

SITE INFORMATION

Report Type: Work Plan nAPP2221974411 / nAPP2231934031

General Site Information:

Site:	Bronco Water Reuse Revelation Pond				
Company:	Solaris Water Midstream, LLC				
Section, Township and Range	Unit C	Sec. 14	T 24S	R 34E	
Lease Number:					
County:	Lea County				
GPS:	32.221155°			103.440331°	
Surface Owner:	Private				
Mineral Owner:					
Directions:	From intersection 128 and County Road 2-B, travel North on CR 2-B for 0.82 miles. Turn East on the lease road at the "T", follow for 1.35 miles staying right at the "Y". Location on the south side of the road.				

Release Data:

Date Released:	8.6.2022 / 10.18.2022
Type Release:	Produced Water
Source of Contamination:	Improperly Installed Line / Transfer Line Came Out of Pond
Fluid Released:	23,718 bbl / 150 bbl
Fluids Recovered:	0 bbl / 50 bbl

Official Communication:

Name:	Rob Kirk		Clair Gonzales
Company:	Solaris Water Midstream, LLC		Tetra Tech
Address:	907 Tradewinds Blvd,		901 West Wall Street
	Ste B		Suite 100
City:	Midland, Texas 79706		Midland, Texas
Phone number:	(469) 978-5620		(432) 682-4559
Fax:			
Email:	rob.kirk@ariswater.com		Clair.Gonzales@tetrattech.com

Site Characterization

Depth to Groundwater:	>55' below surface
Karst Potential:	Low

Recommended Remedial Action Levels (RRALs)

Benzene	Total BTEX	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	Chlorides
10 mg/kg	50 mg/kg	1,000 mg/kg	2,500 mg/kg	10,000 mg/kg



December 6, 2022

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

RE: Closure Report
Solaris Water Midstream, LLC (Solaris)
Bronco Water Reuse Revelation Pond
Lea County, New Mexico
nAPP2221974411
nAPP2231934031

Oil Conservation Division:

Tetra Tech, Inc. (Tetra Tech) was contacted by Solaris Water Midstream, LLC (Solaris) to assess a release that occurred at the Bronco Water Reuse Revelation Pond, Unit C, Section 14, Township 24 South, Range 34 East, Lea County, New Mexico (Site). The spill site coordinates are 32.221155°, -103.440331°. Following the initial release (nAPP2221974411), a third party caused a second release (nAPP2231934031) directly adjacent to the existing impact. The site location is shown on **Figures 1 and 2**.

Background

Initial Release

According to the State of New Mexico C-141 Initial Report, the release (nAPP2221974411) at the Bronco Water Reuse Revelation Pond was caused by an improperly installed line that discharges water to the bottom of the pond, causing the release of 23,718 bbls of produced water. The release flowed along the lease road and in the surrounding pasture, impacting an area of 1,730' in length and 5'-225' in width. No fluids were recovered. On August 6, 2022, the release was discovered. On August 7, 2022 the release was reported to the New Mexico Oil Conservation Division (NMOCD). The C-141 is shown in **Appendix A**.

Second Release

Following an initial scrape and assessment of the initial release, according to the State of New Mexico C-141 Initial Report, a second release (nAPP2231934031) was caused on October, 18, 2022 by a third party when a water transfer hose came out of the pond as they were transferring water into the pond, impacting an area of approximately 900 square feet. The impact is directly adjacent to the existing impact with no overlap. 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



watercourses, lakebeds, sinkholes, playa lakes, springs, wetlands, subsurface mines, private domestic water wells, or floodplains located within the specified distances. Additionally, the site is located in a low 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 mile radius of the Site. The well reported on the USGS National Water Information System reports a total depth of 93 ft bgs with water level measured at 63.15 ft bgs and is approximately 1.56 miles of the Site. The well reported on the NMOSE Water Rights Reporting System reports a total depth of 62 ft bgs and measured water level of 40 ft bgs and is approximately 0.86 miles of the Site. The groundwater information is shown in **Appendix B**.

Distance from Site	Date of Data	Resource of Information	Depth of Well	Depth to Water
0.49 Miles	4/27/1953	USGS	93'	63.15'
0.86 Miles	12/31/1916	NMOSE	62'	40'

Depth to Water Determination

On August 22, 2022, Scarborough Drilling, Inc was onsite to a drill a groundwater determination borehole to 55' below ground surface and within a ½ mile radius of the location. The borehole was left open for 72 hours and checked for the presence of groundwater. No water was detected in the borehole at 55' below surface. The borehole coordinates are 32.223436°, -103.449230°. The drilling log and borehole figure is shown in **Appendix B**.

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 beyond the top 4.0' of soil, for TPH is 1,000 mg/kg (GRO + DRO) and 2,500 mg/kg (GRO + DRO + ORO). Based on the site characterization, the proposed RRAL beyond the top 4.0' of soil, for chlorides is 10,000 mg/kg. Additionally, this site will follow the reclamation standards of 100 mg/kg for TPH and 600 mg/kg for chlorides for the top 4.0' of soil.



Immediate Response Activities

Following notification of the release from Solaris, Tetra Tech contacted SDR Enterprises (SDR) to initiate a one call to begin an initial scrape of the impacted soil to prevent migration of the contaminants. Tetra Tech and the contractor, SDR, were onsite from August 16 through August 22, 2022 conducting scraping activities. The impact was scraped to depths ranging from 0.5 ft bgs to 1.0 ft bgs. Approximately 2,595 cubic yards of soil was scraped and stockpiled on plastic onsite, and earthen berms were installed around the perimeter of the plastic around the stockpile to prevent potential migration of any contaminants due to water run off. The release footprint is shown on **Figure 3** and the scraped areas and depths are shown on **Figure 4**.

Site Assessment Activities

Tetra Tech conducted site assessment activities on August 22 through August 24, 2022, a total of eighteen (18) boreholes (BH-1 through BH-18) were installed to total depths ranging from 5.0 ft bgs to 30.0 ft bgs to attempt to assess and vertically delineate the impacted area. The borehole (BH-1) was installed with a hand auger due to the proximity to the pond and safety concerns. However, boreholes (BH-2 through BH-18) were installed using a truck mounted air rotary drilling rig. Additionally, a total of eleven (11) horizontals (H-1 through H-11) were installed with a hand auger to total depths of 1.0 ft bgs, to horizontally delineate the impact. The release footprint and sample locations are shown on **Figure 3** and **5**. The boring logs are included in **Appendix C**.

The samples were submitted to Eurofins Laboratories in Midland, Texas to be analyzed for TPH method 8015 modified, BTEX method 8021B, and Chloride by EPA Method 300.0. The analytical results are summarized in **Table 1** and the analytical laboratory reports are included in **Appendix D**.

Referring to Table 1, all boreholes (BH-1 through BH-18) indicated TPH and BTEX concentrations below RRALs. However, borehole (BH-9) indicated a chloride concentration above RRALs, with a concentration of 10,600 mg/kg, at a depth of 5.0 ft bgs. The remaining boreholes, except for borehole (BH-11), indicated chloride concentrations above the reclamation standards in the top 4.0 ft, with concentrations ranging from 616 mg/kg to 9,110 mg/kg, ranging from depths of surface and 4.0 ft bgs. The horizontals (H-1 through H-11) indicated TPH, BTEX, and chloride concentrations below the RRALs and reclamation standards. Additionally, vertical and horizontal delineation were found during assessment activities.

Work Plan

Based on the C-141 (nAPP2221974411) and information provided by Solaris, 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 groundwater data found during research activities, and the groundwater determination bore that was installed, the RRALs of 10,000 mg/kg for chlorides, 1,000 mg/kg for TPH (DRO + GRO), and 2,500 mg/kg for total TPH will be followed for soil beyond the top 4.0 ft of soil. Additionally, this site will follow the reclamation standards of 100 mg/kg for TPH and 600 mg/kg for chlorides for the top 4.0' of soil. Based on Tetra Tech assessment activities, laboratory results indicate chloride concentrations in boreholes (BH-1 through BH-10, and BH-12 through BH-18) exceed reclamation standards in the top 4.0 ft of soil and require remediation. Additionally, the chloride concentration exceeded the RRALs borehole (BH-9) at the depth of 5.0 ft bgs.



Solaris proposes to remediate the soil in the area of borehole (BH-17) to 2.0 ft bgs, the area of boreholes (BH-1 through BH-8, BH-10, BH-12 through BH-16, and BH-18) to 4.0 ft bgs, and the area of borehole (BH-10) to 5.0 ft bgs. Approximately 16,695 cubic yards of soil in addition to the scraped soil, a total of 19,290 cubic yards, will be removed and treated onsite.

Confirmation Sampling Variance Request

Following excavation of the areas of impact, Tetra Tech will conduct confirmation sampling of the area by collecting 5-point composite confirmation bottom hole and sidewall samples from the excavation to ensure impact is fully removed. Based on the area of the release, approximately 129,449 square feet, Solaris requests a sample variance of 500 square feet, per NMAC Title 19, Chapter 15, Part 29, Section 12, Subsection D, Paragraph 1, Subparagraph c. The confirmation samples will be submitted to the laboratory to be analyzed for TPH method 8015 modified, BTEX method 8021B, and Chloride by EPA Method 300.0.

Soil Treatment

The impacted soil will be placed in treatment cells that are built and operated by RXSoil, Inc. (RXSoil). Each cell will treat approximately 5,000 cubic yards of soil at a time, the treatment consisting of freshwater, amendments, and treatment solution to remediate the chlorides in the soil. The treatment of the 19,290 cubic yards is estimated to take approximately 100 days. Following treatment, composite sampling at different depths will be collected every 150 cubic yards. Based on the laboratory data collected during site assessment activities, which did not show any TPH or BTEX concentrations of concern, Solaris requests that the composite samples collected from the treated soil only be analyzed for Chloride by EPA Method 300.0, to ensure the treated soil is below the reclamation standards of 600 mg/kg. Additionally, Tetra Tech will split samples and collect duplicates of 15%-20% of the RXSoil confirmation samples collected, per treatment cell, to ensure data is accurate and complete. Once samples are collected and reported to be below the reclamation standards, the soil will be removed from the treatment cells and used as backfill. The leachate from treatment activities will be recycled directly back into the Bronco Revelation Pond. Once all soil is treated and used as backfill, the cells will be deconstructed and dispersed through the backfill, and the infrastructure will be disposed of properly. The proposed remediation depths and treatment cells are shown on **Figure 6**.

Third Party Release

Solaris proposes to assess the second release (nAPP2231934031) during remediation activities by installing four (4) sample points within the impact and submitting the samples for delineation purposes prior to remediating the release. Additionally, approximately seven (7) horizontals will be collected directly outside of the impact from depths of surface to 1.0 ft bgs, to determine horizontal delineation. Following delineation, the release will be excavated based off of the laboratory data, per NMAC Title 19, Chapter 15, Part 29, Section 12, Table 1. Referring to NMAC Table 1, the most stringent RRALs will be followed for the top 4.0 ft of soil, RRALs for groundwater greater than 50 ft bgs will be followed for soil beyond 4.0 ft. Tetra Tech will conduct confirmation sampling of the area by collecting 5-point composite confirmation bottom hole and sidewall samples from the excavation, in accordance to the variance requested above, to ensure impact is fully removed. The removed impacted soil will be placed within the treatment cells along with the impacted soil removed from the initial release. The release extent is shown in **Figure 3**, and the proposed delineation sample locations are shown on **Figure 6**.



Reseeding Information

Reseeding will be performed in June 2023 to coincide with the rainy season in Southeastern New Mexico and aid in revegetation. Based on the soils at the site, the NMSLO Seed Mixture (L) for Loamy Sites will be used and will be planted in the amount specified in the pounds pure live seed (PLS) per acre. The seed mixture will be spread by a drill equipped with a depth regulator. The soils map and soil data are shown in **Appendix E**.

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

Respectfully submitted,
TETRA TECH

A handwritten signature in blue ink, appearing to read 'Brittany Long'.

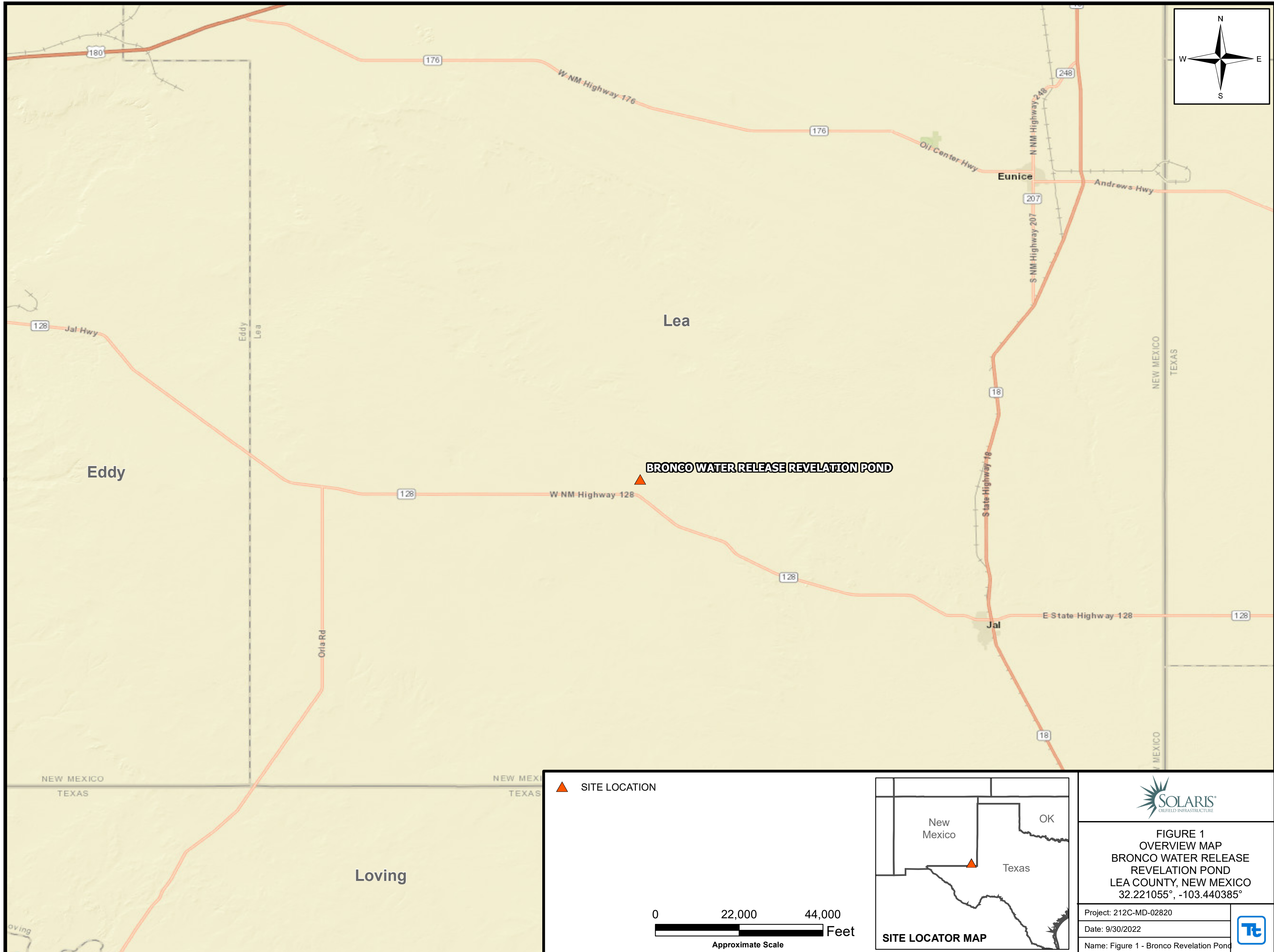
Brittany Long,
Project Manager

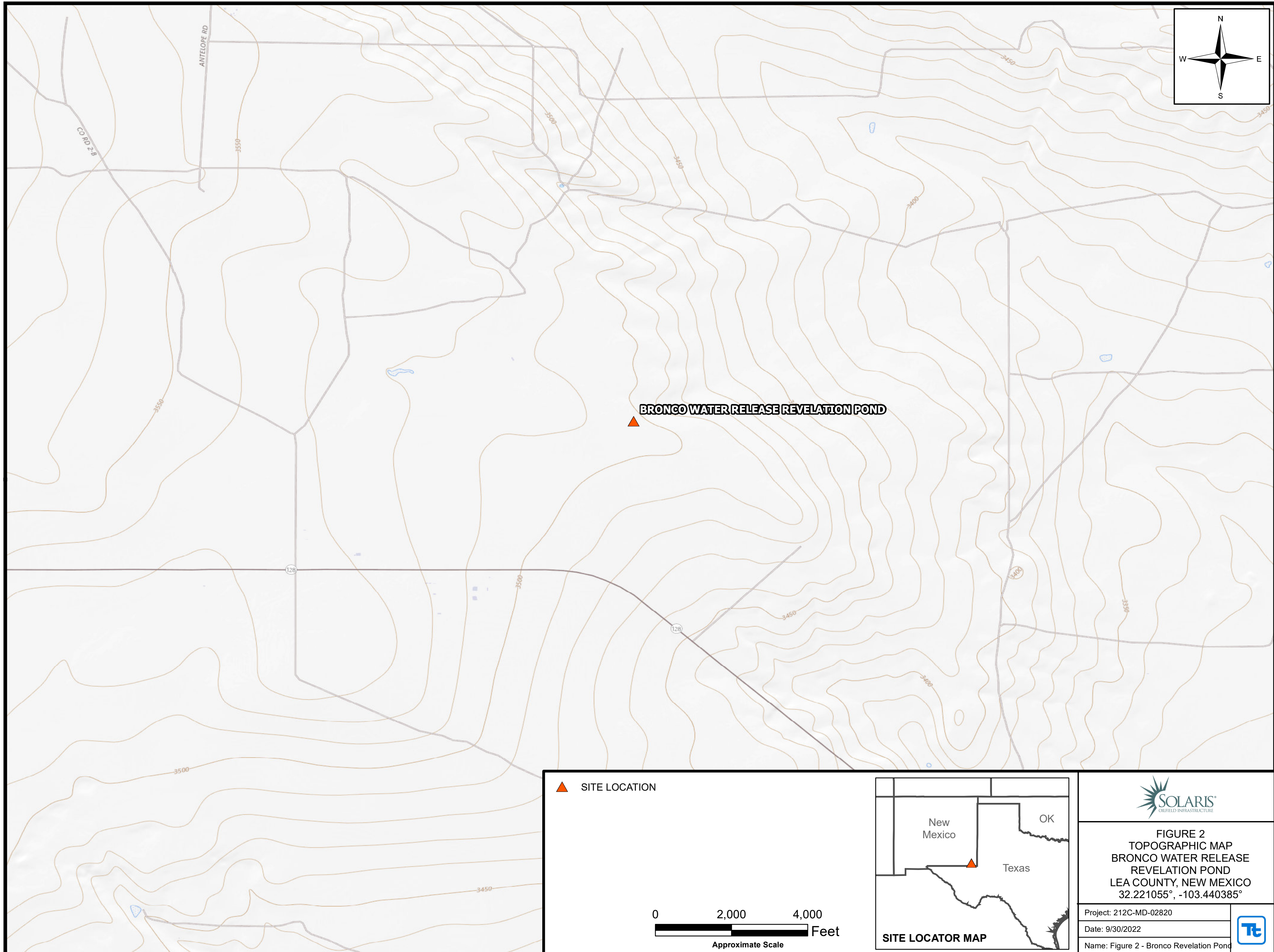
A handwritten signature in blue ink, appearing to read 'Clair Gonzales'.

