	113		70 - 130							

Lab Sample ID: 880-28483-21 MSD
 Matrix: Solid
 Analysis Batch: 53627

Client Sample ID: AH-3 (2.5')
 Prep Type: Total/NA
 Prep Batch: 53658

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	908.9		mg/Kg		89		70 - 130	11	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	967.5		mg/Kg		93		70 - 130	11	20
Surrogate	%Recovery	Qualifier	Limits	MSD	MSD							
1-Chlorooctane	108		70 - 130									
o-Terphenyl	98		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-53567/1-A
 Matrix: Solid
 Analysis Batch: 53677

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<5.00	U	5.00		mg/Kg			05/18/23 20:22	1

Lab Sample ID: LCS 880-53567/2-A
 Matrix: Solid
 Analysis Batch: 53677

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	Limits
Chloride	250	239.5		mg/Kg		96		90 - 110

Lab Sample ID: LCSD 880-53567/3-A
 Matrix: Solid
 Analysis Batch: 53677

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
Chloride	250	240.2		mg/Kg		96		90 - 110	0	20

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-28483-1 MS
Matrix: Solid
Analysis Batch: 53677

Client Sample ID: H-1 (1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	46.6		251	285.4		mg/Kg		95	90 - 110

Lab Sample ID: 880-28483-1 MSD
Matrix: Solid
Analysis Batch: 53677

Client Sample ID: H-1 (1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	46.6		251	286.0		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-28483-11 MS
Matrix: Solid
Analysis Batch: 53677

Client Sample ID: AH-1 (2.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	43.1		248	286.0		mg/Kg		98	90 - 110

Lab Sample ID: 880-28483-11 MSD
Matrix: Solid
Analysis Batch: 53677

Client Sample ID: AH-1 (2.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	43.1		248	285.9		mg/Kg		98	90 - 110	0	20

Lab Sample ID: MB 880-53568/1-A
Matrix: Solid
Analysis Batch: 53679

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			05/19/23 15:08	1

Lab Sample ID: LCS 880-53568/2-A
Matrix: Solid
Analysis Batch: 53679

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	265.6		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-53568/3-A
Matrix: Solid
Analysis Batch: 53679

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	267.1		mg/Kg		107	90 - 110	1	20

Lab Sample ID: 880-28483-21 MS
Matrix: Solid
Analysis Batch: 53679

Client Sample ID: AH-3 (2.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	92.7	F1	249	377.0	F1	mg/Kg		114	90 - 110

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-28483-21 MSD
Matrix: Solid
Analysis Batch: 53679

Client Sample ID: AH-3 (2.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	92.7	F1	249	375.9	F1	mg/Kg		114	90 - 110	0	20

Lab Sample ID: 880-28483-31 MS
Matrix: Solid
Analysis Batch: 53679

Client Sample ID: AH-5 (2.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	56.1		250	322.8		mg/Kg		107	90 - 110		

Lab Sample ID: 880-28483-31 MSD
Matrix: Solid
Analysis Batch: 53679

Client Sample ID: AH-5 (2.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	56.1		250	322.4		mg/Kg		107	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

GC VOA

Prep Batch: 53607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-1	H-1 (1')	Total/NA	Solid	5035	
880-28483-2	H-2 (1')	Total/NA	Solid	5035	
880-28483-3	H-3 (1')	Total/NA	Solid	5035	
880-28483-4	H-4 (1')	Total/NA	Solid	5035	
880-28483-5	H-5 (1')	Total/NA	Solid	5035	
880-28483-6	H-6 (1')	Total/NA	Solid	5035	
880-28483-7	H-7 (1')	Total/NA	Solid	5035	
880-28483-8	H-8 (1')	Total/NA	Solid	5035	
880-28483-9	AH-1 (1')	Total/NA	Solid	5035	
880-28483-10	AH-1 (1.5')	Total/NA	Solid	5035	
880-28483-11	AH-1 (2.5')	Total/NA	Solid	5035	
880-28483-12	AH-1 (3.5')	Total/NA	Solid	5035	
880-28483-13	AH-1 (4.5')	Total/NA	Solid	5035	
880-28483-14	AH-2 (1')	Total/NA	Solid	5035	
880-28483-15	AH-2 (1.5')	Total/NA	Solid	5035	
880-28483-16	AH-2 (2.5')	Total/NA	Solid	5035	
880-28483-17	AH-2 (3.5')	Total/NA	Solid	5035	
880-28483-18	AH-2 (4.5')	Total/NA	Solid	5035	
880-28483-19	AH-3 (1')	Total/NA	Solid	5035	
880-28483-20	AH-3 (1.5')	Total/NA	Solid	5035	
MB 880-53607/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53607/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53607/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28483-1 MS	H-1 (1')	Total/NA	Solid	5035	
880-28483-1 MSD	H-1 (1')	Total/NA	Solid	5035	

Prep Batch: 53609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-53609/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 53662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-21	AH-3 (2.5')	Total/NA	Solid	5035	
880-28483-22	AH-3 (3.5')	Total/NA	Solid	5035	
880-28483-23	AH-3 (4.5')	Total/NA	Solid	5035	
880-28483-24	AH-4 (1')	Total/NA	Solid	5035	
880-28483-25	AH-4 (1.5')	Total/NA	Solid	5035	
880-28483-26	AH-4 (2.5')	Total/NA	Solid	5035	
880-28483-27	AH-4 (3.5')	Total/NA	Solid	5035	
880-28483-28	AH-4 (4.5')	Total/NA	Solid	5035	
880-28483-29	AH-5 (1')	Total/NA	Solid	5035	
880-28483-30	AH-5 (1.5')	Total/NA	Solid	5035	
MB 880-53662/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53662/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53662/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28483-21 MS	AH-3 (2.5')	Total/NA	Solid	5035	
880-28483-21 MSD	AH-3 (2.5')	Total/NA	Solid	5035	

Analysis Batch: 53830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-1	H-1 (1')	Total/NA	Solid	8021B	53607

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QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

GC VOA (Continued)