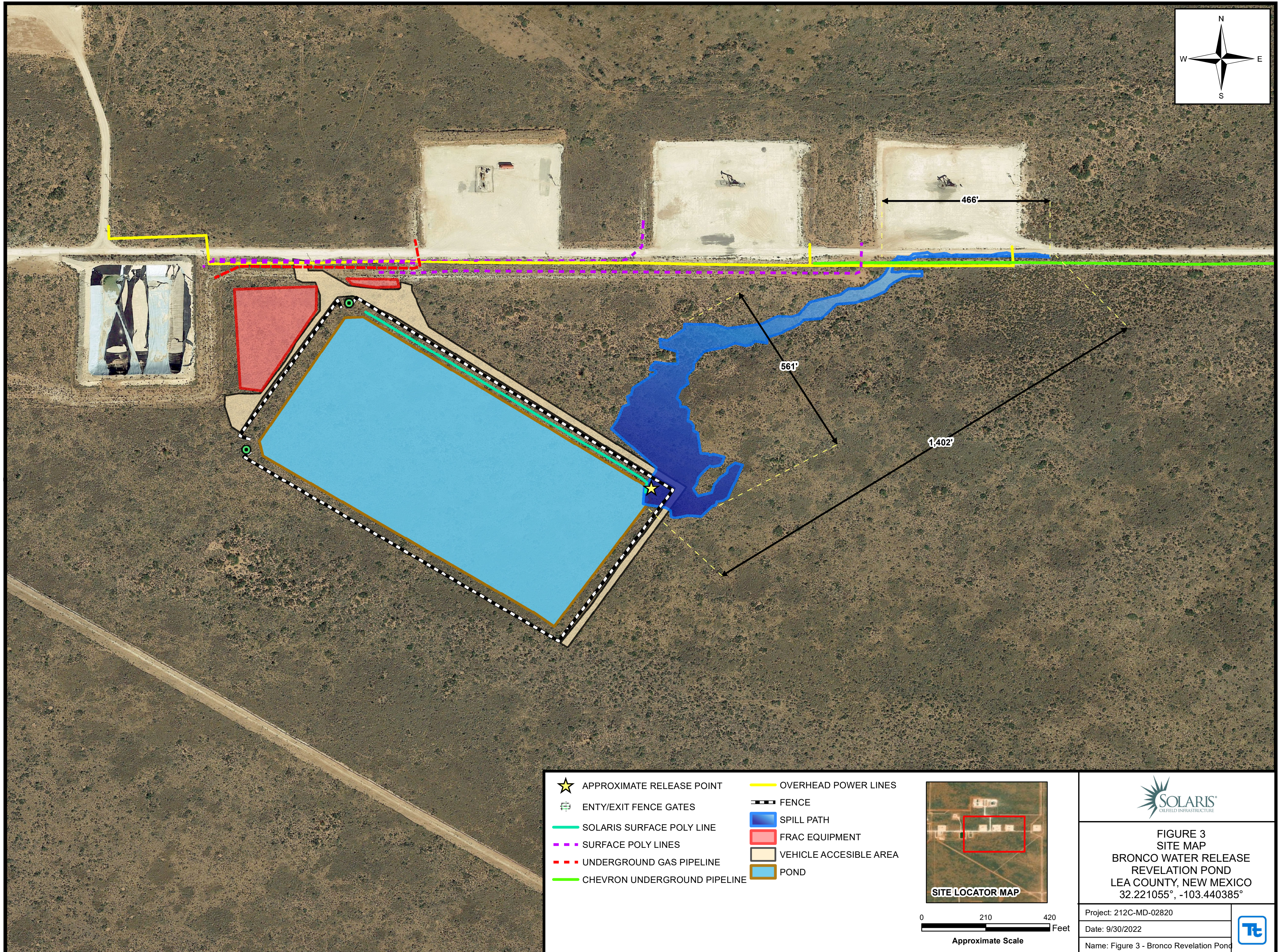
Clair Gonzales, P.G.
Senior Project Manager



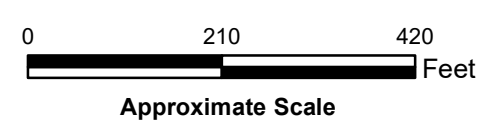
Figures







- ★ APPROXIMATE RELEASE POINT
- ⊞ ENTRY/EXIT FENCE GATES
- SOLARIS SURFACE POLY LINE
- - - SURFACE POLY LINES
- - - UNDERGROUND GAS PIPELINE
- - - CHEVRON UNDERGROUND PIPELINE
- OVERHEAD POWER LINES
- - - FENCE
- SPILL PATH
- FRAC EQUIPMENT
- VEHICLE ACCESSIBLE AREA
- POND

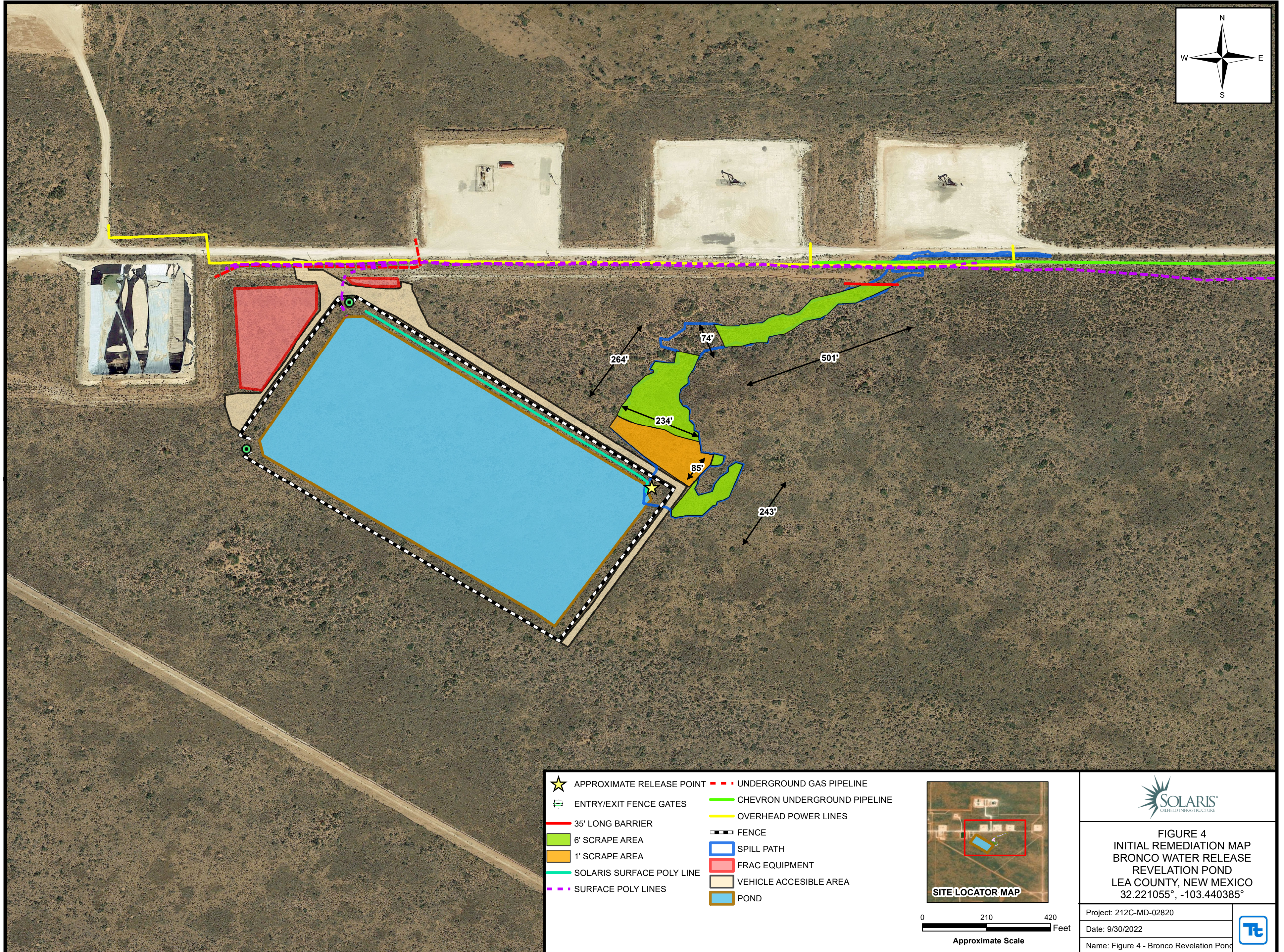


**FIGURE 3
SITE MAP
BRONCO WATER RELEASE
REVELATION POND
LEA COUNTY, NEW MEXICO
32.221055°, -103.440385°**

Project: 212C-MD-02820
Date: 9/30/2022
Name: Figure 3 - Bronco Revelation Pond



Service Layer Credits: Google Earth, 2021.
Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Service Layer Credits: Google Earth, 2021.
Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

SOLARIS
OILFIELD INFRASTRUCTURE

FIGURE 4
INITIAL REMEDIATION MAP
BRONCO WATER RELEASE
REVELATION POND
LEA COUNTY, NEW MEXICO
32.221055°, -103.440385°

Project: 212C-MD-02820
Date: 9/30/2022
Name: Figure 4 - Bronco Revelation Pond

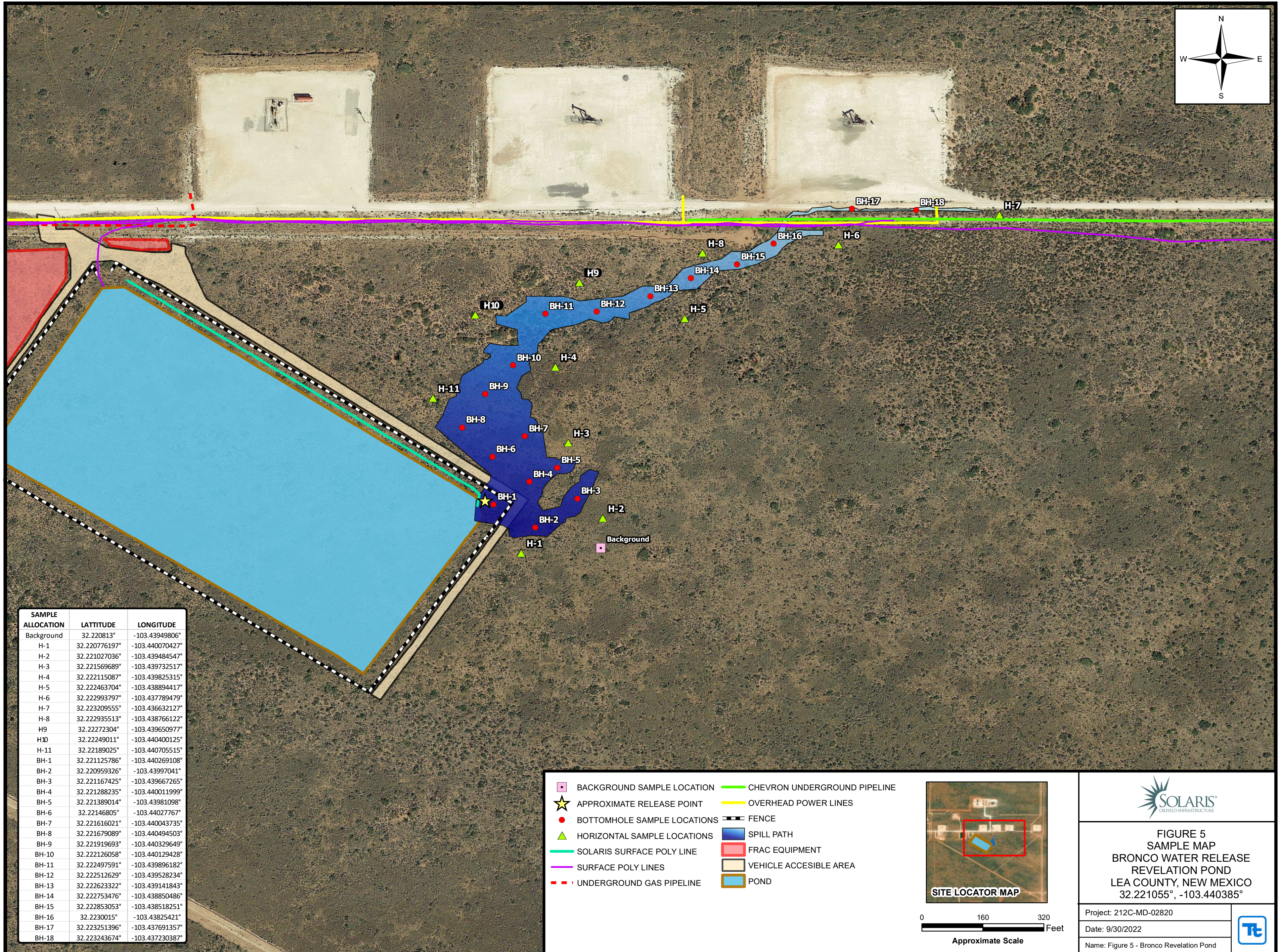
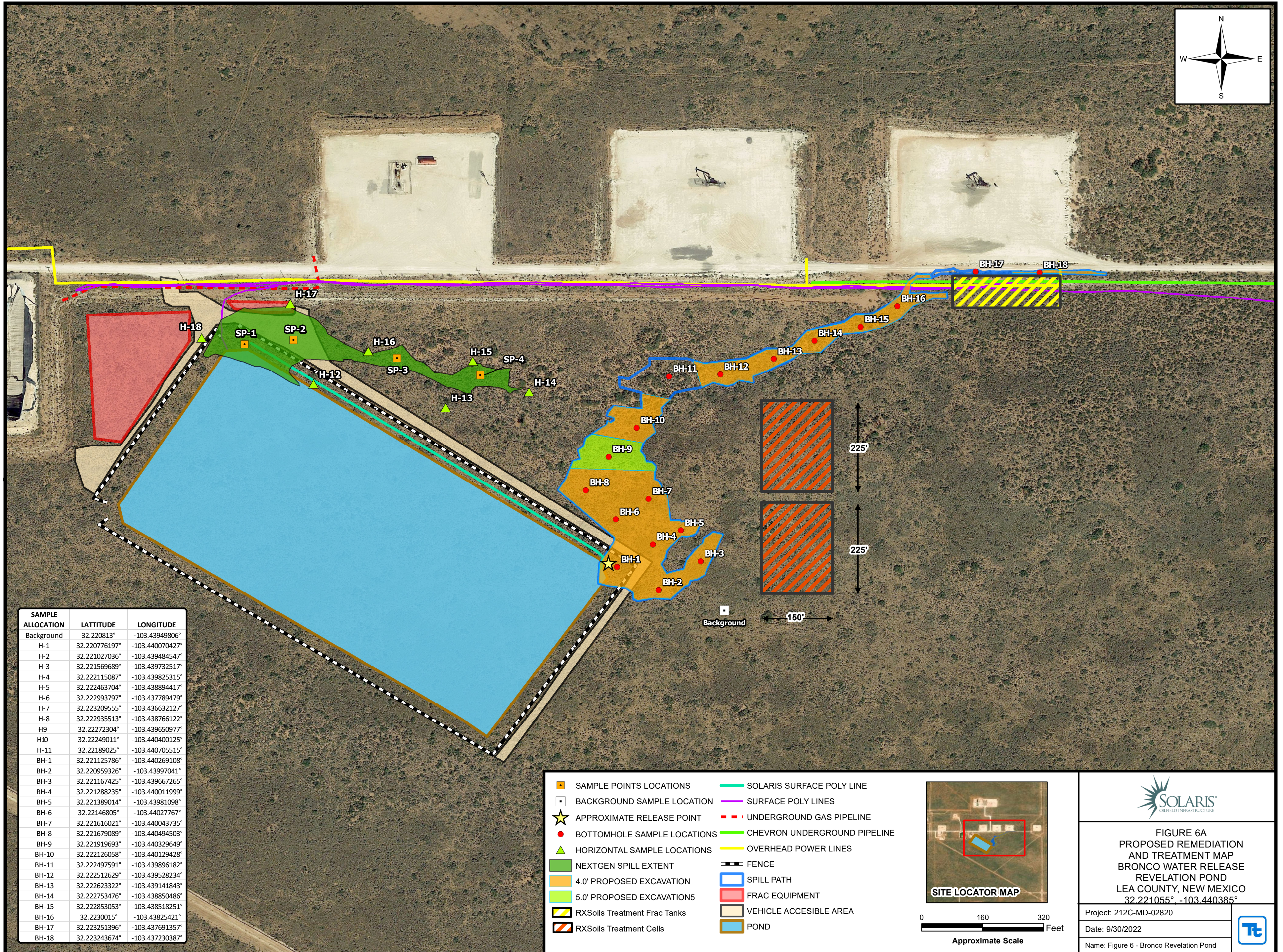


FIGURE 5
SAMPLE MAP
BRONCO WATER RELEASE
REVELATION POND
LEA COUNTY, NEW MEXICO
 32.221055°, -103.440385°

Project: 212C-MD-02820
 Date: 9/30/2022
 Name: Figure 5 - Bronco Revelation Pond



Service Layer Credits: Google Earth, 2021.
 Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Service Layer Credits: Google Earth, 2021.
 Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

SOLARIS
 OILFIELD INFRASTRUCTURE

FIGURE 6A
 PROPOSED REMEDIATION
 AND TREATMENT MAP
 BRONCO WATER RELEASE
 REVELATION POND
 LEA COUNTY, NEW MEXICO
 32.221055°, -103.440385°

Project: 212C-MD-02820
 Date: 9/30/2022
 Name: Figure 6 - Bronco Revelation Pond



Tables

Table 1
Solaris Water Midstream
Bronco Water Release Revelation Pond
Lea County, New Mexico

Sample ID	Sample Date	Excavation Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)	
			In-Situ	Removed	GRO	DRO	MRO	Total							
RRALs (Top 4.0' Soil)					100 mg/kg				10 mg/kg	50 mg/kg				600 mg/kg	
RRALs (Soil Beyond Top 4.0')					1,000 mg/kg				2,500 mg/kg	10 mg/kg	50 mg/kg				10,000 mg/kg
BH-1	8/24/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	7,000	
	8/24/2022	2'-3'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,880	
	8/24/2022	4'-5'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,510	
BH-2	8/24/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	4,650	
	8/24/2022	2'-3'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6,190	
	8/24/2022	4'-5'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	143	
	8/24/2022	6'-7'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	109	
	8/24/2022	9'-10'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	66.3	
	8/24/2022	14'-15'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	132	
BH-3	8/24/2022	19'-20'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	62.1	
	8/24/2022	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	4,140	
	8/24/2022	2'-3'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	5,280	
	8/24/2022	4'-5'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	304	
	8/24/2022	6'-7'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	138	
	8/24/2022	9'-10'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	78.3	
BH-4	8/24/2022	14'-15'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	104	
	8/24/2022	19'-20'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	93.6	
	8/24/2022	0-1	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	6,330	
	8/24/2022	2'-3'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	1,960	
	8/24/2022	4'-5'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	115	
	8/24/2022	6'-7'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	142	
BH-5	8/24/2022	9'-10'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	54.7	
	8/24/2022	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	7,430	
	8/24/2022	2'-3'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	6,090	
	8/24/2022	4'-5'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	400	
	8/24/2022	6'-7'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	138	
	8/24/2022	9'-10'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	137	
BH-6	8/24/2022	14'-15'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	164	
	8/24/2022	19'-20'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	63.6	
	8/24/2022	24'-25'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	329	
	8/24/2022	29'-30'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	31.3	
	8/24/2022	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	5,350	
	8/24/2022	2'-3'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	4,890	
BH-6	8/24/2022	4'-5'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	360	
	8/24/2022	6'-7'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	386	
	8/24/2022	9'-10'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	267	
	8/24/2022	14'-15'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	187	
	8/24/2022	19'-20'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	139	
	8/24/2022	24'-25'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	78.5	
	8/24/2022	29'-30'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	27.5	

Table 1
Solaris Water Midstream
Bronco Water Release Revelation Pond
Lea County, New Mexico

Sample ID	Sample Date	Excavation Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs (Top 4.0' Soil)					100 mg/kg				10 mg/kg	50 mg/kg			600 mg/kg	
RRALs (Soil Beyond Top 4.0')					1,000 mg/kg				2,500 mg/kg	10 mg/kg	50 mg/kg			10,000 mg/kg
BH-7	8/23/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	3,210
	8/23/2022	2'-3'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	7,780
	8/23/2022	4'-5'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	1,250
	8/23/2022	6'-7'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	176
	8/23/2022	9'-10'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	110
	8/23/2022	14'-15'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	62.7
	8/23/2022	19'-20'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	119
8/23/2022	24'-25'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	80.8	
8/23/2022	29'-30'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	53.1	
BH-8	8/24/2022	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	4,540
	8/24/2022	2'-3'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	9,110
	8/24/2022	4'-5'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	3,710
	8/24/2022	6'-7'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,150
	8/24/2022	9'-10'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	306
	8/24/2022	14'-15'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	180
8/24/2022	19'-20'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	116	
BH-9	8/23/2022	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	5,050
	8/23/2022	2'-3'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	6,560
	8/23/2022	4'-5'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10,600
	8/23/2022	6'-7'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,330
	8/23/2022	9'-10'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	995
	8/23/2022	14'-15'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	109
	8/23/2022	19'-20'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	38.5
	8/23/2022	24'-25'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	40.5
8/23/2022	29'-30'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	43.4	
BH-10	8/23/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	3,090
	8/23/2022	2'-3'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5,660
	8/23/2022	4'-5'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5,000
	8/23/2022	6'-7'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	621
	8/23/2022	9'-10'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	528
	8/23/2022	14'-15'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	593
	8/23/2022	19'-20'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	86.1
	8/23/2022	24'-25'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	48.3
	8/23/2022	29'-30'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	63.5
BH-11	8/23/2022	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	0.00299	<0.00202	<0.00403	<0.00403	380
	8/23/2022	2'-3'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	77.5
	8/23/2022	4'-5'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	0.00251	<0.00200	<0.00399	<0.00399	111
	8/23/2022	6'-7'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	35.8
	8/23/2022	9'-10'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	53.8
	8/23/2022	14'-15'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	0.00282	<0.00199	<0.00398	<0.00398	110
	8/23/2022	19'-20'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	170
	8/23/2022	24'-25'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	34.2
	8/23/2022	29'-30'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	44.9

Table 1
Solaris Water Midstream
Bronco Water Release Revelation Pond
Lea County, New Mexico

Sample ID	Sample Date	Excavation Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs (Top 4.0' Soil)					100 mg/kg				10 mg/kg	50 mg/kg			600 mg/kg	
RRALs (Soil Beyond Top 4.0')					1,000 mg/kg				2,500 mg/kg	10 mg/kg	50 mg/kg			10,000 mg/kg
BH-12	8/23/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	2,870
	8/23/2022	2'-3'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	7,920
	8/23/2022	4'-5'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	7,340
	8/23/2022	6'-7'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	3,220
	8/23/2022	9'-10'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	0.00261	<0.00199	<0.00398	<0.00398	1,850
	8/23/2022	14'-15'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	686
	8/23/2022	19'-20'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	620
	8/23/2022	24'-25'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	194
8/23/2022	29'-30'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	81.2	
BH-13	8/23/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,920
	8/23/2022	2'-3'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,870
	8/23/2022	4'-5'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	3,660
	8/23/2022	6'-7'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	6,330
	8/23/2022	9'-10'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,600
	8/23/2022	14'-15'	X	-	<50.0	<50.0	<50.0	<50.0	0.0107	0.00710	0.00372	0.0175*+	0.0390	300
	8/23/2022	19'-20'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	171
	8/23/2022	24'-25'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	220
8/23/2022	29'-30'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	200	
BH-14	8/22/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,770
	8/22/2022	2'-3'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,440
	8/22/2022	4'-5'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,780
	8/22/2022	6'-7'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	3,640
	8/22/2022	9'-10'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	6,750
	8/22/2022	14'-15'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,580
	8/22/2022	19'-20'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	718
	8/22/2022	24'-25'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	591
8/22/2022	29'-30'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	168	
BH-15	8/22/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	32.3
	8/22/2022	2'-3'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,340
	8/22/2022	4'-5'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	4,190
	8/22/2022	6'-7'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5,720
	8/22/2022	9'-10'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	9,550
	8/22/2022	14'-15'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	459
	8/22/2022	19'-20'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	547
	8/22/2022	24'-25'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	280
8/22/2022	29'-30'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	160	

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Solaris Water Midstream
Bronco Water Release Revelation Pond
Lea County, New Mexico

Sample ID	Sample Date	Excavtion Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	Total						
RRALs (Top 4.0' Soil)					100 mg/kg				10 mg/kg	50 mg/kg			600 mg/kg	
RRALs (Soil Beyond Top 4.0')					1,000 mg/kg				2,500 mg/kg	10 mg/kg	50 mg/kg			10,000 mg/kg
BH-16	8/22/2022	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,420
	8/22/2022	2'-3'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	2,960
	8/22/2022	4'-5'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5,710
	8/22/2022	6'-7'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	4,700
	8/22/2022	9'-10'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	4,080
	8/22/2022	14'-15'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	470
	8/22/2022	19'-20'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	495
8/22/2022	24'-25'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	214	
8/22/2022	29'-30'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	0.667	
BH-17	8/24/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	3,370
	8/24/2022	2'-3'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	450
	8/24/2022	4'-5'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	76.9
	8/24/2022	6'-7'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	13.4
8/24/2022	9'-10'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	135	
BH-18	8/24/2022	0-1	X	-	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	40.0
	8/24/2022	2'-3'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	616
	8/24/2022	4'-5'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	2,250
	8/24/2022	6'-7'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	102
	8/24/2022	9'-10'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	54.1
BG-1	8/24/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	10.5
	8/24/2022	2'-3'	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	10.2
	8/24/2022	4'-5'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8.60
H-1	8/23/2022	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	27.1
H-2	8/23/2022	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	0.00404	<0.00200	<0.00401	0.00404	10.3
H-3	8/23/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	10.3
H-4	8/23/2022	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	0.00398	<0.00200	<0.00399	<0.00399	9.86
H-5	8/23/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	0.00375	<0.00200	<0.00401	<0.00401	13.0
H-6	8/23/2022	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	0.00317	<0.00199	<0.00398	<0.00398	9.44
H-7	8/23/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	0.0140	<0.00200	<0.00399	0.0140	11.2
H-8	8/23/2022	0-1	X	-	<49.8	<49.8	<49.8	<49.8	<0.00201	0.00829	<0.00201	<0.00402	0.00829	11.4
H-9	8/23/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	0.00526	<0.00201	<0.00402	0.00526	9.74
H-10	8/23/2022	0-1	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	0.00416	<0.00200	<0.00400	0.00416	11.0
H-11	8/23/2022	0-1	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	0.00694	<0.00199	<0.00398	0.00694	8.19

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

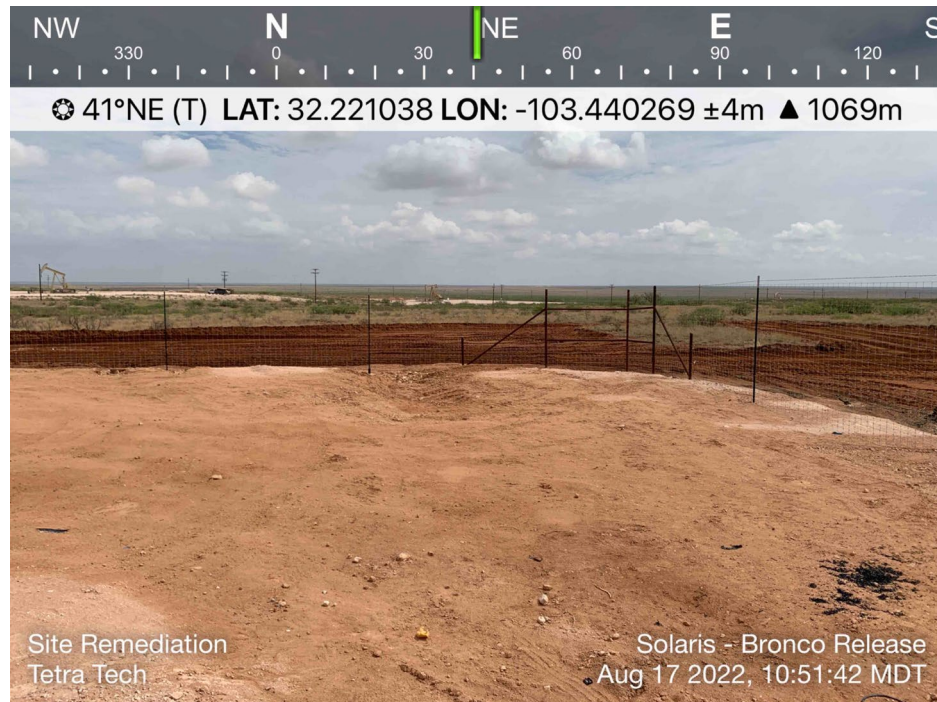
Solaris Water Midstream
Bronco Water Reuse Revelation Pond
Lea County, New Mexico



TETRA TECH



View of Release Area – View West



View of Release Area – View Northeast

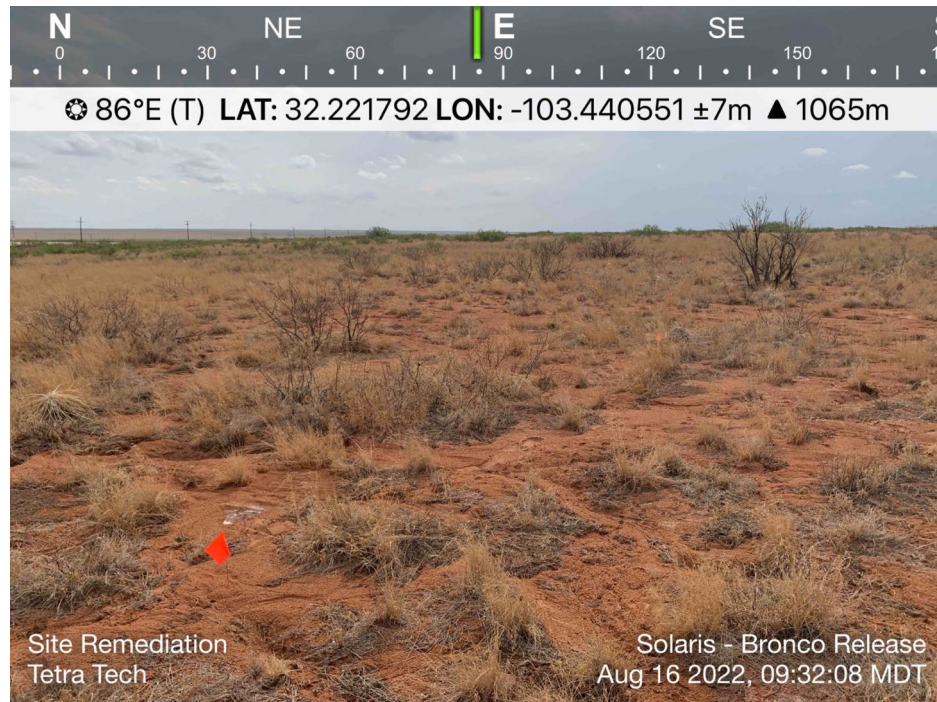
Solaris Water Midstream
Bronco Water Reuse Revelation Pond
Lea County, New Mexico



TETRA TECH



View of Impact – View North



View of Impact – View East

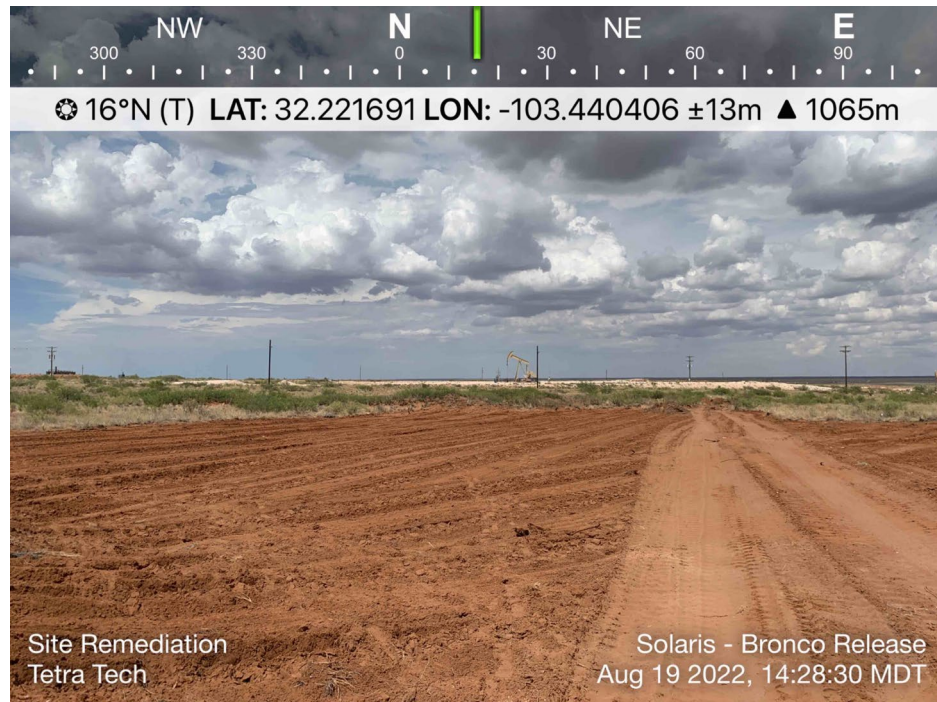
Solaris Water Midstream
Bronco Water Reuse Revelation Pond
Lea County, New Mexico