Analysis Batch: 53830 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-2	H-2 (1')	Total/NA	Solid	8021B	53607
880-28483-3	H-3 (1')	Total/NA	Solid	8021B	53607
880-28483-4	H-4 (1')	Total/NA	Solid	8021B	53607
880-28483-5	H-5 (1')	Total/NA	Solid	8021B	53607
880-28483-6	H-6 (1')	Total/NA	Solid	8021B	53607
880-28483-7	H-7 (1')	Total/NA	Solid	8021B	53607
880-28483-8	H-8 (1')	Total/NA	Solid	8021B	53607
880-28483-9	AH-1 (1')	Total/NA	Solid	8021B	53607
880-28483-10	AH-1 (1.5')	Total/NA	Solid	8021B	53607
880-28483-11	AH-1 (2.5')	Total/NA	Solid	8021B	53607
880-28483-12	AH-1 (3.5')	Total/NA	Solid	8021B	53607
880-28483-13	AH-1 (4.5')	Total/NA	Solid	8021B	53607
880-28483-14	AH-2 (1')	Total/NA	Solid	8021B	53607
880-28483-15	AH-2 (1.5')	Total/NA	Solid	8021B	53607
880-28483-16	AH-2 (2.5')	Total/NA	Solid	8021B	53607
880-28483-17	AH-2 (3.5')	Total/NA	Solid	8021B	53607
880-28483-18	AH-2 (4.5')	Total/NA	Solid	8021B	53607
880-28483-19	AH-3 (1')	Total/NA	Solid	8021B	53607
880-28483-20	AH-3 (1.5')	Total/NA	Solid	8021B	53607
MB 880-53607/5-A	Method Blank	Total/NA	Solid	8021B	53607
MB 880-53609/5-A	Method Blank	Total/NA	Solid	8021B	53609
LCS 880-53607/1-A	Lab Control Sample	Total/NA	Solid	8021B	53607
LCSD 880-53607/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53607
880-28483-1 MS	H-1 (1')	Total/NA	Solid	8021B	53607
880-28483-1 MSD	H-1 (1')	Total/NA	Solid	8021B	53607

Analysis Batch: 53831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-21	AH-3 (2.5')	Total/NA	Solid	8021B	53662
880-28483-22	AH-3 (3.5')	Total/NA	Solid	8021B	53662
880-28483-23	AH-3 (4.5')	Total/NA	Solid	8021B	53662
880-28483-24	AH-4 (1')	Total/NA	Solid	8021B	53662
880-28483-25	AH-4 (1.5')	Total/NA	Solid	8021B	53662
880-28483-26	AH-4 (2.5')	Total/NA	Solid	8021B	53662
880-28483-27	AH-4 (3.5')	Total/NA	Solid	8021B	53662
880-28483-28	AH-4 (4.5')	Total/NA	Solid	8021B	53662
880-28483-29	AH-5 (1')	Total/NA	Solid	8021B	53662
880-28483-30	AH-5 (1.5')	Total/NA	Solid	8021B	53662
MB 880-53662/5-A	Method Blank	Total/NA	Solid	8021B	53662
MB 880-53833/5-A	Method Blank	Total/NA	Solid	8021B	53833
LCS 880-53662/1-A	Lab Control Sample	Total/NA	Solid	8021B	53662
LCSD 880-53662/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53662
880-28483-21 MS	AH-3 (2.5')	Total/NA	Solid	8021B	53662
880-28483-21 MSD	AH-3 (2.5')	Total/NA	Solid	8021B	53662

Prep Batch: 53833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-53833/5-A	Method Blank	Total/NA	Solid	5035	

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QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 53960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-31	AH-5 (2.5')	Total/NA	Solid	5035	
880-28483-32	AH-5 (3.5')	Total/NA	Solid	5035	
880-28483-33	AH-5 (4.5')	Total/NA	Solid	5035	
MB 880-53960/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53960/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53960/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4690-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-4690-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 53966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-1	H-1 (1')	Total/NA	Solid	Total BTEX	
880-28483-2	H-2 (1')	Total/NA	Solid	Total BTEX	
880-28483-3	H-3 (1')	Total/NA	Solid	Total BTEX	
880-28483-4	H-4 (1')	Total/NA	Solid	Total BTEX	
880-28483-5	H-5 (1')	Total/NA	Solid	Total BTEX	
880-28483-6	H-6 (1')	Total/NA	Solid	Total BTEX	
880-28483-7	H-7 (1')	Total/NA	Solid	Total BTEX	
880-28483-8	H-8 (1')	Total/NA	Solid	Total BTEX	
880-28483-9	AH-1 (1')	Total/NA	Solid	Total BTEX	
880-28483-10	AH-1 (1.5')	Total/NA	Solid	Total BTEX	
880-28483-11	AH-1 (2.5')	Total/NA	Solid	Total BTEX	
880-28483-12	AH-1 (3.5')	Total/NA	Solid	Total BTEX	
880-28483-13	AH-1 (4.5')	Total/NA	Solid	Total BTEX	
880-28483-14	AH-2 (1')	Total/NA	Solid	Total BTEX	
880-28483-15	AH-2 (1.5')	Total/NA	Solid	Total BTEX	
880-28483-16	AH-2 (2.5')	Total/NA	Solid	Total BTEX	
880-28483-17	AH-2 (3.5')	Total/NA	Solid	Total BTEX	
880-28483-18	AH-2 (4.5')	Total/NA	Solid	Total BTEX	
880-28483-19	AH-3 (1')	Total/NA	Solid	Total BTEX	
880-28483-20	AH-3 (1.5')	Total/NA	Solid	Total BTEX	
880-28483-21	AH-3 (2.5')	Total/NA	Solid	Total BTEX	
880-28483-22	AH-3 (3.5')	Total/NA	Solid	Total BTEX	
880-28483-23	AH-3 (4.5')	Total/NA	Solid	Total BTEX	
880-28483-24	AH-4 (1')	Total/NA	Solid	Total BTEX	
880-28483-25	AH-4 (1.5')	Total/NA	Solid	Total BTEX	
880-28483-26	AH-4 (2.5')	Total/NA	Solid	Total BTEX	
880-28483-27	AH-4 (3.5')	Total/NA	Solid	Total BTEX	
880-28483-28	AH-4 (4.5')	Total/NA	Solid	Total BTEX	
880-28483-29	AH-5 (1')	Total/NA	Solid	Total BTEX	
880-28483-30	AH-5 (1.5')	Total/NA	Solid	Total BTEX	
880-28483-31	AH-5 (2.5')	Total/NA	Solid	Total BTEX	
880-28483-32	AH-5 (3.5')	Total/NA	Solid	Total BTEX	
880-28483-33	AH-5 (4.5')	Total/NA	Solid	Total BTEX	

Analysis Batch: 53967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-31	AH-5 (2.5')	Total/NA	Solid	8021B	53960
880-28483-32	AH-5 (3.5')	Total/NA	Solid	8021B	53960
880-28483-33	AH-5 (4.5')	Total/NA	Solid	8021B	53960
MB 880-53960/5-A	Method Blank	Total/NA	Solid	8021B	53960

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

GC VOA (Continued)

Analysis Batch: 53967 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-53960/1-A	Lab Control Sample	Total/NA	Solid	8021B	53960
LCSD 880-53960/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53960
890-4690-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	53960
890-4690-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	53960