TETRA TECH



View of Initial Remediation Activities – View Northeast

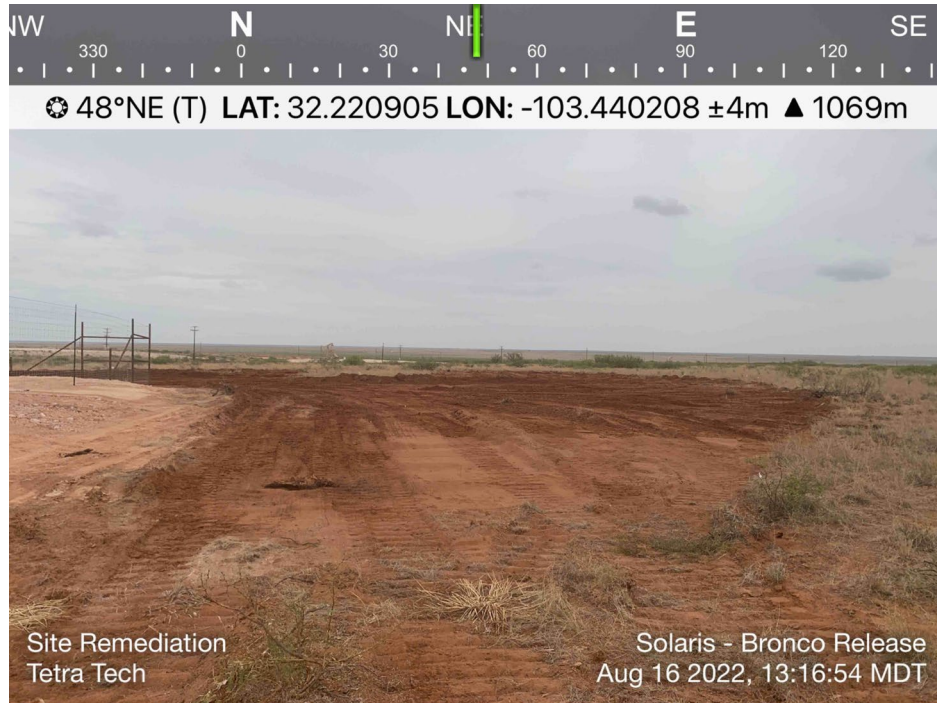


View of Initial Remediation Activities – View North

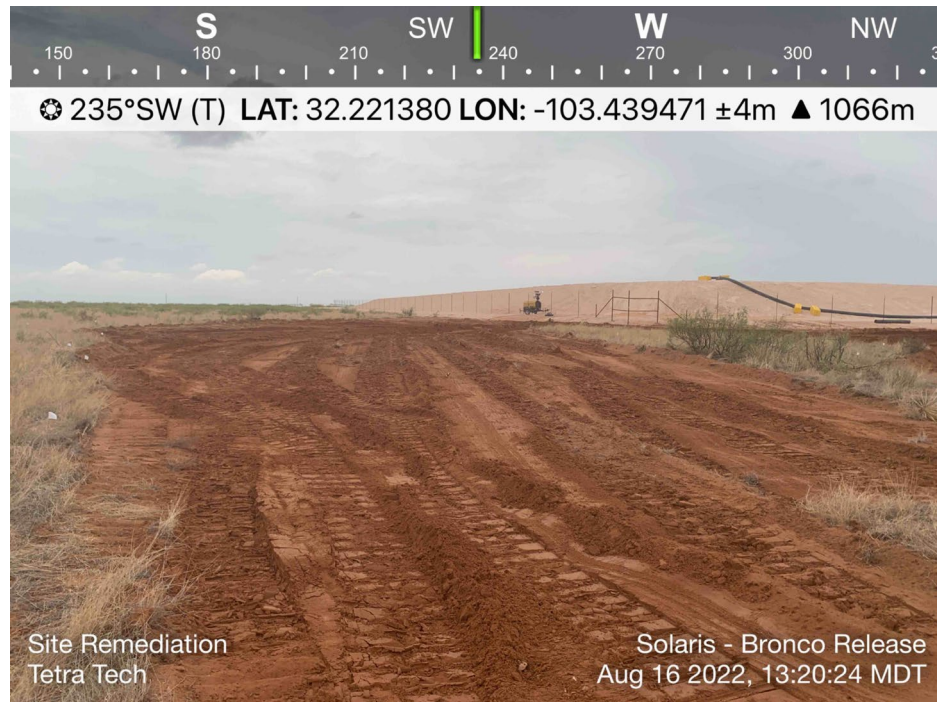
Solaris Water Midstream
Bronco Water Reuse Revelation Pond
Lea County, New Mexico



TETRA TECH



View of Initial Remediation Activities – View Northeast



View of Initial Remediation Activities – View Southwest

Solaris Water Midstream
Bronco Water Reuse Revelation Pond
Lea County, New Mexico



TETRA TECH



View of Initial Remediation Activities – View East

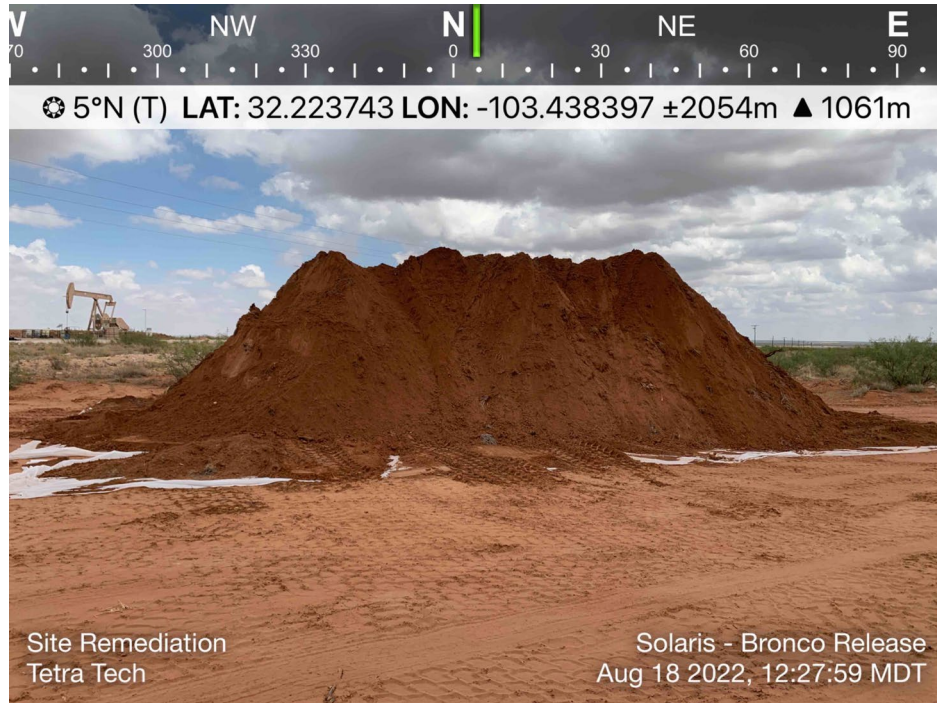


View of Initial Remediation Activities – View South

Solaris Water Midstream
Bronco Water Reuse Revelation Pond
Lea County, New Mexico



TETRA TECH



View of Stockpile – View North



Appendix A

C-141 Document

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input 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

State of New Mexico
Oil Conservation Division

Page 2

Incident ID	
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 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 type="checkbox"/> The source of the release has been stopped. <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input 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: _____ Title: _____ Signature:  _____ Date: _____ email: _____ Telephone: _____
<u>OCD Only</u> Received by: <u>Jocelyn Harimon</u> Date: <u>12/14/2022</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.

State of New Mexico
Oil Conservation Division

Page 4

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: Jocelyn Harimon Date: 12/14/2022

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan


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

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

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

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: _____ Title: _____
 Signature:  _____ Date: _____
 email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 12/14/2022

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

District I
 1625 N. French Dr., Hobbs, NM 88240
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District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 131922

QUESTIONS

Operator: SOLARIS WATER MIDSTREAM, LLC 907 Tradewinds Blvd, Suite B Midland, TX 79706	OGRID: 371643
	Action Number: 131922
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all of the questions in this group.</i>	
Site Name	Bronco Water Reuse Revelation Pond
Date Release Discovered	08/06/2022
Surface Owner	Private

Incident Details	
<i>Please answer all of 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
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: Equipment Failure Pit (Specify) Produced Water Released: 23,718 BBL Recovered: 0 BBL Lost: 23,718 BBL]
Is the concentration of dissolved 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)	After investigation, it appears that during completion of a pond liner repair, a section of pipe that discharges water to the bottom of the pond was not properly reinstalled. Consequently, when pumps were started during the evening / night shift to begin adding water to the pond, the section of pipe at the inlet of the pond began to move from the pressure of water coming through the pipe and water was released outside of the pond.

State of New Mexico
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QUESTIONS (continued)

Operator: SOLARIS WATER MIDSTREAM, LLC 907 Tradewinds Blvd, Suite B Midland, TX 79706	OGRID: 371643
	Action Number: 131922
	Action Type: [NOTIFY] Notification Of Release (NOR)

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 19.15.29.7(A) NMAC	Yes, major release.
Reasons why this would be considered a submission for a notification of a major release	<ul style="list-style-type: none"> Unauthorized release of a volume, excluding gases, of 25 barrels or more
If YES, was immediate notice given to the OCD, by whom	Rob Kirk
If YES, was immediate notice given to the OCD, to whom	Hobbs and Artesia OCD offices
If YES, was immediate notice given to the OCD, when	08/07/2022
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	Call Hobbs Artesia offices, email, Web Portal

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	
<i>The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.</i>	
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	Water absorbed into surrounding soil.

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 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 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

ACKNOWLEDGMENTS

Action 131922

ACKNOWLEDGMENTS

Operator: SOLARIS WATER MIDSTREAM, LLC 907 Tradewinds Blvd, Suite B Midland, TX 79706	OGRID: 371643
	Action Number: 131922
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	I acknowledge the fact that 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.
<input checked="" type="checkbox"/>	I acknowledge the fact that, 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.

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

CONDITIONS

Action 131922

CONDITIONS

Operator: SOLARIS WATER MIDSTREAM, LLC 907 Tradewinds Blvd, Suite B Midland, TX 79706	OGRID: 371643
	Action Number: 131922
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
rkirk	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	8/7/2022

District I
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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	nAPP2231934031
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Solaris Water, LLC	OGRID 371643
Contact Name Rob Kirk	Contact Telephone O 432-203-9020 C 469-978-5620
Contact email rob.kirk@ariswater.com	Incident # (assigned by OCD)
Contact mailing address 907 Tradewinds Blvd., Ste B, Midland, TX 79706	

Location of Release Source

Latitude 32.22269 Longitude -103.44294
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Bronco Revelation Pond	Site Type Water Recycling
Date Release Discovered 10/18/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
C	14	24S	34E	Lea

Surface Owner: State Federal Tribal Private (Name: Quail Ranch LLC)

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"/> Produced Water	Volume Released (bbls) 150	Volume Recovered (bbls) 50
	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

NexGen Water Solutions, LLC had a water transfer hose come out of the pond as they report they were pigging the line pushing water back into the pond. Once discovered, the line pump was turned off stopping the release. The area impacted by the release was approximately 300 feet long by 1- 8 feet wide, totaling approximately 900 sq feet.

NexGen was working on behalf of Franklin Mountain Energy, LLC and Solaris Water, LLC. NexGen took responsibility for the release and then indicated they could not report the release as they lack an OGRID number and NMOCD would not provide them with this number for reporting purposes. After conversations with the OCD Artesia office, the OCD position was clarified regarding water transfer companies and reporting releases.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2231934031
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Approximatley 150 BBLs was released.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? NexGen took resposibility for the release. Upon clarification from the OCD Artesia office, Solaris reported the release via the NMOCD web portal and via submittal of form C-141.	

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>Rob Kirk</u> Title: <u>VP & GM, HSE & Compliance</u> Signature: <u></u> Date: <u>11/15/2022</u> email: <u>rob.kirk@ariswater.com</u> Telephone: <u>469-978-5620</u>
<u>OCD Only</u> Received by: _____ Date: _____

Incident ID	nAPP2231934031
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?	>55 _____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" 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	nAPP2231934031
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: Rob Kirk Title: VP & GM HSE & Compliance

Signature:  Date: 12/08/2022

email: Rob.Kirk@ariswater.com Telephone: (469) 978-5620

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2231934031
District RP	
Facility ID	
Application ID	

Remediation Plan

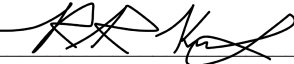
Remediation Plan Checklist: Each of the following items must be included in the plan.

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

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

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Rob Kirk Title: VP & GM HSE & Compliance
 Signature:  Date: 12/08/2022
 email: Rob.Kirk@ariswater.com Telephone: (469) 978-5620

OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature:  Date: 01/11/2023



Appendix B

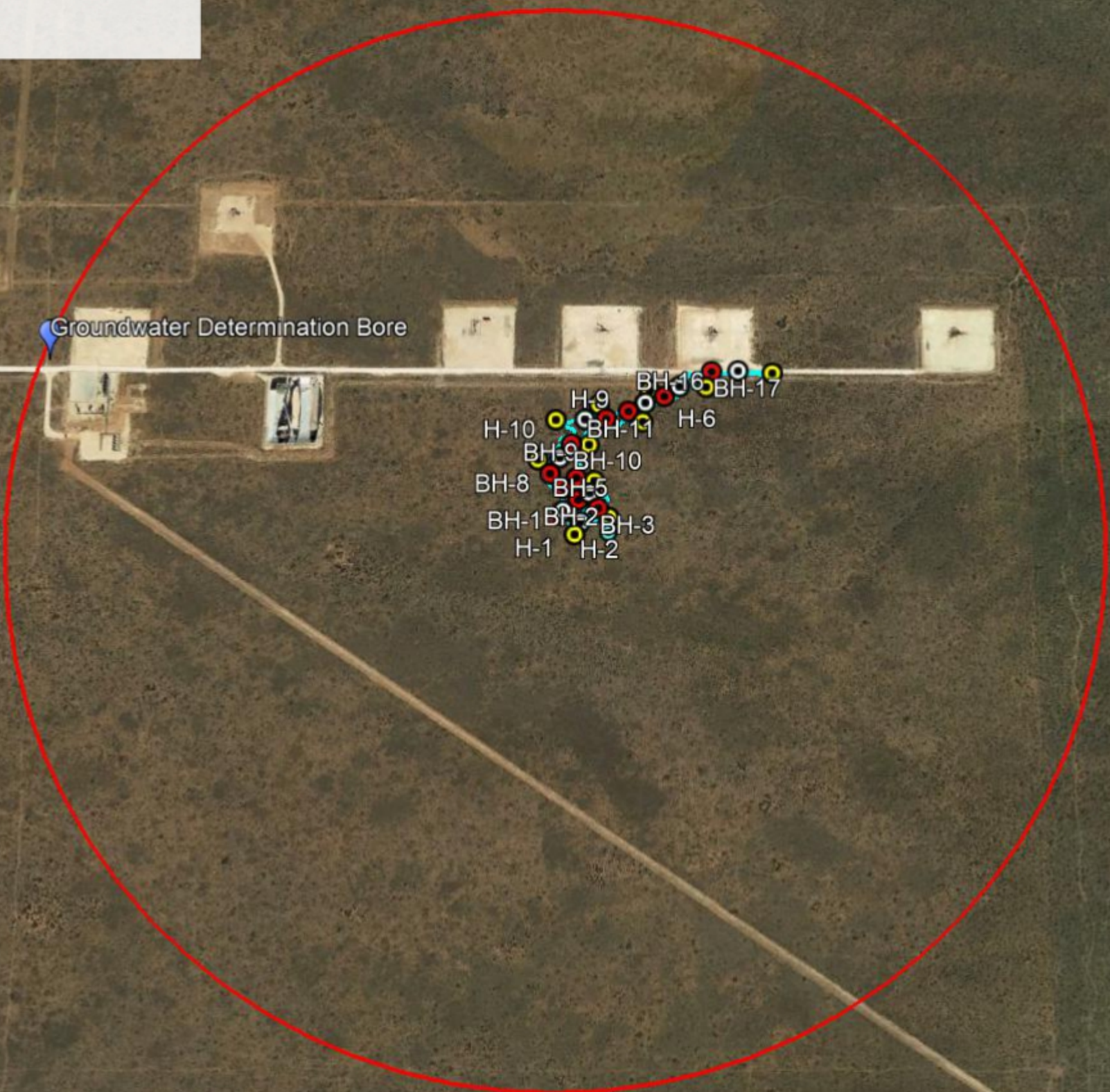
Site Characterization Documents

Groundwater Determination Bore Map

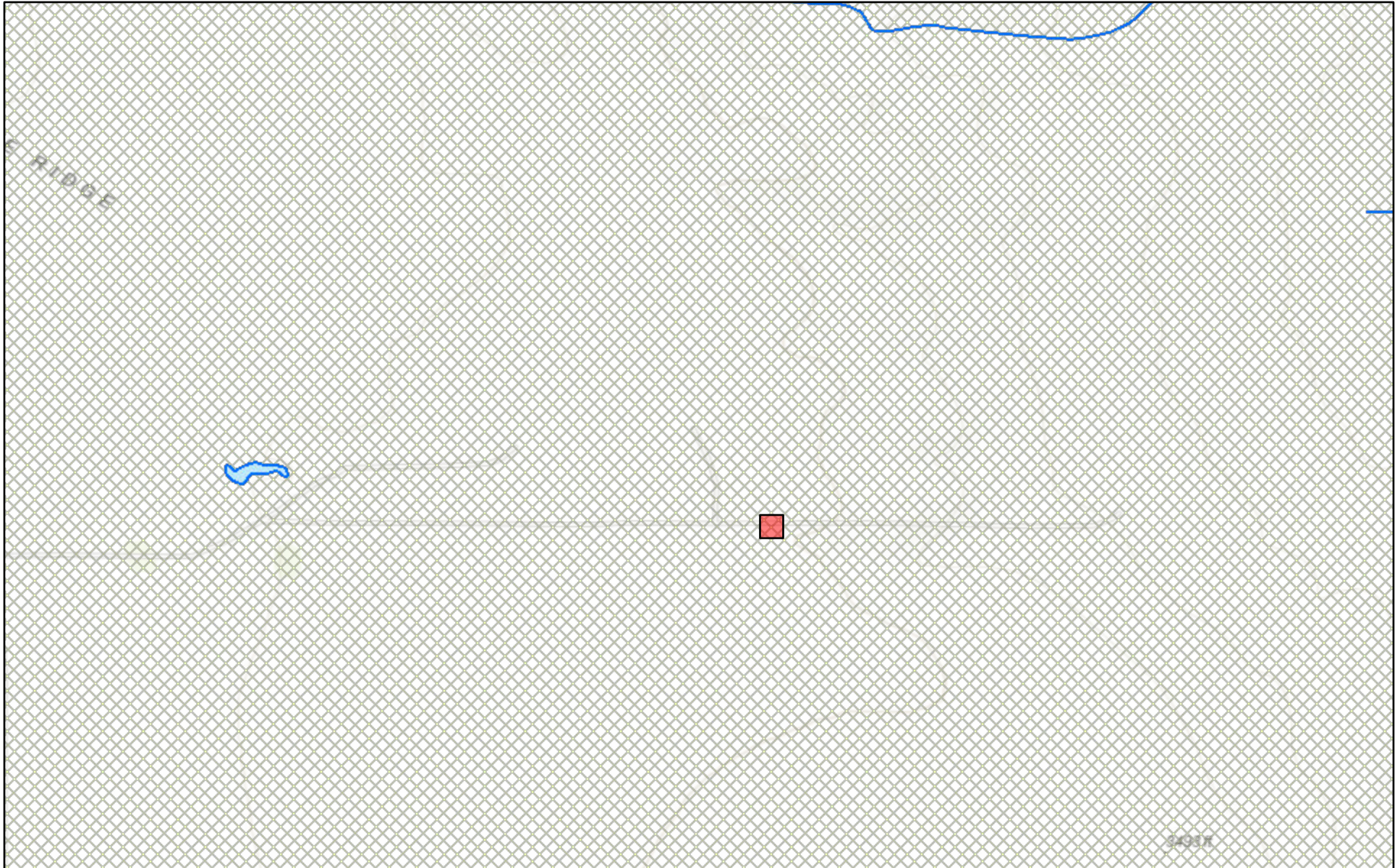
Solaris Water Midstream
Bronco Water Reuse Revelation Pond

Legend

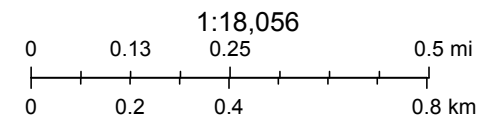
- 1/2 Mile Radius
- Approx. Release Point
- Background
- Boreholes
- Boreholes
- Groundwater Determination Bore
- Horizontal
- Observable Spill



New Mexico NFHL Data



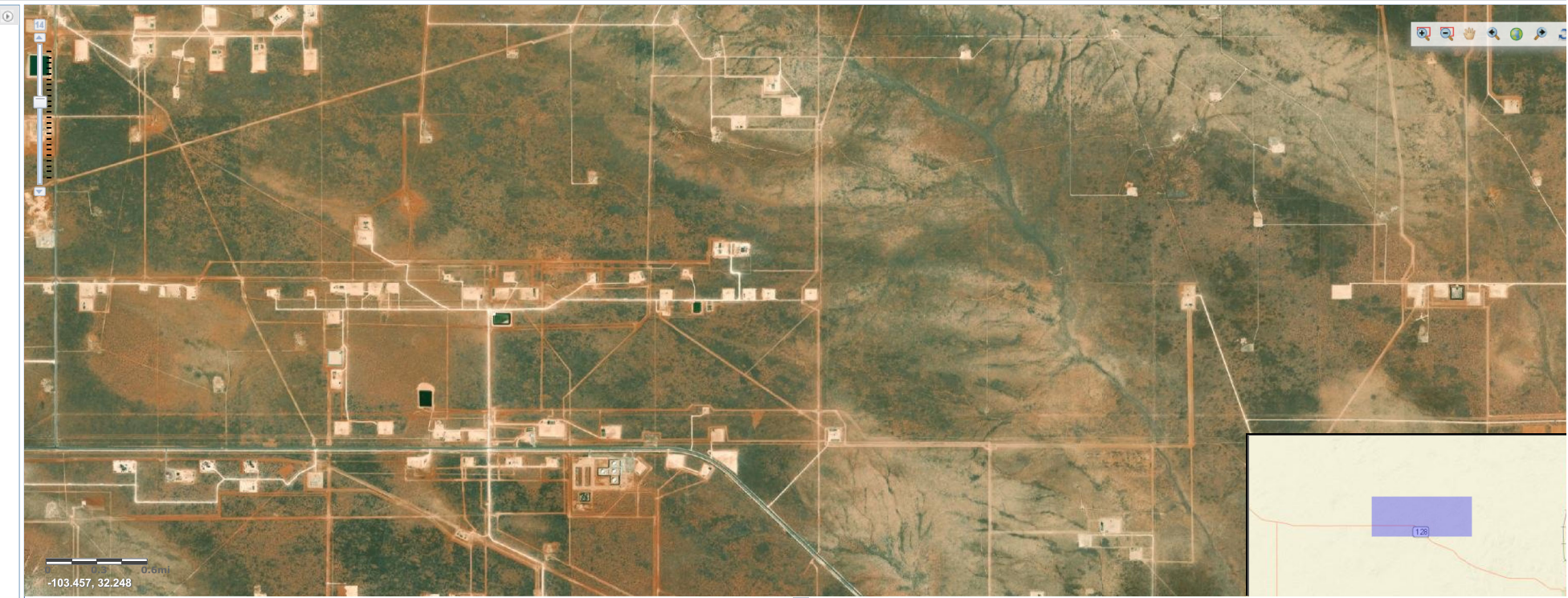
August 9, 2022



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

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Site Information



USGS Home
Contact USGS
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National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater Geographic Area: New Mexico

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 New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list = 321328103270601

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

USGS 321328103270601 24S.34E.10.42243

Lea County, New Mexico
Latitude 32°13'28", Longitude 103°27'06" NAD27
Land-surface elevation 3,514 feet above NAVD88
The depth of the well is 93 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) 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 measu
1953-04-27			D 62610		3449.23	NGVD29	1		Z	
1953-04-27			D 62611		3450.85	NAVD88	1		Z	
1953-04-27			D 72019	63.15			1		Z	

Explanation

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

8/9/22, 10:03 PM

Section	Code	Description
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.

- [Questions about sites/data?](#)
- [Feedback on this web site](#)
- [Automated retrievals](#)
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Title: Groundwater for New Mexico: Water Levels

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



Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2022-08-09 23:03:50 EDT

0.28 0.24 nadww01



New Mexico Office of the State Engineer Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)				(NAD83 UTM in meters)			
		Q64	Q16	Q4	Sec	Twps	Rng	X	Y
	C 02387			1	11	24S	34E	646513	3567613*

Driller License:		Driller Company:	
Driller Name:	UNKNOWN		
Drill Start Date:		Drill Finish Date:	12/31/1916
Log File Date:		PCW Rcv Date:	
Pump Type:		Pipe Discharge Size:	
Casing Size:	6.00	Depth Well:	62 feet
		Plug Date:	
		Source:	
		Estimated Yield:	3 GPM
		Depth Water:	40 feet

*UTM location was derived from PLSS - see Help





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

8/9/22 9:02 PM

POINT OF DIVERSION SUMMARY

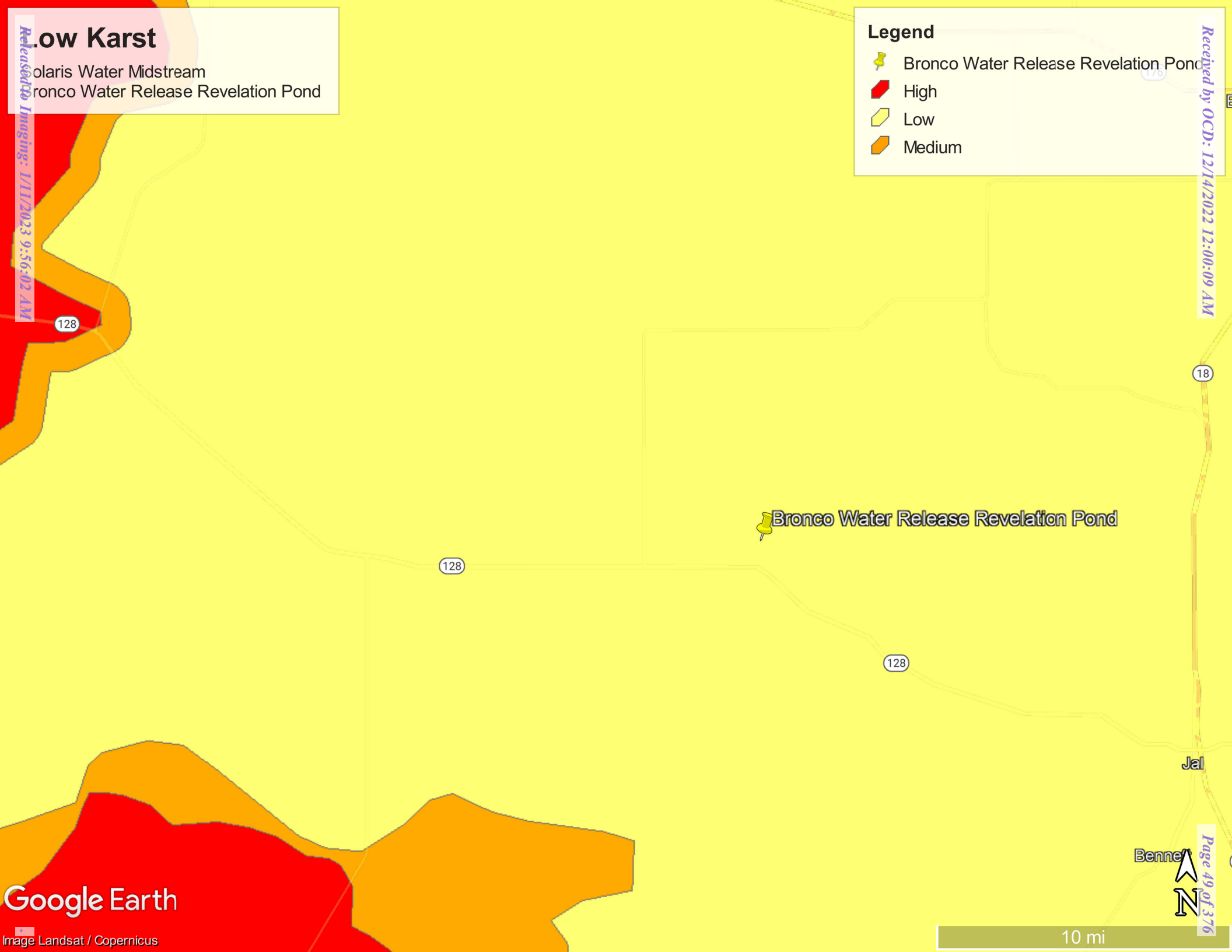
Low Karst
Solaris Water Midstream
Bronco Water Release Revelation Pond

Legend

-  Bronco Water Release Revelation Pond
-  High
-  Low
-  Medium

Released by: 1/11/2023 9:56:02 AM

Received by: OCD: 12/14/2022 12:00:09 AM



**Water Well Data
Average Depth to Groundwater (ft)
Solaris Water Midstream
Bronco Water Release Revelation Pond
Lea County, New Mexico**

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

23 South			34 East				
6	329	5	4	3	2	1	137
7	8	255	9	10	11	12	
18	17	16	345	15	14	13	
19	20	21	22	282	23	233	24
30	29	28	27	295	265	25	
31	32	160	33	34	35	36	
	130						

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

24 South			33 East			
6	5	4	3	2	1	
7	8	9	10	20	11	12
18	17	16	15	22	14	13
19	20	21	22	23	24	
30	29	28	27	208	16.9	25
31	32	33	70	34	35	36
		93.2				

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

24 South			35 East			
6	5	4	3	2	1	
7	8	9	10	11	12	
18	17	16	15	300	14	13
19	20	97	21	22	23	24
30	29	28	27	26	25	
31	32	33	34	35	36	
		139				

25 South			33 East			
6	5	4	3	172	2	1
7	118	9	10	11	12	
18	17	16	15	140	200	13
19	20	21	22	185	24	
30	29	120	27	26	25	
31	32	33	125	110	36	
		190				

25 South			34 East			
6	5	4	3	2	1	260
7	8	9	10	11	12	
18	17	16	15	14	13	
19	20	21	22	135	24	
30	29	129	28	27	26	300
31	50	33	34	35	36	

25 South			35 East			
6	5	4	3	108	2	1
7	165	9	10	11	12	
18	17	16	15	14	13	
19	20	21	22	23	24	
30	29	28	27	26	25	
31	80	33	34	35	36	

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



Appendix C

Drill Boring Logs

212C-MD-02820	TETRA TECH	LOG OF BORING BH-2	Page 1 of 1
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Project Name: Bronco Water Release Revelation Pond

Borehole Location: GPS Coordinate: 32.220959°, -103.439970° Surface Elevation: 3498 ft

Borehole Number: BH-2 Borehole Diameter (in.): Date Started: 8/24/2022 Date Finished: 8/24/2022

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm)	VOC FIELD SCREENING (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT	PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	WATER LEVEL OBSERVATIONS		
												While Drilling	Upon Completion of Drilling	DEPTH (ft)
												WATER LEVEL OBSERVATIONS While Drilling <input checked="" type="checkbox"/> DRY ft Upon Completion of Drilling <input checked="" type="checkbox"/> DRY ft Remarks:		
			ExStik	PID				LL	PI			MATERIAL DESCRIPTION		
5			5860									-SM- SAND: Brown, loose, dry	2	
			5140									-SM- SAND: Brown, soft, with Caliche pockets, dry	4	
			165									-- CALICHE: White to light brown, with gravel, dry, weakly to moderately cemented		
			157											
10			-											
15			203											
20			134											
Bottom of borehole at 20.0 feet.														

Sampler Types: <input checked="" type="checkbox"/> Split Spoon <input checked="" type="checkbox"/> Shelby <input checked="" type="checkbox"/> Bulk Sample <input checked="" type="checkbox"/> Grab Sample	<input checked="" type="checkbox"/> Acetate Liner <input checked="" type="checkbox"/> Vane Shear <input checked="" type="checkbox"/> Discrete Sample <input checked="" type="checkbox"/> Test Pit	Operation Types: <input checked="" type="checkbox"/> Mud Rotary <input checked="" type="checkbox"/> Continuous Flight Auger <input checked="" type="checkbox"/> Wash Rotary	<input checked="" type="checkbox"/> Hand Auger <input checked="" type="checkbox"/> Air Rotary <input checked="" type="checkbox"/> Direct Push <input checked="" type="checkbox"/> Core Barrel	Notes: Surface elevation is an estimated value from Google Earth data.
--	--	---	--	--












Logger: Joe Tyler Drilling Equipment: Air Rotary Driller: Scarborough Drilling

212C-MD-02820	 TETRA TECH	LOG OF BORING BH-3	Page 1 of 1
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Project Name: Bronco Water Release Revelation Pond

Borehole Location: GPS Coordinate: 32.221167°, -103.439667° Surface Elevation: 3499 ft

Borehole Number: BH-3 Borehole Diameter (in.): Date Started: 8/24/2022 Date Finished: 8/24/2022

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm)	VOC FIELD SCREENING (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT	PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	WATER LEVEL OBSERVATIONS		
												While Drilling	Upon Completion of Drilling	DEPTH (ft)
			ExStik	PID								WATER LEVEL OBSERVATIONS While Drilling <input checked="" type="checkbox"/> DRY ft Upon Completion of Drilling <input checked="" type="checkbox"/> DRY ft Remarks:		
5			-									-SM- SAND: Brown, loose, dry	2	
			5820									-SM- SAND: Brown, soft, with Caliche pockets, dry	4	
			331									-- CALICHE: White to light brown, with gravel, dry, weakly to moderately cemented		
			137											
10			-											
15			164											
20			156											
25			121											
30			97											
Bottom of borehole at 30.0 feet.														