GC Semi VOA

Prep Batch: 53484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-1	H-1 (1')	Total/NA	Solid	8015NM Prep	
880-28483-2	H-2 (1')	Total/NA	Solid	8015NM Prep	
880-28483-3	H-3 (1')	Total/NA	Solid	8015NM Prep	
880-28483-4	H-4 (1')	Total/NA	Solid	8015NM Prep	
880-28483-5	H-5 (1')	Total/NA	Solid	8015NM Prep	
880-28483-6	H-6 (1')	Total/NA	Solid	8015NM Prep	
880-28483-7	H-7 (1')	Total/NA	Solid	8015NM Prep	
880-28483-8	H-8 (1')	Total/NA	Solid	8015NM Prep	
880-28483-9	AH-1 (1')	Total/NA	Solid	8015NM Prep	
880-28483-10	AH-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-28483-11	AH-1 (2.5')	Total/NA	Solid	8015NM Prep	
880-28483-12	AH-1 (3.5')	Total/NA	Solid	8015NM Prep	
880-28483-13	AH-1 (4.5')	Total/NA	Solid	8015NM Prep	
880-28483-14	AH-2 (1')	Total/NA	Solid	8015NM Prep	
880-28483-15	AH-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-28483-16	AH-2 (2.5')	Total/NA	Solid	8015NM Prep	
880-28483-17	AH-2 (3.5')	Total/NA	Solid	8015NM Prep	
880-28483-18	AH-2 (4.5')	Total/NA	Solid	8015NM Prep	
880-28483-19	AH-3 (1')	Total/NA	Solid	8015NM Prep	
880-28483-20	AH-3 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-53484/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53484/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53484/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28483-1 MS	H-1 (1')	Total/NA	Solid	8015NM Prep	
880-28483-1 MSD	H-1 (1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 53550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-1	H-1 (1')	Total/NA	Solid	8015B NM	53484
880-28483-2	H-2 (1')	Total/NA	Solid	8015B NM	53484
880-28483-3	H-3 (1')	Total/NA	Solid	8015B NM	53484
880-28483-4	H-4 (1')	Total/NA	Solid	8015B NM	53484
880-28483-5	H-5 (1')	Total/NA	Solid	8015B NM	53484
880-28483-6	H-6 (1')	Total/NA	Solid	8015B NM	53484
880-28483-7	H-7 (1')	Total/NA	Solid	8015B NM	53484
880-28483-8	H-8 (1')	Total/NA	Solid	8015B NM	53484
880-28483-9	AH-1 (1')	Total/NA	Solid	8015B NM	53484
880-28483-10	AH-1 (1.5')	Total/NA	Solid	8015B NM	53484
880-28483-11	AH-1 (2.5')	Total/NA	Solid	8015B NM	53484
880-28483-12	AH-1 (3.5')	Total/NA	Solid	8015B NM	53484
880-28483-13	AH-1 (4.5')	Total/NA	Solid	8015B NM	53484
880-28483-14	AH-2 (1')	Total/NA	Solid	8015B NM	53484

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 53550 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-15	AH-2 (1.5')	Total/NA	Solid	8015B NM	53484
880-28483-16	AH-2 (2.5')	Total/NA	Solid	8015B NM	53484
880-28483-17	AH-2 (3.5')	Total/NA	Solid	8015B NM	53484
880-28483-18	AH-2 (4.5')	Total/NA	Solid	8015B NM	53484
880-28483-19	AH-3 (1')	Total/NA	Solid	8015B NM	53484
880-28483-20	AH-3 (1.5')	Total/NA	Solid	8015B NM	53484
MB 880-53484/1-A	Method Blank	Total/NA	Solid	8015B NM	53484
LCS 880-53484/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53484
LCSD 880-53484/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53484
880-28483-1 MS	H-1 (1')	Total/NA	Solid	8015B NM	53484
880-28483-1 MSD	H-1 (1')	Total/NA	Solid	8015B NM	53484

Analysis Batch: 53625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-24	AH-4 (1')	Total/NA	Solid	8015B NM	53630
880-28483-25	AH-4 (1.5')	Total/NA	Solid	8015B NM	53630
880-28483-26	AH-4 (2.5')	Total/NA	Solid	8015B NM	53630
880-28483-27	AH-4 (3.5')	Total/NA	Solid	8015B NM	53630
880-28483-28	AH-4 (4.5')	Total/NA	Solid	8015B NM	53630
880-28483-29	AH-5 (1')	Total/NA	Solid	8015B NM	53630
880-28483-30	AH-5 (1.5')	Total/NA	Solid	8015B NM	53630
880-28483-31	AH-5 (2.5')	Total/NA	Solid	8015B NM	53630
880-28483-32	AH-5 (3.5')	Total/NA	Solid	8015B NM	53630
880-28483-33	AH-5 (4.5')	Total/NA	Solid	8015B NM	53630
MB 880-53630/1-A	Method Blank	Total/NA	Solid	8015B NM	53630
LCS 880-53630/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53630
LCSD 880-53630/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53630
880-28483-33 MS	AH-5 (4.5')	Total/NA	Solid	8015B NM	53630
880-28483-33 MSD	AH-5 (4.5')	Total/NA	Solid	8015B NM	53630

Analysis Batch: 53627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-21	AH-3 (2.5')	Total/NA	Solid	8015B NM	53658
880-28483-22	AH-3 (3.5')	Total/NA	Solid	8015B NM	53658
880-28483-23	AH-3 (4.5')	Total/NA	Solid	8015B NM	53658
MB 880-53658/1-A	Method Blank	Total/NA	Solid	8015B NM	53658
LCS 880-53658/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53658
LCSD 880-53658/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53658
880-28483-21 MS	AH-3 (2.5')	Total/NA	Solid	8015B NM	53658
880-28483-21 MSD	AH-3 (2.5')	Total/NA	Solid	8015B NM	53658

Prep Batch: 53630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-24	AH-4 (1')	Total/NA	Solid	8015NM Prep	
880-28483-25	AH-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-28483-26	AH-4 (2.5')	Total/NA	Solid	8015NM Prep	
880-28483-27	AH-4 (3.5')	Total/NA	Solid	8015NM Prep	
880-28483-28	AH-4 (4.5')	Total/NA	Solid	8015NM Prep	
880-28483-29	AH-5 (1')	Total/NA	Solid	8015NM Prep	
880-28483-30	AH-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-28483-31	AH-5 (2.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

GC Semi VOA (Continued)