Sampler Types: <input checked="" type="checkbox"/> Split Spoon <input checked="" type="checkbox"/> Shelby <input checked="" type="checkbox"/> Bulk Sample <input checked="" type="checkbox"/> Grab Sample	<input checked="" type="checkbox"/> Acetate Liner <input checked="" type="checkbox"/> Vane Shear <input checked="" type="checkbox"/> Discrete Sample <input checked="" type="checkbox"/> Test Pit	Operation Types: <input checked="" type="checkbox"/> Mud Rotary <input checked="" type="checkbox"/> Continuous Flight Auger <input checked="" type="checkbox"/> Wash Rotary	<input checked="" type="checkbox"/> Hand Auger <input checked="" type="checkbox"/> Air Rotary <input checked="" type="checkbox"/> Direct Push <input checked="" type="checkbox"/> Core Barrel	Notes: Surface elevation is an estimated value from Google Earth data.
---	--	--	--	---

Logger: Joe Tyler Drilling Equipment: Air Rotary Driller: Scarborough Drilling

212C-MD-02820	TETRA TECH	LOG OF BORING BH-4	Page 1 of 1
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Project Name: Bronco Water Release Revelation Pond

Borehole Location: GPS Coordinate: 32.221288°, -103.440012° Surface Elevation: 3498 ft

Borehole Number: BH-4 Borehole Diameter (in.): Date Started: 8/24/2022 Date Finished: 8/24/2022

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm)	VOC FIELD SCREENING (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT	PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	WATER LEVEL OBSERVATIONS		
												While Drilling	Upon Completion of Drilling	DEPTH (ft)
												While Drilling <u>∇</u> DRY ft Upon Completion of Drilling <u>∇</u> DRY ft Remarks:		
5		Hand	7370									-SM- SAND: Brown, loose, dry	2	
		Hand	2820									-SM- SAND: Brown, loose to medium dense, with Caliche pockets, dry	4	
		Hand	300									-- CALICHE: White to light brown, medium stiff, with gravel, dry, moderately cemented		
		Hand	210											
10		Hand	136									-- CALICHE: Light brown, trace gravel, dry, weakly cemented	9	
15		Hand	184											
20		Hand	145											
25		Hand	80											
30		Hand	80											

Bottom of borehole at 30.0 feet.

Sampler Types: Split Spoon Shelby Bulk Sample Grab Sample Acetate Liner Vane Shear Discrete Sample Test Pit	Operation Types: Mud Rotary Continuous Flight Auger Wash Rotary Hand Auger Air Rotary Direct Push Core Barrel	Notes: Surface elevation is an estimated value from Google Earth data.
--	---	--

Logger: Joe Tyler Drilling Equipment: Air Rotary Driller: Scarborough Drilling

212C-MD-02820	TETRA TECH	LOG OF BORING BH-5	Page 1 of 1
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Project Name: Bronco Water Release Revelation Pond

Borehole Location: GPS Coordinate: 32.221389°, -103.439811 Surface Elevation: 3496 ft

Borehole Number: BH-5 Borehole Diameter (in.): Date Started: 8/24/2022 Date Finished: 8/24/2022

DEPTH (ft)	OPERATION TYPE SAMPLE	CHLORIDE FIELD SCREENING (ppm)	VOC FIELD SCREENING (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT	PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	WATER LEVEL OBSERVATIONS		
											While Drilling	Upon Completion of Drilling	DEPTH (ft)
											WATER LEVEL OBSERVATIONS While Drilling <u>∇</u> DRY ft Upon Completion of Drilling <u>∇</u> DRY ft Remarks:		
		ExStik	PID				LL	PI			MATERIAL DESCRIPTION		
5		8440									-SM- SAND: Brown, loose, dry	2	
		6390									-SM- SAND: Brown, loose to medium dense, with Caliche pockets, dry	4	
		784									-- CALICHE: White to light brown, medium stiff, with gravel, dry, moderately cemented		
10		312									-- CALICHE: Light brown, trace gravel, dry, weakly cemented	9	
15		-											
20		165											
25		500											
30		152											

Bottom of borehole at 30.0 feet.

Sampler Types: Split Spoon Shelby Bulk Sample Grab Sample Acetate Liner Vane Shear Discrete Sample Test Pit	Operation Types: Mud Rotary Continuous Flight Auger Wash Rotary Hand Auger Air Rotary Direct Push Core Barrel	Notes: Surface elevation is an estimated value from Google Earth data.
--	---	--

Logger: Joe Tyler Drilling Equipment: Air Rotary Driller: Scarborough Drilling

212C-MD-02820	TETRA TECH	LOG OF BORING BH-6	Page 1 of 1
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Project Name: Bronco Water Release Revelation Pond

Borehole Location: GPS Coordinate: 32.221468°, -103.440278° Surface Elevation: 3495 ft

Borehole Number: BH-6 Borehole Diameter (in.): Date Started: 8/24/2022 Date Finished: 8/24/2022

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm)	VOC FIELD SCREENING (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT	PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	WATER LEVEL OBSERVATIONS		
												While Drilling	Upon Completion of Drilling	DEPTH (ft)
												WATER LEVEL OBSERVATIONS While Drilling <u>∇</u> DRY ft Upon Completion of Drilling <u>∇</u> DRY ft Remarks:		
5		Hand	6580									-SM- SAND: Brown, loose, dry	2	
		Hand	6140									-SM- SAND: Brown, loose to medium dense, with Caliche pockets, dry	4	
		Hand	655									-- CALICHE: White to light brown, medium stiff, with gravel, dry, moderately cemented		
		Hand	375											
10		Hand	318									-- CALICHE: Light brown, trace gravel, dry, weakly cemented	9	
15		Hand	425											
20		Hand	265											
25		Hand	147											
30		Hand	124											
Bottom of borehole at 30.0 feet.														

Sampler Types: Split Spoon Shelby Bulk Sample Grab Sample Acetate Liner Vane Shear Discrete Sample Test Pit	Operation Types: Mud Rotary Continuous Flight Auger Wash Rotary Hand Auger Air Rotary Direct Push Core Barrel	Notes: Surface elevation is an estimated value from Google Earth data.
--	---	--





































Logger: Joe Tyler Drilling Equipment: Air Rotary Driller: Scarborough Drilling

212C-MD-02820	 TETRA TECH	LOG OF BORING BH-7	Page 1 of 1
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







Project Name: Bronco Water Release Revelation Pond

Borehole Location: GPS Coordinate: 32.221616°, -103.440044° Surface Elevation: 3495 ft


Borehole Number: BH-7 Borehole Diameter (in.): Date Started: 8/23/2022 Date Finished: 8/23/2022

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm)	VOC FIELD SCREENING (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT	PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	WATER LEVEL OBSERVATIONS		
												While Drilling	Upon Completion of Drilling	DEPTH (ft)
												WATER LEVEL OBSERVATIONS While Drilling <input checked="" type="checkbox"/> DRY ft Upon Completion of Drilling <input checked="" type="checkbox"/> DRY ft Remarks:		
			ExStik	PID				LL	PI					
5			-									-SM- SAND: Brown, loose, dry	1	
			-									-- CALICHE: White to tan, medium stiff, with gravel, dry		
			-									-SM- SAND: Tan, loose, trace gravel, dry	4	
			-											
			-									-- CALICHE: White to tan, medium stiff, with abundant gravel, dry	7	
10			-											
			-											
			-											
15			-									-SM- SAND: Light brown, loose, dry	14	
			-											
20			-											
			-											
25			116											
			-											
			-											
30			134									-SM- SAND: Reddish brown, loose, dry	29	
			-											
			-											

Bottom of borehole at 30.0 feet.

Sampler Types:  Split Spoon  Shelby  Bulk Sample  Grab Sample  Acetate Liner  Vane Shear  Discrete Sample  Test Pit	Operation Types:  Mud Rotary  Continuous Flight Auger  Wash Rotary  Hand Auger  Air Rotary  Direct Push  Core Barrel	Notes: Surface elevation is an estimated value from Google Earth data.
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Logger: Joe Tyler Drilling Equipment: Air Rotary Driller: Scarborough Drilling

212C-MD-02820	 TETRA TECH	LOG OF BORING BH-8	Page 1 of 1
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Project Name: Bronco Water Release Revelation Pond

Borehole Location: GPS Coordinate: 32.221679°, -103.440495 Surface Elevation: 3493 ft

Borehole Number: BH-8 Borehole Diameter (in.): Date Started: 8/24/2022 Date Finished: 8/24/2022

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm)	VOC FIELD SCREENING (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT	PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	WATER LEVEL OBSERVATIONS			
												While Drilling	Upon Completion of Drilling	DEPTH (ft)	REMARKS
												WATER LEVEL OBSERVATIONS While Drilling <input checked="" type="checkbox"/> DRY ft Upon Completion of Drilling <input checked="" type="checkbox"/> DRY ft Remarks:			
												-SM-	SAND: Brown, loose, dry	2	
			8300									-SM-	SAND: Brown, soft, with Caliche pockets, dry	4	
5			3920									-- CALICHE: White to light brown, with gravel, dry, weakly cemented			
10			509												
15			225												
20			158												

Bottom of borehole at 20.0 feet.

Sampler Types: <input checked="" type="checkbox"/> Split Spoon <input checked="" type="checkbox"/> Shelby <input checked="" type="checkbox"/> Bulk Sample <input checked="" type="checkbox"/> Grab Sample <input type="checkbox"/> Acetate Liner <input type="checkbox"/> Vane Shear <input checked="" type="checkbox"/> Discrete Sample <input type="checkbox"/> Test Pit	Operation Types: <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Continuous Flight Auger <input type="checkbox"/> Wash Rotary <input type="checkbox"/> Hand Auger <input type="checkbox"/> Air Rotary <input type="checkbox"/> Direct Push <input type="checkbox"/> Core Barrel	Notes: Surface elevation is an estimated value from Google Earth data.
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Logger: Joe Tyler Drilling Equipment: Air Rotary Driller: Scarborough Drilling

212C-MD-02820	TETRA TECH	LOG OF BORING BH-9	Page 1 of 1
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Project Name: Bronco Water Release Revelation Pond

Borehole Location: GPS Coordinate: 32.221920°, -103.440330° Surface Elevation: 3492 ft

Borehole Number: BH-9 Borehole Diameter (in.): Date Started: 8/23/2022 Date Finished: 8/23/2022

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm)	VOC FIELD SCREENING (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT	PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	WATER LEVEL OBSERVATIONS		
												While Drilling	Upon Completion of Drilling	DEPTH (ft)
												WATER LEVEL OBSERVATIONS While Drilling <input checked="" type="checkbox"/> DRY ft Upon Completion of Drilling <input checked="" type="checkbox"/> DRY ft Remarks:		
			ExStik	PID				LL	PI			MATERIAL DESCRIPTION		
5			5000									-SM- SAND: Brown, loose, dry	1	
			-									-- CALICHE: White to tan, medium stiff, with gravel, dry	4	
			9430									-SM- SAND: Tan, loose, trace gravel, dry	7	
			-									-- CALICHE: White to tan, medium stiff, with abundant gravel, dry	14	
10			1130											
15			-									-SM- SAND: Light brown, loose, dry		
20			-											
25			98											
30			130									-SM- SAND: Reddish brown, loose, dry	29	
													30	

Bottom of borehole at 30.0 feet.

Sampler Types: <input checked="" type="checkbox"/> Split Spoon <input checked="" type="checkbox"/> Shelby <input checked="" type="checkbox"/> Bulk Sample <input checked="" type="checkbox"/> Grab Sample <input type="checkbox"/> Acetate Liner <input type="checkbox"/> Vane Shear <input type="checkbox"/> Discrete Sample <input type="checkbox"/> Test Pit	Operation Types: <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Continuous Flight Auger <input type="checkbox"/> Wash Rotary <input type="checkbox"/> Hand Auger <input type="checkbox"/> Air Rotary <input type="checkbox"/> Direct Push <input type="checkbox"/> Core Barrel	Notes: Surface elevation is an estimated value from Google Earth data.
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Logger: Joe Tyler Drilling Equipment: Air Rotary Driller: Scarborough Drilling

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Project Name: Bronco Water Release Revelation Pond

Borehole Location: GPS Coordinate: 32.222126°, -103.440129° Surface Elevation: 3489 ft

Borehole Number: BH-10 Borehole Diameter (in.): Date Started: 8/23/2022 Date Finished: 8/23/2022

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm)	VOC FIELD SCREENING (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT	PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	WATER LEVEL OBSERVATIONS		
												While Drilling	Upon Completion of Drilling	DEPTH (ft)
												WATER LEVEL OBSERVATIONS While Drilling <input checked="" type="checkbox"/> DRY ft Upon Completion of Drilling <input checked="" type="checkbox"/> DRY ft Remarks:		
			ExStik	PID				LL	PI			MATERIAL DESCRIPTION		
5			3800									-SM- SAND: Brown, loose, dry	1	
			-									-- CALICHE: White to tan, medium stiff, with gravel, dry		
			3810									-SM- SAND: Tan, loose, trace gravel, dry	4	
			-									-- CALICHE: White to tan, medium stiff, with abundant gravel, dry	7	
10			512											
15			709									-SM- SAND: Light brown, loose, dry	14	
20			-											
25			158											
30			172									-SM- SAND: Reddish brown, loose, dry	29	
Bottom of borehole at 30.0 feet.												30		

Sampler Types: <input checked="" type="checkbox"/> Split Spoon <input checked="" type="checkbox"/> Shelby <input checked="" type="checkbox"/> Bulk Sample <input checked="" type="checkbox"/> Grab Sample	<input checked="" type="checkbox"/> Acetate Liner <input checked="" type="checkbox"/> Vane Shear <input checked="" type="checkbox"/> Discrete Sample <input checked="" type="checkbox"/> Test Pit	Operation Types: <input checked="" type="checkbox"/> Mud Rotary <input checked="" type="checkbox"/> Continuous Flight Auger <input checked="" type="checkbox"/> Wash Rotary	<input checked="" type="checkbox"/> Hand Auger <input checked="" type="checkbox"/> Air Rotary <input checked="" type="checkbox"/> Direct Push <input checked="" type="checkbox"/> Core Barrel	Notes: Surface elevation is an estimated value from Google Earth data.
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Logger: Joe Tyler Drilling Equipment: Air Rotary Driller: Scarborough Drilling

212C-MD-02820	TETRA TECH	LOG OF BORING BH-11	Page 1 of 1
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Project Name: Bronco Water Release Revelation Pond

Borehole Location: GPS Coordinate: 32.222498°, -103.439896° Surface Elevation: 3486 ft

Borehole Number: BH-11 Borehole Diameter (in.): Date Started: 8/23/2022 Date Finished: 8/23/2022

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm)	VOC FIELD SCREENING (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT	PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	WATER LEVEL OBSERVATIONS		
												While Drilling	Upon Completion of Drilling	DEPTH (ft)
												WATER LEVEL OBSERVATIONS While Drilling <input checked="" type="checkbox"/> DRY ft Upon Completion of Drilling <input checked="" type="checkbox"/> DRY ft Remarks:		
			ExStik	PID				LL	PI			MATERIAL DESCRIPTION		
5			504									-SM- SAND: Brown, loose, dry	1	
			192									-- CALICHE: White to tan, medium stiff, with gravel, dry		
			145									-SM- SAND: Tan, loose, trace gravel, dry	4	
			976									-- CALICHE: White to tan, medium stiff, with abundant gravel, dry	7	
10			95											
15			400									-SM- SAND: Light brown, loose, dry	14	
20			131											
25			240											
30			200									-SM- SAND: Reddish brown, loose, dry	29	
Bottom of borehole at 30.0 feet.												30		

Sampler Types: Split Spoon Shelby Bulk Sample Grab Sample Acetate Liner Vane Shear Discrete Sample Test Pit	Operation Types: Mud Rotary Continuous Flight Auger Wash Rotary Hand Auger Air Rotary Direct Push Core Barrel	Notes: Surface elevation is an estimated value from Google Earth data.
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














Logger: Joe Tyler Drilling Equipment: Air Rotary Driller: Scarborough Drilling

212C-MD-02820	 TETRA TECH	LOG OF BORING BH-12	Page 1 of 1
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Project Name: Bronco Water Release Revelation Pond

Borehole Location: GPS Coordinate: 32.222513°, -103.439528° Surface Elevation: 3483 ft

Borehole Number: BH-12 Borehole Diameter (in.): Date Started: 8/23/2022 Date Finished: 8/23/2022

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm)	VOC FIELD SCREENING (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT	PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	WATER LEVEL OBSERVATIONS		
												While Drilling	Upon Completion of Drilling	DEPTH (ft)
			ExStik	PID								WATER LEVEL OBSERVATIONS While Drilling <input checked="" type="checkbox"/> DRY ft Upon Completion of Drilling <input checked="" type="checkbox"/> DRY ft Remarks:		
5			3720									-SM- SAND: Brown, loose, dry	1	
			-									-- CALICHE: White to tan, medium stiff, with gravel, dry	4	
			5560									-SM- SAND: Tan, loose, trace gravel, dry	7	
			-									-- CALICHE: White to tan, medium stiff, with abundant gravel, dry	14	
10			1100											
15			900									-SM- SAND: Light brown, loose, dry		
20			1311											
25			320											
30			223									-SM- SAND: Reddish brown, loose, dry	29	
Bottom of borehole at 30.0 feet.												30		

Sampler Types: <input checked="" type="checkbox"/> Split Spoon <input type="checkbox"/> Shelby <input type="checkbox"/> Bulk Sample <input checked="" type="checkbox"/> Grab Sample <input type="checkbox"/> Acetate Liner <input type="checkbox"/> Vane Shear <input checked="" type="checkbox"/> Discrete Sample <input type="checkbox"/> Test Pit	Operation Types: <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Continuous Flight Auger <input type="checkbox"/> Wash Rotary <input checked="" type="checkbox"/> Hand Auger <input type="checkbox"/> Air Rotary <input type="checkbox"/> Direct Push <input type="checkbox"/> Core Barrel	Notes: Surface elevation is an estimated value from Google Earth data.
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Logger: Joe Tyler Drilling Equipment: Air Rotary Driller: Scarborough Drilling

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Project Name: Bronco Water Release Revelation Pond

Borehole Location: GPS Coordinate: 32.222623°, -103.439142° Surface Elevation: 3481 ft

Borehole Number: BH-13 Borehole Diameter (in.): Date Started: 8/23/2022 Date Finished: 8/23/2022

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm)	VOC FIELD SCREENING (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT	PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	WATER LEVEL OBSERVATIONS		
												While Drilling	Upon Completion of Drilling	DEPTH (ft)
												WATER LEVEL OBSERVATIONS While Drilling <input checked="" type="checkbox"/> DRY ft Upon Completion of Drilling <input checked="" type="checkbox"/> DRY ft Remarks:		
			ExStik	PID				LL	PI			MATERIAL DESCRIPTION		
5			4100									-SM- SAND: Brown, loose, dry	1	
			-									-- CALICHE: White to tan, medium stiff, with gravel, dry	4	
			3800									-SM- SAND: Tan, loose, trace gravel, dry	7	
			5610									-- CALICHE: White to tan, medium stiff, with abundant gravel, dry	14	
10			-											
15			512									-SM- SAND: Light brown, loose, dry	29	
20			-											
25			325											
30			233									-SM- SAND: Reddish brown, loose, dry	30	

Bottom of borehole at 30.0 feet.