Prep Batch: 53630 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-32	AH-5 (3.5')	Total/NA	Solid	8015NM Prep	
880-28483-33	AH-5 (4.5')	Total/NA	Solid	8015NM Prep	
MB 880-53630/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53630/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53630/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28483-33 MS	AH-5 (4.5')	Total/NA	Solid	8015NM Prep	
880-28483-33 MSD	AH-5 (4.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 53658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-21	AH-3 (2.5')	Total/NA	Solid	8015NM Prep	
880-28483-22	AH-3 (3.5')	Total/NA	Solid	8015NM Prep	
880-28483-23	AH-3 (4.5')	Total/NA	Solid	8015NM Prep	
MB 880-53658/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53658/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53658/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28483-21 MS	AH-3 (2.5')	Total/NA	Solid	8015NM Prep	
880-28483-21 MSD	AH-3 (2.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 53666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-1	H-1 (1')	Total/NA	Solid	8015 NM	
880-28483-2	H-2 (1')	Total/NA	Solid	8015 NM	
880-28483-3	H-3 (1')	Total/NA	Solid	8015 NM	
880-28483-4	H-4 (1')	Total/NA	Solid	8015 NM	
880-28483-5	H-5 (1')	Total/NA	Solid	8015 NM	
880-28483-6	H-6 (1')	Total/NA	Solid	8015 NM	
880-28483-7	H-7 (1')	Total/NA	Solid	8015 NM	
880-28483-8	H-8 (1')	Total/NA	Solid	8015 NM	
880-28483-9	AH-1 (1')	Total/NA	Solid	8015 NM	
880-28483-10	AH-1 (1.5')	Total/NA	Solid	8015 NM	
880-28483-11	AH-1 (2.5')	Total/NA	Solid	8015 NM	
880-28483-12	AH-1 (3.5')	Total/NA	Solid	8015 NM	
880-28483-13	AH-1 (4.5')	Total/NA	Solid	8015 NM	
880-28483-14	AH-2 (1')	Total/NA	Solid	8015 NM	
880-28483-15	AH-2 (1.5')	Total/NA	Solid	8015 NM	
880-28483-16	AH-2 (2.5')	Total/NA	Solid	8015 NM	
880-28483-17	AH-2 (3.5')	Total/NA	Solid	8015 NM	
880-28483-18	AH-2 (4.5')	Total/NA	Solid	8015 NM	
880-28483-19	AH-3 (1')	Total/NA	Solid	8015 NM	
880-28483-20	AH-3 (1.5')	Total/NA	Solid	8015 NM	
880-28483-21	AH-3 (2.5')	Total/NA	Solid	8015 NM	
880-28483-22	AH-3 (3.5')	Total/NA	Solid	8015 NM	
880-28483-23	AH-3 (4.5')	Total/NA	Solid	8015 NM	
880-28483-24	AH-4 (1')	Total/NA	Solid	8015 NM	
880-28483-25	AH-4 (1.5')	Total/NA	Solid	8015 NM	
880-28483-26	AH-4 (2.5')	Total/NA	Solid	8015 NM	
880-28483-27	AH-4 (3.5')	Total/NA	Solid	8015 NM	
880-28483-28	AH-4 (4.5')	Total/NA	Solid	8015 NM	
880-28483-29	AH-5 (1')	Total/NA	Solid	8015 NM	
880-28483-30	AH-5 (1.5')	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 53666 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-31	AH-5 (2.5')	Total/NA	Solid	8015 NM	
880-28483-32	AH-5 (3.5')	Total/NA	Solid	8015 NM	
880-28483-33	AH-5 (4.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 53567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-1	H-1 (1')	Soluble	Solid	DI Leach	
880-28483-2	H-2 (1')	Soluble	Solid	DI Leach	
880-28483-3	H-3 (1')	Soluble	Solid	DI Leach	
880-28483-4	H-4 (1')	Soluble	Solid	DI Leach	
880-28483-5	H-5 (1')	Soluble	Solid	DI Leach	
880-28483-6	H-6 (1')	Soluble	Solid	DI Leach	
880-28483-7	H-7 (1')	Soluble	Solid	DI Leach	
880-28483-8	H-8 (1')	Soluble	Solid	DI Leach	
880-28483-9	AH-1 (1')	Soluble	Solid	DI Leach	
880-28483-10	AH-1 (1.5')	Soluble	Solid	DI Leach	
880-28483-11	AH-1 (2.5')	Soluble	Solid	DI Leach	
880-28483-12	AH-1 (3.5')	Soluble	Solid	DI Leach	
880-28483-13	AH-1 (4.5')	Soluble	Solid	DI Leach	
880-28483-14	AH-2 (1')	Soluble	Solid	DI Leach	
880-28483-15	AH-2 (1.5')	Soluble	Solid	DI Leach	
880-28483-16	AH-2 (2.5')	Soluble	Solid	DI Leach	
880-28483-17	AH-2 (3.5')	Soluble	Solid	DI Leach	
880-28483-18	AH-2 (4.5')	Soluble	Solid	DI Leach	
880-28483-19	AH-3 (1')	Soluble	Solid	DI Leach	
880-28483-20	AH-3 (1.5')	Soluble	Solid	DI Leach	
MB 880-53567/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-53567/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCS 880-53567/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28483-1 MS	H-1 (1')	Soluble	Solid	DI Leach	
880-28483-1 MSD	H-1 (1')	Soluble	Solid	DI Leach	
880-28483-11 MS	AH-1 (2.5')	Soluble	Solid	DI Leach	
880-28483-11 MSD	AH-1 (2.5')	Soluble	Solid	DI Leach	

Leach Batch: 53568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-21	AH-3 (2.5')	Soluble	Solid	DI Leach	
880-28483-22	AH-3 (3.5')	Soluble	Solid	DI Leach	
880-28483-23	AH-3 (4.5')	Soluble	Solid	DI Leach	
880-28483-24	AH-4 (1')	Soluble	Solid	DI Leach	
880-28483-25	AH-4 (1.5')	Soluble	Solid	DI Leach	
880-28483-26	AH-4 (2.5')	Soluble	Solid	DI Leach	
880-28483-27	AH-4 (3.5')	Soluble	Solid	DI Leach	
880-28483-28	AH-4 (4.5')	Soluble	Solid	DI Leach	
880-28483-29	AH-5 (1')	Soluble	Solid	DI Leach	
880-28483-30	AH-5 (1.5')	Soluble	Solid	DI Leach	
880-28483-31	AH-5 (2.5')	Soluble	Solid	DI Leach	
880-28483-32	AH-5 (3.5')	Soluble	Solid	DI Leach	
880-28483-33	AH-5 (4.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Leach Batch: 53568 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-53568/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-53568/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-53568/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28483-21 MS	AH-3 (2.5')	Soluble	Solid	DI Leach	
880-28483-21 MSD	AH-3 (2.5')	Soluble	Solid	DI Leach	
880-28483-31 MS	AH-5 (2.5')	Soluble	Solid	DI Leach	
880-28483-31 MSD	AH-5 (2.5')	Soluble	Solid	DI Leach	