Sampler Types: <input checked="" type="checkbox"/> Split Spoon <input checked="" type="checkbox"/> Shelby <input checked="" type="checkbox"/> Bulk Sample <input checked="" type="checkbox"/> Grab Sample	<input checked="" type="checkbox"/> Acetate Liner <input checked="" type="checkbox"/> Vane Shear <input checked="" type="checkbox"/> Discrete Sample <input checked="" type="checkbox"/> Test Pit	Operation Types: <input checked="" type="checkbox"/> Mud Rotary <input checked="" type="checkbox"/> Continuous Flight Auger <input checked="" type="checkbox"/> Wash Rotary	<input checked="" type="checkbox"/> Hand Auger <input checked="" type="checkbox"/> Air Rotary <input checked="" type="checkbox"/> Direct Push <input checked="" type="checkbox"/> Core Barrel	Notes: Surface elevation is an estimated value from Google Earth data.
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Logger: Joe Tyler Drilling Equipment: Air Rotary Driller: Scarborough Drilling

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Project Name: Bronco Water Release Revelation Pond

Borehole Location: GPS Coordinate: 32.222753°, -103.438850 Surface Elevation: 3479 ft

Borehole Number: BH-14 Borehole Diameter (in.): Date Started: 8/22/2022 Date Finished: 8/22/2022

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm)	VOC FIELD SCREENING (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT	PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	WATER LEVEL OBSERVATIONS		
												While Drilling	Upon Completion of Drilling	DEPTH (ft)
			ExStik	PID								WATER LEVEL OBSERVATIONS While Drilling <input checked="" type="checkbox"/> DRY ft Upon Completion of Drilling <input checked="" type="checkbox"/> DRY ft Remarks:		
4			4100									-SM- SAND: Brown, loose, dry		
5			-									-- CALICHE: White to tan, soft, with gravel, dry		
6			3800									-SM- SAND: Brown, loose to medium dense, trace gravel, dry		
10			5610											
15			512											
20			-											
25			325											
30			233											

Bottom of borehole at 30.0 feet.

Sampler Types: Split Spoon Shelby Bulk Sample Grab Sample Acetate Liner Vane Shear Discrete Sample Test Pit	Operation Types: Mud Rotary Continuous Flight Auger Wash Rotary Hand Auger Air Rotary Direct Push Core Barrel	Notes: Surface elevation is an estimated value from Google Earth data.
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Logger: Joe Tyler Drilling Equipment: Air Rotary Driller: Scarborough Drilling

212C-MD-02820	TETRA TECH	LOG OF BORING BH-15	Page 1 of 1
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Project Name: Bronco Water Release Revelation Pond

Borehole Location: GPS Coordinate: 32.222853°, -103.438518° Surface Elevation: 3479 ft

Borehole Number: BH-15 Borehole Diameter (in.): Date Started: 8/22/2022 Date Finished: 8/22/2022

DEPTH (ft)	OPERATION TYPE SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT LL	PLASTICITY INDEX PI	MINUS NO. 200 (%)	GRAPHIC LOG	WATER LEVEL OBSERVATIONS		DEPTH (ft)	REMARKS	
											While Drilling	Upon Completion of Drilling			
												While Drilling <input checked="" type="checkbox"/> DRY ft Upon Completion of Drilling <input checked="" type="checkbox"/> DRY ft Remarks:			
												MATERIAL DESCRIPTION			
5	Hand	3670								[Hand Auger]					
	Hand	-								[Hand Auger]					
	Hand	5010								[Hand Auger]					
	Hand	5610								[Hand Auger]					
10	Hand	7740								[Hand Auger]					
15	Hand	-								[Hand Auger]					
20	Hand	-								[Hand Auger]					
25	Hand	432								[Hand Auger]					
30	Hand	253								[Hand Auger]					
Bottom of borehole at 30.0 feet.															

Sampler Types: <input checked="" type="checkbox"/> Split Spoon <input checked="" type="checkbox"/> Shelby <input checked="" type="checkbox"/> Bulk Sample <input checked="" type="checkbox"/> Grab Sample <input type="checkbox"/> Acetate Liner <input type="checkbox"/> Vane Shear <input type="checkbox"/> Discrete Sample <input type="checkbox"/> Test Pit	Operation Types: <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Continuous Flight Auger <input type="checkbox"/> Wash Rotary <input type="checkbox"/> Hand Auger <input type="checkbox"/> Air Rotary <input type="checkbox"/> Direct Push <input type="checkbox"/> Core Barrel	Notes: Surface elevation is an estimated value from Google Earth data.
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Logger: Joe Tyler Drilling Equipment: Air Rotary Driller: Scarborough Drilling

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Project Name: Bronco Water Release Revelation Pond

Borehole Location: GPS Coordinate: 32.223002°, -103.438254 Surface Elevation: 3476 ft

Borehole Number: BH-16 Borehole Diameter (in.): Date Started: 8/22/2022 Date Finished: 8/22/2022

DEPTH (ft)	OPERATION TYPE SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT LL	PLASTICITY INDEX PI	MINUS NO. 200 (%)	GRAPHIC LOG	WATER LEVEL OBSERVATIONS		DEPTH (ft)	REMARKS	
											While Drilling	Upon Completion of Drilling			
												While Drilling <input checked="" type="checkbox"/> DRY ft Upon Completion of Drilling <input checked="" type="checkbox"/> DRY ft Remarks:			
												MATERIAL DESCRIPTION			
5	Hand	3590								[Hand Auger]					
	Hand	-								[Hand Auger]			4		
	Hand	-								[Hand Auger]			6		
10	Hand	-								[Hand Auger]					
15	Hand	-								[Hand Auger]					
20	Hand	674								[Hand Auger]					
25	Hand	308								[Hand Auger]					
30	Hand	124								[Hand Auger]					

Bottom of borehole at 30.0 feet.

Sampler Types: Split Spoon Shelby Bulk Sample Grab Sample	Acetate Liner Vane Shear Discrete Sample Test Pit	Operation Types: Mud Rotary Continuous Flight Auger Wash Rotary	Hand Auger Air Rotary Direct Push Core Barrel	Notes: Surface elevation is an estimated value from Google Earth data.
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Logger: Joe Tyler Drilling Equipment: Air Rotary Driller: Scarborough Drilling



Appendix D

Laboratory Reports



Environment Testing
America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-18485-1

Laboratory Sample Delivery Group: Lea County New Mexico
Client Project/Site: Bronco Water Release Revelation Pond

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

Attn: Clair Gonzales

Authorized for release by:
9/2/2022 11:24:25 AM

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

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

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

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

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- 14

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Laboratory Job ID: 880-18485-1
SDG: Lea County New Mexico

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Definitions/Glossary

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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.

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)

Eurofins Midland

Definitions/Glossary

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
SDG: Lea County New Mexico

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

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

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
SDG: Lea County New Mexico

Job ID: 880-18485-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-18485-1**

Receipt

The samples were received on 8/24/2022 2:18 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.8°C

GC VOA

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-32949 and analytical batch 880-33156 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-32949/1-A) and (LCSD 880-32949/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH-16 (14'-15') (880-18485-6) and BH-16 (19'-20') (880-18485-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH-16 (2'-3') (880-18485-2) and BH-16 (4'-5') (880-18485-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-33194 and analytical batch 880-33162 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-32950 and analytical batch 880-33156 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH-16 (24'-25') (880-18485-8), BH-16 (29'-30') (880-18485-9), BH-15 (0'-1') (880-18485-10), BH-15 (2'-3') (880-18485-11), BH-15 (4'-5') (880-18485-12), BH-15 (6'-7') (880-18485-13), BH-15 (9'-10') (880-18485-14), BH-15 (14'-15') (880-18485-15), BH-15 (19'-20') (880-18485-16), BH-15 (24'-25') (880-18485-17), BH-14 (4'-5') (880-18485-21), BH-14 (6'-7') (880-18485-22), BH-14 (9'-10') (880-18485-23), BH-14 (14'-15') (880-18485-24), BH-14 (24'-25') (880-18485-26), BH-13 (0'-1') (880-18485-28) and BH-13 (4'-5') (880-18485-30). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-32950/1-A) and (LCSD 880-32950/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (880-18485-A-21-G MS) and (880-18485-A-21-H MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH-11 (24'-25') (880-18485-53) and BH-11 (29'-30') (880-18485-54). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-32980 and analytical batch 880-33501 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-32985 and analytical batch 880-33501. The associated laboratory control sample (LCS) met acceptance criteria.

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
SDG: Lea County New Mexico

Job ID: 880-18485-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-32854/2-A) and (LCSD 880-32854/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-32854 and analytical batch 880-32892 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery was outside acceptance limits for the following matrix spike/matrix spike duplicate (MS/MSD) sample: (880-18485-A-21-E MS). The parent sample's surrogate recovery was within limits. The MS/MSD sample has been qualified and reported.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-32946/2-A) and (LCSD 880-32946/3-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike (MS) recoveries for preparation batch 880-32897 and analytical batch 880-33097 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. The associated sample is: BH-07 (29'-30') (880-18485-81).

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-32899 and analytical batch 880-33154 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: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
SDG: Lea County New Mexico

Client Sample ID: BH-16 (0'-1')

Lab Sample ID: 880-18485-1

Date Collected: 08/22/22 13:00

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 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		08/25/22 13:37	08/29/22 13:45	1
Toluene	<0.00201	U F1	0.00201		mg/Kg		08/25/22 13:37	08/29/22 13:45	1
Ethylbenzene	<0.00201	U F1	0.00201		mg/Kg		08/25/22 13:37	08/29/22 13:45	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402		mg/Kg		08/25/22 13:37	08/29/22 13:45	1
o-Xylene	<0.00201	U F1	0.00201		mg/Kg		08/25/22 13:37	08/29/22 13:45	1
Xylenes, Total	<0.00402	U F1	0.00402		mg/Kg		08/25/22 13:37	08/29/22 13:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	08/25/22 13:37	08/29/22 13:45	1
1,4-Difluorobenzene (Surr)	91		70 - 130	08/25/22 13:37	08/29/22 13:45	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 09:51	08/25/22 21:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 09:51	08/25/22 21:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 09:51	08/25/22 21:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	08/25/22 09:51	08/25/22 21:27	1
o-Terphenyl	93		70 - 130	08/25/22 09:51	08/25/22 21:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2420	F1	24.9		mg/Kg			08/29/22 03:49	5

Client Sample ID: BH-16 (2'-3')

Lab Sample ID: 880-18485-2

Date Collected: 08/22/22 13:05

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:37	08/29/22 14:11	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:37	08/29/22 14:11	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:37	08/29/22 14:11	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/25/22 13:37	08/29/22 14:11	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:37	08/29/22 14:11	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/25/22 13:37	08/29/22 14:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130	08/25/22 13:37	08/29/22 14:11	1
1,4-Difluorobenzene (Surr)	111		70 - 130	08/25/22 13:37	08/29/22 14:11	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-16 (2'-3')

Lab Sample ID: 880-18485-2

Date Collected: 08/22/22 13:05

Matrix: Solid

Date Received: 08/24/22 14:18

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 09:51	08/25/22 22:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 09:51	08/25/22 22:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 09:51	08/25/22 22:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	08/25/22 09:51	08/25/22 22:31	1
o-Terphenyl	102		70 - 130	08/25/22 09:51	08/25/22 22:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2960		25.2		mg/Kg			08/29/22 04:17	5

Client Sample ID: BH-16 (4'-5')

Lab Sample ID: 880-18485-3

Date Collected: 08/22/22 13:10

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:37	08/29/22 14:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:37	08/29/22 14:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:37	08/29/22 14:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/25/22 13:37	08/29/22 14:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:37	08/29/22 14:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/25/22 13:37	08/29/22 14:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	08/25/22 13:37	08/29/22 14:37	1
1,4-Difluorobenzene (Surr)	104		70 - 130	08/25/22 13:37	08/29/22 14:37	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/25/22 22:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/25/22 22:52	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-16 (4'-5')

Lab Sample ID: 880-18485-3

Date Collected: 08/22/22 13:10

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 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		08/25/22 09:51	08/25/22 22:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				08/25/22 09:51	08/25/22 22:52	1
o-Terphenyl	104		70 - 130				08/25/22 09:51	08/25/22 22:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5710		49.9		mg/Kg			08/29/22 04:26	10

Client Sample ID: BH-16 (6'-7')

Lab Sample ID: 880-18485-4

Date Collected: 08/22/22 13:15

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:37	08/29/22 15:02	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:37	08/29/22 15:02	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:37	08/29/22 15:02	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/25/22 13:37	08/29/22 15:02	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:37	08/29/22 15:02	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/25/22 13:37	08/29/22 15:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				08/25/22 13:37	08/29/22 15:02	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/25/22 13:37	08/29/22 15:02	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 09:51	08/25/22 23:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 09:51	08/25/22 23:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 09:51	08/25/22 23:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				08/25/22 09:51	08/25/22 23:13	1
o-Terphenyl	92		70 - 130				08/25/22 09:51	08/25/22 23:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4700		25.1		mg/Kg			08/29/22 04:35	5

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
SDG: Lea County New Mexico

Client Sample ID: BH-16 (9'-10')

Lab Sample ID: 880-18485-5

Date Collected: 08/22/22 13:20

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:37	08/29/22 15:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:37	08/29/22 15:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:37	08/29/22 15:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/25/22 13:37	08/29/22 15:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:37	08/29/22 15:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/25/22 13:37	08/29/22 15:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	08/25/22 13:37	08/29/22 15:28	1
1,4-Difluorobenzene (Surr)	98		70 - 130	08/25/22 13:37	08/29/22 15:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/25/22 23:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/25/22 23:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/25/22 23:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	08/25/22 09:51	08/25/22 23:34	1
o-Terphenyl	109		70 - 130	08/25/22 09:51	08/25/22 23:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4080		25.0		mg/Kg			08/29/22 04:45	5

Client Sample ID: BH-16 (14'-15')

Lab Sample ID: 880-18485-6

Date Collected: 08/22/22 13:25

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 15:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 15:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 15:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/25/22 13:37	08/29/22 15:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 15:53	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/25/22 13:37	08/29/22 15:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130	08/25/22 13:37	08/29/22 15:53	1
1,4-Difluorobenzene (Surr)	105		70 - 130	08/25/22 13:37	08/29/22 15:53	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-16 (14'-15')

Lab Sample ID: 880-18485-6

Date Collected: 08/22/22 13:25

Matrix: Solid

Date Received: 08/24/22 14:18

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 09:51	08/25/22 23:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 09:51	08/25/22 23:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 09:51	08/25/22 23:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	08/25/22 09:51	08/25/22 23:55	1
o-Terphenyl	98		70 - 130	08/25/22 09:51	08/25/22 23:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	470		5.01		mg/Kg			08/29/22 05:12	1

Client Sample ID: BH-16 (19'-20')

Lab Sample ID: 880-18485-7

Date Collected: 08/22/22 13:30

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 16:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 16:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 16:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/25/22 13:37	08/29/22 16:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 16:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/25/22 13:37	08/29/22 16:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130	08/25/22 13:37	08/29/22 16:19	1
1,4-Difluorobenzene (Surr)	110		70 - 130	08/25/22 13:37	08/29/22 16:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/26/22 00:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/26/22 00:16	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-16 (19'-20')

Lab Sample ID: 880-18485-7

Date Collected: 08/22/22 13:30

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 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		08/25/22 09:51	08/26/22 00:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				08/25/22 09:51	08/26/22 00:16	1
o-Terphenyl	90		70 - 130				08/25/22 09:51	08/26/22 00:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	495		5.04		mg/Kg			08/29/22 05:22	1

Client Sample ID: BH-16 (24'-25')

Lab Sample ID: 880-18485-8

Date Collected: 08/22/22 13:40

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:37	08/29/22 19:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:37	08/29/22 19:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:37	08/29/22 19:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/25/22 13:37	08/29/22 19:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:37	08/29/22 19:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/25/22 13:37	08/29/22 19:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130				08/25/22 13:37	08/29/22 19:31	1
1,4-Difluorobenzene (Surr)	77		70 - 130				08/25/22 13:37	08/29/22 19:31	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/26/22 00:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/26/22 00:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/26/22 00:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				08/25/22 09:51	08/26/22 00:37	1
o-Terphenyl	101		70 - 130				08/25/22 09:51	08/26/22 00:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	214		5.05		mg/Kg			08/29/22 05:31	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
SDG: Lea County New Mexico