Analysis Batch: 53677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-1	H-1 (1')	Soluble	Solid	300.0	53567
880-28483-2	H-2 (1')	Soluble	Solid	300.0	53567
880-28483-3	H-3 (1')	Soluble	Solid	300.0	53567
880-28483-4	H-4 (1')	Soluble	Solid	300.0	53567
880-28483-5	H-5 (1')	Soluble	Solid	300.0	53567
880-28483-6	H-6 (1')	Soluble	Solid	300.0	53567
880-28483-7	H-7 (1')	Soluble	Solid	300.0	53567
880-28483-8	H-8 (1')	Soluble	Solid	300.0	53567
880-28483-9	AH-1 (1')	Soluble	Solid	300.0	53567
880-28483-10	AH-1 (1.5')	Soluble	Solid	300.0	53567
880-28483-11	AH-1 (2.5')	Soluble	Solid	300.0	53567
880-28483-12	AH-1 (3.5')	Soluble	Solid	300.0	53567
880-28483-13	AH-1 (4.5')	Soluble	Solid	300.0	53567
880-28483-14	AH-2 (1')	Soluble	Solid	300.0	53567
880-28483-15	AH-2 (1.5')	Soluble	Solid	300.0	53567
880-28483-16	AH-2 (2.5')	Soluble	Solid	300.0	53567
880-28483-17	AH-2 (3.5')	Soluble	Solid	300.0	53567
880-28483-18	AH-2 (4.5')	Soluble	Solid	300.0	53567
880-28483-19	AH-3 (1')	Soluble	Solid	300.0	53567
880-28483-20	AH-3 (1.5')	Soluble	Solid	300.0	53567
MB 880-53567/1-A	Method Blank	Soluble	Solid	300.0	53567
LCS 880-53567/2-A	Lab Control Sample	Soluble	Solid	300.0	53567
LCSD 880-53567/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	53567
880-28483-1 MS	H-1 (1')	Soluble	Solid	300.0	53567
880-28483-1 MSD	H-1 (1')	Soluble	Solid	300.0	53567
880-28483-11 MS	AH-1 (2.5')	Soluble	Solid	300.0	53567
880-28483-11 MSD	AH-1 (2.5')	Soluble	Solid	300.0	53567

Analysis Batch: 53679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-21	AH-3 (2.5')	Soluble	Solid	300.0	53568
880-28483-22	AH-3 (3.5')	Soluble	Solid	300.0	53568
880-28483-23	AH-3 (4.5')	Soluble	Solid	300.0	53568
880-28483-24	AH-4 (1')	Soluble	Solid	300.0	53568
880-28483-25	AH-4 (1.5')	Soluble	Solid	300.0	53568
880-28483-26	AH-4 (2.5')	Soluble	Solid	300.0	53568
880-28483-27	AH-4 (3.5')	Soluble	Solid	300.0	53568
880-28483-28	AH-4 (4.5')	Soluble	Solid	300.0	53568
880-28483-29	AH-5 (1')	Soluble	Solid	300.0	53568
880-28483-30	AH-5 (1.5')	Soluble	Solid	300.0	53568
880-28483-31	AH-5 (2.5')	Soluble	Solid	300.0	53568

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

HPLC/IC (Continued)

Analysis Batch: 53679 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28483-32	AH-5 (3.5')	Soluble	Solid	300.0	53568
880-28483-33	AH-5 (4.5')	Soluble	Solid	300.0	53568
MB 880-53568/1-A	Method Blank	Soluble	Solid	300.0	53568
LCS 880-53568/2-A	Lab Control Sample	Soluble	Solid	300.0	53568
LCSD 880-53568/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	53568
880-28483-21 MS	AH-3 (2.5')	Soluble	Solid	300.0	53568
880-28483-21 MSD	AH-3 (2.5')	Soluble	Solid	300.0	53568
880-28483-31 MS	AH-5 (2.5')	Soluble	Solid	300.0	53568
880-28483-31 MSD	AH-5 (2.5')	Soluble	Solid	300.0	53568

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Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: H-1 (1')

Lab Sample ID: 880-28483-1

Date Collected: 05/12/23 08:45

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 01:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 11:06	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 20:38	CH	EET MID

Client Sample ID: H-2 (1')

Lab Sample ID: 880-28483-2

Date Collected: 05/12/23 09:00

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 02:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 12:11	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 20:54	CH	EET MID

Client Sample ID: H-3 (1')

Lab Sample ID: 880-28483-3

Date Collected: 05/12/23 09:15

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 02:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 12:33	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 21:00	CH	EET MID

Client Sample ID: H-4 (1')

Lab Sample ID: 880-28483-4

Date Collected: 05/12/23 09:30

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 03:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: H-4 (1')

Lab Sample ID: 880-28483-4

Date Collected: 05/12/23 09:30

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 12:55	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 21:05	CH	EET MID

Client Sample ID: H-5 (1')

Lab Sample ID: 880-28483-5

Date Collected: 05/12/23 09:45

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 03:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 13:16	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 21:11	CH	EET MID

Client Sample ID: H-6 (1')

Lab Sample ID: 880-28483-6

Date Collected: 05/12/23 10:00

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 04:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 13:38	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 21:27	CH	EET MID

Client Sample ID: H-7 (1')

Lab Sample ID: 880-28483-7

Date Collected: 05/12/23 10:15

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 04:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 14:00	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: H-7 (1')

Lab Sample ID: 880-28483-7

Date Collected: 05/12/23 10:15

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 21:32	CH	EET MID

Client Sample ID: H-8 (1')

Lab Sample ID: 880-28483-8

Date Collected: 05/12/23 10:30

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 04:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 14:21	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 21:37	CH	EET MID

Client Sample ID: AH-1 (1')

Lab Sample ID: 880-28483-9

Date Collected: 05/12/23 10:45

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 05:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 14:43	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 21:43	CH	EET MID

Client Sample ID: AH-1 (1.5')

Lab Sample ID: 880-28483-10

Date Collected: 05/12/23 11:00

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 05:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 15:04	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 21:48	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-1 (2.5')

Lab Sample ID: 880-28483-11

Date Collected: 05/12/23 11:15

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 07:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 15:48	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 21:53	CH	EET MID

Client Sample ID: AH-1 (3.5')

Lab Sample ID: 880-28483-12

Date Collected: 05/12/23 11:30

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 08:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 16:09	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 22:09	CH	EET MID

Client Sample ID: AH-1 (4.5')

Lab Sample ID: 880-28483-13

Date Collected: 05/12/23 11:45

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 08:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 16:31	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 22:15	CH	EET MID

Client Sample ID: AH-2 (1')

Lab Sample ID: 880-28483-14

Date Collected: 05/12/23 12:00

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 08:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:03	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-2 (1')

Lab Sample ID: 880-28483-14

Date Collected: 05/12/23 12:00

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 16:53	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 22:31	CH	EET MID

Client Sample ID: AH-2 (1.5')

Lab Sample ID: 880-28483-15

Date Collected: 05/12/23 12:30

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 09:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 10:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 17:14	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 22:37	CH	EET MID

Client Sample ID: AH-2 (2.5')

Lab Sample ID: 880-28483-16

Date Collected: 05/12/23 12:45

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 09:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 10:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 17:37	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 22:42	CH	EET MID

Client Sample ID: AH-2 (3.5')

Lab Sample ID: 880-28483-17

Date Collected: 05/12/23 13:00

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 10:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 10:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 17:58	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-2 (3.5')

Lab Sample ID: 880-28483-17

Date Collected: 05/12/23 13:00

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 22:47	CH	EET MID

Client Sample ID: AH-2 (4.5')

Lab Sample ID: 880-28483-18

Date Collected: 05/12/23 13:15

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 10:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 10:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 18:20	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 22:53	CH	EET MID

Client Sample ID: AH-3 (1')

Lab Sample ID: 880-28483-19

Date Collected: 05/12/23 13:30

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 11:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 10:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 18:42	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 22:58	CH	EET MID

Client Sample ID: AH-3 (1.5')

Lab Sample ID: 880-28483-20

Date Collected: 05/12/23 13:45

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53607	05/17/23 15:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/23/23 11:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/24/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53484	05/16/23 12:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53550	05/17/23 19:03	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	53567	05/17/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1			53677	05/18/23 23:03	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-3 (2.5')

Lab Sample ID: 880-28483-21

Date Collected: 05/12/23 14:00

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	53662	05/18/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53831	05/22/23 22:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/19/23 10:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53658	05/18/23 10:51	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53627	05/18/23 11:44	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53568	05/17/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			53679	05/19/23 15:24	CH	EET MID

Client Sample ID: AH-3 (3.5')

Lab Sample ID: 880-28483-22

Date Collected: 05/12/23 14:15

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53662	05/18/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53831	05/22/23 22:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/19/23 10:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53658	05/18/23 10:51	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53627	05/18/23 12:50	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	53568	05/17/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			53679	05/19/23 15:40	CH	EET MID

Client Sample ID: AH-3 (4.5')

Lab Sample ID: 880-28483-23

Date Collected: 05/12/23 14:30

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53662	05/18/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53831	05/22/23 23:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/19/23 10:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53658	05/18/23 10:51	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53627	05/18/23 13:11	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	53568	05/17/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			53679	05/19/23 15:45	CH	EET MID

Client Sample ID: AH-4 (1')

Lab Sample ID: 880-28483-24

Date Collected: 05/12/23 14:45

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	53662	05/18/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53831	05/22/23 23:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:08	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-4 (1')

Lab Sample ID: 880-28483-24

Date Collected: 05/12/23 14:45

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			53666	05/18/23 15:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53630	05/18/23 08:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53625	05/18/23 12:50	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53568	05/17/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			53679	05/19/23 15:51	CH	EET MID

Client Sample ID: AH-4 (1.5')

Lab Sample ID: 880-28483-25

Date Collected: 05/12/23 15:00

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	53662	05/18/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53831	05/22/23 23:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 15:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53630	05/18/23 08:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53625	05/18/23 15:00	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	53568	05/17/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			53679	05/19/23 15:56	CH	EET MID

Client Sample ID: AH-4 (2.5')

Lab Sample ID: 880-28483-26

Date Collected: 05/12/23 15:15

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53662	05/18/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53831	05/23/23 00:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/19/23 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53630	05/18/23 08:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53625	05/18/23 15:22	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	53568	05/17/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			53679	05/19/23 16:12	CH	EET MID

Client Sample ID: AH-4 (3.5')

Lab Sample ID: 880-28483-27

Date Collected: 05/12/23 15:30

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53662	05/18/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53831	05/23/23 00:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/19/23 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53630	05/18/23 08:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53625	05/18/23 15:43	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-4 (3.5')

Lab Sample ID: 880-28483-27

Date Collected: 05/12/23 15:30

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	53568	05/17/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			53679	05/19/23 16:17	CH	EET MID

Client Sample ID: AH-4 (4.5')

Lab Sample ID: 880-28483-28

Date Collected: 05/12/23 15:45

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53662	05/18/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53831	05/23/23 00:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/19/23 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	53630	05/18/23 08:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53625	05/18/23 16:28	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	53568	05/17/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			53679	05/19/23 16:23	CH	EET MID

Client Sample ID: AH-5 (1')

Lab Sample ID: 880-28483-29

Date Collected: 05/12/23 16:00

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53662	05/18/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53831	05/23/23 01:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/19/23 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53630	05/18/23 08:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53625	05/18/23 16:50	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	53568	05/17/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			53679	05/19/23 16:28	CH	EET MID

Client Sample ID: AH-5 (1.5')

Lab Sample ID: 880-28483-30

Date Collected: 05/12/23 16:15

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53662	05/18/23 11:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53831	05/23/23 01:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/23/23 09:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/19/23 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53630	05/18/23 08:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53625	05/18/23 17:12	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53568	05/17/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			53679	05/19/23 16:33	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Client Sample ID: AH-5 (2.5')

Lab Sample ID: 880-28483-31

Date Collected: 05/12/23 16:30

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53960	05/23/23 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53967	05/23/23 19:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/24/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/19/23 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53630	05/18/23 08:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53625	05/18/23 17:34	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53568	05/17/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			53679	05/19/23 16:39	CH	EET MID

Client Sample ID: AH-5 (3.5')

Lab Sample ID: 880-28483-32

Date Collected: 05/12/23 16:45

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53960	05/23/23 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53967	05/23/23 20:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/24/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/19/23 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53630	05/18/23 08:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53625	05/18/23 17:56	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	53568	05/17/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			53679	05/19/23 16:55	CH	EET MID

Client Sample ID: AH-5 (4.5')

Lab Sample ID: 880-28483-33

Date Collected: 05/12/23 17:00

Matrix: Solid

Date Received: 05/16/23 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53960	05/23/23 09:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53967	05/23/23 20:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53966	05/24/23 11:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			53666	05/18/23 15:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53630	05/18/23 08:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53625	05/18/23 11:44	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53568	05/17/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1			53679	05/19/23 17:00	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Tetra Tech, Inc.
Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
SDG: Eddy County, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

- 1
- 2
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- 12
- 13
- 14

Method Summary

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- 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:

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



Sample Summary

Client: Tetra Tech, Inc.
 Project/Site: Stark 33 Water Release #2

Job ID: 880-28483-1
 SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-28483-1	H-1 (1')	Solid	05/12/23 08:45	05/16/23 11:30
880-28483-2	H-2 (1')	Solid	05/12/23 09:00	05/16/23 11:30
880-28483-3	H-3 (1')	Solid	05/12/23 09:15	05/16/23 11:30
880-28483-4	H-4 (1')	Solid	05/12/23 09:30	05/16/23 11:30
880-28483-5	H-5 (1')	Solid	05/12/23 09:45	05/16/23 11:30
880-28483-6	H-6 (1')	Solid	05/12/23 10:00	05/16/23 11:30
880-28483-7	H-7 (1')	Solid	05/12/23 10:15	05/16/23 11:30
880-28483-8	H-8 (1')	Solid	05/12/23 10:30	05/16/23 11:30
880-28483-9	AH-1 (1')	Solid	05/12/23 10:45	05/16/23 11:30
880-28483-10	AH-1 (1.5')	Solid	05/12/23 11:00	05/16/23 11:30
880-28483-11	AH-1 (2.5')	Solid	05/12/23 11:15	05/16/23 11:30
880-28483-12	AH-1 (3.5')	Solid	05/12/23 11:30	05/16/23 11:30
880-28483-13	AH-1 (4.5')	Solid	05/12/23 11:45	05/16/23 11:30
880-28483-14	AH-2 (1')	Solid	05/12/23 12:00	05/16/23 11:30
880-28483-15	AH-2 (1.5')	Solid	05/12/23 12:30	05/16/23 11:30
880-28483-16	AH-2 (2.5')	Solid	05/12/23 12:45	05/16/23 11:30
880-28483-17	AH-2 (3.5')	Solid	05/12/23 13:00	05/16/23 11:30
880-28483-18	AH-2 (4.5')	Solid	05/12/23 13:15	05/16/23 11:30
880-28483-19	AH-3 (1')	Solid	05/12/23 13:30	05/16/23 11:30
880-28483-20	AH-3 (1.5')	Solid	05/12/23 13:45	05/16/23 11:30
880-28483-21	AH-3 (2.5')	Solid	05/12/23 14:00	05/16/23 11:30
880-28483-22	AH-3 (3.5')	Solid	05/12/23 14:15	05/16/23 11:30
880-28483-23	AH-3 (4.5')	Solid	05/12/23 14:30	05/16/23 11:30
880-28483-24	AH-4 (1')	Solid	05/12/23 14:45	05/16/23 11:30
880-28483-25	AH-4 (1.5')	Solid	05/12/23 15:00	05/16/23 11:30
880-28483-26	AH-4 (2.5')	Solid	05/12/23 15:15	05/16/23 11:30
880-28483-27	AH-4 (3.5')	Solid	05/12/23 15:30	05/16/23 11:30
880-28483-28	AH-4 (4.5')	Solid	05/12/23 15:45	05/16/23 11:30
880-28483-29	AH-5 (1')	Solid	05/12/23 16:00	05/16/23 11:30
880-28483-30	AH-5 (1.5')	Solid	05/12/23 16:15	05/16/23 11:30
880-28483-31	AH-5 (2.5')	Solid	05/12/23 16:30	05/16/23 11:30
880-28483-32	AH-5 (3.5')	Solid	05/12/23 16:45	05/16/23 11:30
880-28483-33	AH-5 (4.5')	Solid	05/12/23 17:00	05/16/23 11:30

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Analysis Request of Chain of Custody Record

Page _____ of _____



Tetra Tech, Inc.

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



880-28483 Chain of Custody

28483

Client Name: EOG Resources
Site Manager: Brittany Long
Project Name: Stark 33 Water Release #2
Contact Info: brittany_long@tetratech.com
Project Location (state): Eddy County, NM
Project #: 212C-MD-03075
Invoice to: Todd Wells
Receiving Laboratory: Eurofins Xenco Laboratories
Sampler Signature: Ivan Ramos
Comments:

ANALYSIS REQUEST (Circle or Specify Method No.)

TPH TX1005 (Ex to C35)	X
TPH 8015M (GRO - DRO - ORO)	X
PAH 8270C	X
Total Metals Ag As Ba Cd Cr Pb Se Hg	X
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	X
TCLP Volatiles	X
TCLP Semi Volatiles	X
FCl	X
G/CMS Vol 8260B / 624	X
G/CMS Semi Vol 8270C/625	X
PCBs 8082 / 608	X
NORM	X
PLM (Asbestos)	X
Chloride 300 0	X
Chloride Sulfate TDS	X
General Water Chemistry (see attached list)	X
Anion/Cation Balance	X
Asbestos	X

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION		SAMPLING		MATRIX			PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)
	DATE	TIME	YEAR	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE		
	H-1 (1')	5/12/2023	8:45	5/12/2023		X			X		1	
	H-2 (1')	5/12/2023	9:00	5/12/2023		X			X		1	
	H-3 (1')	5/12/2023	9:15	5/12/2023		X			X		1	
	H-4 (1')	5/12/2023	9:30	5/12/2023		X			X		1	
	H-5 (1')	5/12/2023	9:45	5/12/2023		X			X		1	
	H-6 (1')	5/12/2023	10:00	5/12/2023		X			X		1	
	H-7 (1')	5/12/2023	10:15	5/12/2023		X			X		1	
	H-8 (1')	5/12/2023	10:30	5/12/2023		X			X		1	
	AH-1 (1')	5/12/2023	10:45	5/12/2023		X			X		1	
	AH-1 (1 5')	5/12/2023	11:00	5/12/2023		X			X		1	

REMARKS:

LAB USE ONLY

Standard
 RUSH Same Day 24 hr 48 hr 72 hr
 Rush Charges Authorized
 Special Report Limits or TRRP Report

Sample Temperature: 50.2
 5.3/150

Received by: Ivan Ramos 5-16-23 11:30AM
 Received by: [Signature] 5/16/23 11:30
 Received by: [Signature]

ORIGINAL COPY



Analysis Request of Chain of Custody Record

Page of



Tetra Tech, Inc.

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

20403

Client Name EOG Resources **Site Manager** Brittany Long

Project Name Stark 33 Water Release #2 **Contact Info** brittany_long@tetratech.com

Project Location (state) Eddy County, NM **Project #** 212C-MD-03075

Invoice to Todd Wells

Receiving Laboratory Eurofins Xenco Laboratories **Sampler Signature** Ivan Ramos

Comments

ANALYSIS REQUEST (Circle or Specify Method No.)

<input type="checkbox"/>	Hold
<input type="checkbox"/>	Asbestos
<input type="checkbox"/>	Anion/Cation Balance
<input type="checkbox"/>	General Water Chemistry (see attached list)
<input type="checkbox"/>	Chloride Sulfate TDS
<input type="checkbox"/>	Chloride 300 0
<input checked="" type="checkbox"/>	PLM (Asbestos)
<input type="checkbox"/>	NORM
<input type="checkbox"/>	PCBs 8082 / 608
<input type="checkbox"/>	GC/MS Semi Vol 8270C/625
<input type="checkbox"/>	GC/MS Vol 8260B / 624
<input type="checkbox"/>	HCl
<input type="checkbox"/>	TCLF Semi Volatiles
<input type="checkbox"/>	TCLF Volatiles
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg
<input type="checkbox"/>	PAH 8270C
<input checked="" type="checkbox"/>	TPH 8015M (GRO DFO ORO)
<input checked="" type="checkbox"/>	TPH TX1005 (EX to C35)
<input checked="" type="checkbox"/>	BTEX 8021B

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION		SAMPLING		MATRIX			PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)
	DATE	TIME	YEAR	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE		
	AH-1 (2 5)	11 15	5/12/2023			X	X	X	X	X	1	
	AH-1 (3 5)	11 30	5/12/2023			X	X	X	X	X	1	
	AH-1 (4 5)	11 45	5/12/2023			X	X	X	X	X	1	
	AH-2 (1')	12 00	5/12/2023			X	X	X	X	X	1	
	AH-2 (1 5)	12 30	5/12/2023			X	X	X	X	X	1	
	AH-2 (2 5)	12 45	5/12/2023			X	X	X	X	X	1	
	AH-2 (3 5)	13:00	5/12/2023			X	X	X	X	X	1	
	AH-2 (4 5)	13 15	5/12/2023			X	X	X	X	X	1	
	AH-3 (1')	13 30	5/12/2023			X	X	X	X	X	1	
	AH-3 (1 5)	13 45	5/12/2023			X	X	X	X	X	1	

Relinquished by *Ivan Ramos* **Date** 5-16-23 **Time** 11:30 AM

Received by *Brittany Long* **Date** 5/16/23 **Time** 11:30

Relinquished by _____ **Date** _____ **Time** _____

Received by _____ **Date** _____ **Time** _____

LAB USE ONLY

Sample Temperature _____

RUSH Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRAP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

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Analysis Request of Chain of Custody Record

Page of



Tetra Tech, Inc.

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

20483

Client Name EOG Resources **Site Manager** Brittany Long

Project Name Stark 33 Water Release #2 **Contact Info** brittany_long@tetratech.com

Project Location (county, state) Eddy County, NM **Project #** 212C-MD-03075

Invoice to Todd Wells

Receiving Laboratory Eurofins Xenco Laboratories **Sampler Signature** Ivan Ramos

Comments

ANALYSIS REQUEST (Circle or Specify Method No.)

TPH TX1005 (Ex to C35)	X
TPH 8015M (GRO DRO ORO)	X
PAH 8270C	X
Total Metals Ag As Ba Cd Cr Pb Se Hg	X
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	X
TCLP Volatiles	X
TCLP Semi Volatiles	X
FCI	X
G/MS Vol 8260B / 624	X
G/MS Semi Vol 8270C/625	X
PCBs 8082 / 608	X
NORM	X
PLM (Asbestos)	X
Chloride 300 0	X
Chloride Sulfate TDS	X
General Water Chemistry (see attached list)	X
Antion/Cation Balance	X
Asbestos	X

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION		SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)
	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE				
	AH-3 (2 5')	5/12/2023	14:00	X	X	X	X	X	1		
	AH-3 (3 5')	5/12/2023	14:15	X	X	X	X	X	1		
	AH-3 (4 5')	5/12/2023	14:30	X	X	X	X	X	1		
	AH-4 (1')	5/12/2023	14:45	X	X	X	X	X	1		
	AH-4 (1 5')	5/12/2023	15:00	X	X	X	X	X	1		
	AH-4 (2 5')	5/12/2023	15:15	X	X	X	X	X	1		
	AH-4 (3 5')	5/12/2023	15:30	X	X	X	X	X	1		
	AH-4 (4 5')	5/12/2023	15:45	X	X	X	X	X	1		
	AH-5 (1')	5/12/2023	16:00	X	X	X	X	X	1		
	AH-5 (1 5')	5/12/2023	16:15	X	X	X	X	X	1		

Relinquished by: *Ivan Ramos* Date: 5-16-23 Time: 11:30 AM

Received by: *[Signature]* Date: 5/16/23 Time: 11:30

Relinquished 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



Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-28483-1
SDG Number: Eddy County, NM

Login Number: 28483

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 576375

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 576375
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2313637124
Incident Name	NAPP2313637124 STARK 33 FED COM #704H LAY FLAT LINE STRIKE @ N-04-26S-30E
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	STARK 33 FED COM #704H LAY FLAT LINE STRIKE
Date Release Discovered	05/05/2023
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Vehicular Accident Pipeline (Any) Produced Water Released: 15 BBL Recovered: 5 BBL Lost: 10 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 576375

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 576375
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

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	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Hadlie Stout Title: Environmental Representative II Email: Hadlie_stout@eogresources.com Date: 04/16/2026
--	--

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QUESTIONS, Page 3

Action 576375

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 576375
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 300 and 500 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 300 and 500 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	163
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	108
GRO+DRO (EPA SW-846 Method 8015M)	108
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	05/12/2023
On what date will (or did) the final sampling or liner inspection occur	01/18/2024
On what date will (or was) the remediation complete(d)	01/18/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 576375

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 576375
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	No impacted soil identified during assessment activities

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement	Name: Hadlie Stout Title: Environmental Representative II Email: Hadlie_stout@eogresources.com Date: 04/16/2026
--	--

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 576375

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 576375
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 576375

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 576375
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	576386
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/18/2024
What was the (estimated) number of samples that were to be gathered	10
What was the sampling surface area in square feet	1000

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	No impacted soil identified during assessment activities

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: Hadlie Stout Title: Environmental Representative II Email: Hadlie_stout@eogresources.com Date: 04/16/2026
--	--

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QUESTIONS, Page 7

Action 576375

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 576375
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 576375

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 576375
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #nAPP2313637124 STARK 33 FED COM #704H LAY FLAT LINE STRIKE, thank you. This Remediation Closure Report is approved.	4/20/2026