Client Sample ID: BH-16 (29'-30')

Lab Sample ID: 880-18485-9

Date Collected: 08/22/22 13:50

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 19:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 19:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 19:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/25/22 13:37	08/29/22 19:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 19:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/25/22 13:37	08/29/22 19:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130	08/25/22 13:37	08/29/22 19:57	1
1,4-Difluorobenzene (Surr)	89		70 - 130	08/25/22 13:37	08/29/22 19:57	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 09:51	08/26/22 00:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 09:51	08/26/22 00:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 09:51	08/26/22 00:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	08/25/22 09:51	08/26/22 00:58	1
o-Terphenyl	97		70 - 130	08/25/22 09:51	08/26/22 00:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.667		0.0497		mg/Kg			08/29/22 05:40	1

Client Sample ID: BH-15 (0'-1')

Lab Sample ID: 880-18485-10

Date Collected: 08/22/22 14:00

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 20:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 20:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 20:23	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/25/22 13:37	08/29/22 20:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 20:23	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/25/22 13:37	08/29/22 20:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	08/25/22 13:37	08/29/22 20:23	1
1,4-Difluorobenzene (Surr)	87		70 - 130	08/25/22 13:37	08/29/22 20:23	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-15 (0'-1')

Lab Sample ID: 880-18485-10

Date Collected: 08/22/22 14:00

Matrix: Solid

Date Received: 08/24/22 14:18

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/26/22 01:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/26/22 01:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/26/22 01:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				08/25/22 09:51	08/26/22 01:19	1
o-Terphenyl	94		70 - 130				08/25/22 09:51	08/26/22 01:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.3		0.248		mg/Kg			08/29/22 05:49	5

Client Sample ID: BH-15 (2'-3')

Lab Sample ID: 880-18485-11

Date Collected: 08/22/22 14:05

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:37	08/29/22 20:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:37	08/29/22 20:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:37	08/29/22 20:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/25/22 13:37	08/29/22 20:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:37	08/29/22 20:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/25/22 13:37	08/29/22 20:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				08/25/22 13:37	08/29/22 20:49	1
1,4-Difluorobenzene (Surr)	85		70 - 130				08/25/22 13:37	08/29/22 20:49	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/26/22 02:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/26/22 02:02	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-15 (2'-3')

Lab Sample ID: 880-18485-11

Date Collected: 08/22/22 14:05

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 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		08/25/22 09:51	08/26/22 02:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				08/25/22 09:51	08/26/22 02:02	1
o-Terphenyl	89		70 - 130				08/25/22 09:51	08/26/22 02:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3340	F1	25.1		mg/Kg			08/29/22 05:58	5

Client Sample ID: BH-15 (4'-5')

Lab Sample ID: 880-18485-12

Date Collected: 08/22/22 14:10

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:37	08/29/22 21:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:37	08/29/22 21:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:37	08/29/22 21:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/25/22 13:37	08/29/22 21:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:37	08/29/22 21:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/25/22 13:37	08/29/22 21:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130				08/25/22 13:37	08/29/22 21:15	1
1,4-Difluorobenzene (Surr)	85		70 - 130				08/25/22 13:37	08/29/22 21:15	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/26/22 02:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/26/22 02:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/26/22 02:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				08/25/22 09:51	08/26/22 02:23	1
o-Terphenyl	96		70 - 130				08/25/22 09:51	08/26/22 02:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4190		25.2		mg/Kg			08/29/22 06:26	5

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
SDG: Lea County New Mexico

Client Sample ID: BH-15 (6'-7')

Lab Sample ID: 880-18485-13

Date Collected: 08/22/22 14:15

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:37	08/29/22 21:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:37	08/29/22 21:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:37	08/29/22 21:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/25/22 13:37	08/29/22 21:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:37	08/29/22 21:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/25/22 13:37	08/29/22 21:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	08/25/22 13:37	08/29/22 21:40	1
1,4-Difluorobenzene (Surr)	91		70 - 130	08/25/22 13:37	08/29/22 21:40	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 09:51	08/26/22 02:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 09:51	08/26/22 02:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 09:51	08/26/22 02:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	08/25/22 09:51	08/26/22 02:44	1
o-Terphenyl	98		70 - 130	08/25/22 09:51	08/26/22 02:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5720		50.1		mg/Kg			08/29/22 06:35	10

Client Sample ID: BH-15 (9'-10')

Lab Sample ID: 880-18485-14

Date Collected: 08/22/22 14:20

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 22:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 22:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 22:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/25/22 13:37	08/29/22 22:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 22:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/25/22 13:37	08/29/22 22:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130	08/25/22 13:37	08/29/22 22:06	1
1,4-Difluorobenzene (Surr)	99		70 - 130	08/25/22 13:37	08/29/22 22:06	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-15 (9'-10')

Lab Sample ID: 880-18485-14

Date Collected: 08/22/22 14:20

Matrix: Solid

Date Received: 08/24/22 14:18

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/26/22 03:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/26/22 03:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/26/22 03:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				08/25/22 09:51	08/26/22 03:05	1
o-Terphenyl	89		70 - 130				08/25/22 09:51	08/26/22 03:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9550		49.7		mg/Kg			08/29/22 07:03	10

Client Sample ID: BH-15 (14'-15')

Lab Sample ID: 880-18485-15

Date Collected: 08/22/22 14:25

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:37	08/29/22 22:32	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:37	08/29/22 22:32	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:37	08/29/22 22:32	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/25/22 13:37	08/29/22 22:32	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:37	08/29/22 22:32	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/25/22 13:37	08/29/22 22:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130				08/25/22 13:37	08/29/22 22:32	1
1,4-Difluorobenzene (Surr)	95		70 - 130				08/25/22 13:37	08/29/22 22:32	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 09:51	08/26/22 03:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 09:51	08/26/22 03:26	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-15 (14'-15')

Lab Sample ID: 880-18485-15

Date Collected: 08/22/22 14:25

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 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		08/25/22 09:51	08/26/22 03:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				08/25/22 09:51	08/26/22 03:26	1
o-Terphenyl	89		70 - 130				08/25/22 09:51	08/26/22 03:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	459		4.97		mg/Kg			08/29/22 07:12	1

Client Sample ID: BH-15 (19'-20')

Lab Sample ID: 880-18485-16

Date Collected: 08/22/22 14:30

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 22:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 22:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 22:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/25/22 13:37	08/29/22 22:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 22:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/25/22 13:37	08/29/22 22:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130				08/25/22 13:37	08/29/22 22:58	1
1,4-Difluorobenzene (Surr)	100		70 - 130				08/25/22 13:37	08/29/22 22:58	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/25/22 09:51	08/26/22 03:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/25/22 09:51	08/26/22 03:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/25/22 09:51	08/26/22 03:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				08/25/22 09:51	08/26/22 03:48	1
o-Terphenyl	98		70 - 130				08/25/22 09:51	08/26/22 03:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	547		5.00		mg/Kg			08/29/22 07:21	1

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-15 (24'-25')

Lab Sample ID: 880-18485-17

Date Collected: 08/22/22 14:40

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:37	08/29/22 23:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:37	08/29/22 23:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:37	08/29/22 23:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/25/22 13:37	08/29/22 23:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:37	08/29/22 23:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/25/22 13:37	08/29/22 23:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130	08/25/22 13:37	08/29/22 23:24	1
1,4-Difluorobenzene (Surr)	100		70 - 130	08/25/22 13:37	08/29/22 23:24	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/26/22 04:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/26/22 04:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/26/22 04:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	08/25/22 09:51	08/26/22 04:09	1
o-Terphenyl	92		70 - 130	08/25/22 09:51	08/26/22 04:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280		5.03		mg/Kg			08/29/22 07:31	1

Client Sample ID: BH-15 (29'-30')

Lab Sample ID: 880-18485-18

Date Collected: 08/22/22 14:50

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/29/22 11:04	08/30/22 05:47	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/29/22 11:04	08/30/22 05:47	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/29/22 11:04	08/30/22 05:47	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/29/22 11:04	08/30/22 05:47	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/29/22 11:04	08/30/22 05:47	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/29/22 11:04	08/30/22 05:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	08/29/22 11:04	08/30/22 05:47	1
1,4-Difluorobenzene (Surr)	98		70 - 130	08/29/22 11:04	08/30/22 05:47	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-15 (29'-30')

Lab Sample ID: 880-18485-18

Date Collected: 08/22/22 14:50

Matrix: Solid

Date Received: 08/24/22 14:18

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 09:51	08/26/22 04:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 09:51	08/26/22 04:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 09:51	08/26/22 04:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	08/25/22 09:51	08/26/22 04:30	1
o-Terphenyl	89		70 - 130	08/25/22 09:51	08/26/22 04:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		5.02		mg/Kg			08/29/22 07:40	1

Client Sample ID: BH-14 (0'-1')

Lab Sample ID: 880-18485-19

Date Collected: 08/22/22 15:00

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/29/22 11:04	08/30/22 06:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/29/22 11:04	08/30/22 06:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/29/22 11:04	08/30/22 06:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/29/22 11:04	08/30/22 06:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/29/22 11:04	08/30/22 06:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/29/22 11:04	08/30/22 06:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	08/29/22 11:04	08/30/22 06:07	1
1,4-Difluorobenzene (Surr)	100		70 - 130	08/29/22 11:04	08/30/22 06:07	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/26/22 04:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 09:51	08/26/22 04:52	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-14 (0'-1')

Lab Sample ID: 880-18485-19

Date Collected: 08/22/22 15:00

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 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		08/25/22 09:51	08/26/22 04:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				08/25/22 09:51	08/26/22 04:52	1
o-Terphenyl	93		70 - 130				08/25/22 09:51	08/26/22 04:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2770		24.9		mg/Kg			08/29/22 07:49	5

Client Sample ID: BH-14 (2'-3')

Lab Sample ID: 880-18485-20

Date Collected: 08/22/22 15:05

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/29/22 11:04	08/30/22 06:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/29/22 11:04	08/30/22 06:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/29/22 11:04	08/30/22 06:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/29/22 11:04	08/30/22 06:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/29/22 11:04	08/30/22 06:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/29/22 11:04	08/30/22 06:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				08/29/22 11:04	08/30/22 06:28	1
1,4-Difluorobenzene (Surr)	104		70 - 130				08/29/22 11:04	08/30/22 06:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 09:51	08/26/22 05:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 09:51	08/26/22 05:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 09:51	08/26/22 05:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				08/25/22 09:51	08/26/22 05:13	1
o-Terphenyl	96		70 - 130				08/25/22 09:51	08/26/22 05:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3440		25.0		mg/Kg			08/29/22 07:58	5

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
SDG: Lea County New Mexico

Client Sample ID: BH-14 (4'-5')

Lab Sample ID: 880-18485-21

Date Collected: 08/22/22 15:10

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:47	08/30/22 03:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:47	08/30/22 03:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:47	08/30/22 03:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/25/22 13:47	08/30/22 03:11	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		08/25/22 13:47	08/30/22 03:11	1
Xylenes, Total	<0.00398	U **	0.00398		mg/Kg		08/25/22 13:47	08/30/22 03:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	08/25/22 13:47	08/30/22 03:11	1
1,4-Difluorobenzene (Surr)	89		70 - 130	08/25/22 13:47	08/30/22 03:11	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 11:15	08/25/22 21:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 11:15	08/25/22 21:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 11:15	08/25/22 21:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	08/25/22 11:15	08/25/22 21:27	1
o-Terphenyl	81		70 - 130	08/25/22 11:15	08/25/22 21:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2780		25.1		mg/Kg			08/28/22 03:25	5

Client Sample ID: BH-14 (6'-7')

Lab Sample ID: 880-18485-22

Date Collected: 08/22/22 15:15

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:47	08/30/22 03:36	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:47	08/30/22 03:36	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:47	08/30/22 03:36	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/25/22 13:47	08/30/22 03:36	1
o-Xylene	<0.00198	U **	0.00198		mg/Kg		08/25/22 13:47	08/30/22 03:36	1
Xylenes, Total	<0.00397	U **	0.00397		mg/Kg		08/25/22 13:47	08/30/22 03:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130	08/25/22 13:47	08/30/22 03:36	1
1,4-Difluorobenzene (Surr)	101		70 - 130	08/25/22 13:47	08/30/22 03:36	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-14 (6'-7')

Lab Sample ID: 880-18485-22

Date Collected: 08/22/22 15:15

Matrix: Solid

Date Received: 08/24/22 14:18

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 11:15	08/25/22 22:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 11:15	08/25/22 22:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 11:15	08/25/22 22:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	08/25/22 11:15	08/25/22 22:31	1
o-Terphenyl	86		70 - 130	08/25/22 11:15	08/25/22 22:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3640		24.9		mg/Kg			08/28/22 03:48	5

Client Sample ID: BH-14 (9'-10')

Lab Sample ID: 880-18485-23

Date Collected: 08/22/22 15:20

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:47	08/30/22 04:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:47	08/30/22 04:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:47	08/30/22 04:01	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/25/22 13:47	08/30/22 04:01	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/25/22 13:47	08/30/22 04:01	1
Xylenes, Total	<0.00401	U **	0.00401		mg/Kg		08/25/22 13:47	08/30/22 04:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130	08/25/22 13:47	08/30/22 04:01	1
1,4-Difluorobenzene (Surr)	99		70 - 130	08/25/22 13:47	08/30/22 04:01	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/25/22 22:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/25/22 22:52	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-14 (9'-10')

Lab Sample ID: 880-18485-23

Date Collected: 08/22/22 15:20

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 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		08/25/22 11:15	08/25/22 22:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				08/25/22 11:15	08/25/22 22:52	1
o-Terphenyl	94		70 - 130				08/25/22 11:15	08/25/22 22:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6750		50.3		mg/Kg			08/28/22 03:56	10

Client Sample ID: BH-14 (14'-15')

Lab Sample ID: 880-18485-24

Date Collected: 08/22/22 15:25

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:47	08/30/22 04:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:47	08/30/22 04:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:47	08/30/22 04:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/25/22 13:47	08/30/22 04:26	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		08/25/22 13:47	08/30/22 04:26	1
Xylenes, Total	<0.00398	U **	0.00398		mg/Kg		08/25/22 13:47	08/30/22 04:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	157	S1+	70 - 130				08/25/22 13:47	08/30/22 04:26	1
1,4-Difluorobenzene (Surr)	102		70 - 130				08/25/22 13:47	08/30/22 04:26	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 11:15	08/25/22 23:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 11:15	08/25/22 23:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 11:15	08/25/22 23:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				08/25/22 11:15	08/25/22 23:13	1
o-Terphenyl	103		70 - 130				08/25/22 11:15	08/25/22 23:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3580		25.2		mg/Kg			08/28/22 04:04	5

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-14 (19'-20')

Lab Sample ID: 880-18485-25

Date Collected: 08/22/22 15:30

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:47	08/30/22 04:52	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:47	08/30/22 04:52	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:47	08/30/22 04:52	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/25/22 13:47	08/30/22 04:52	1
o-Xylene	<0.00202	U**	0.00202		mg/Kg		08/25/22 13:47	08/30/22 04:52	1
Xylenes, Total	<0.00404	U**	0.00404		mg/Kg		08/25/22 13:47	08/30/22 04:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	08/25/22 13:47	08/30/22 04:52	1
1,4-Difluorobenzene (Surr)	93		70 - 130	08/25/22 13:47	08/30/22 04:52	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/25/22 23:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/25/22 23:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/25/22 23:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	08/25/22 11:15	08/25/22 23:34	1
o-Terphenyl	97		70 - 130	08/25/22 11:15	08/25/22 23:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	718		5.04		mg/Kg			08/28/22 04:12	1

Client Sample ID: BH-14 (24'-25')

Lab Sample ID: 880-18485-26

Date Collected: 08/22/22 15:40

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:47	08/30/22 05:17	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:47	08/30/22 05:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:47	08/30/22 05:17	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/25/22 13:47	08/30/22 05:17	1
o-Xylene	<0.00202	U**	0.00202		mg/Kg		08/25/22 13:47	08/30/22 05:17	1
Xylenes, Total	<0.00403	U**	0.00403		mg/Kg		08/25/22 13:47	08/30/22 05:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130	08/25/22 13:47	08/30/22 05:17	1
1,4-Difluorobenzene (Surr)	101		70 - 130	08/25/22 13:47	08/30/22 05:17	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-14 (24'-25')

Lab Sample ID: 880-18485-26

Date Collected: 08/22/22 15:40

Matrix: Solid

Date Received: 08/24/22 14:18

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 11:15	08/25/22 23:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 11:15	08/25/22 23:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 11:15	08/25/22 23:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	08/25/22 11:15	08/25/22 23:55	1
o-Terphenyl	85		70 - 130	08/25/22 11:15	08/25/22 23:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	591		5.05		mg/Kg			08/28/22 04:36	1

Client Sample ID: BH-14 (29'-30')

Lab Sample ID: 880-18485-27

Date Collected: 08/22/22 15:50

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:47	08/30/22 05:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:47	08/30/22 05:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:47	08/30/22 05:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/25/22 13:47	08/30/22 05:42	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		08/25/22 13:47	08/30/22 05:42	1
Xylenes, Total	<0.00398	U **	0.00398		mg/Kg		08/25/22 13:47	08/30/22 05:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	08/25/22 13:47	08/30/22 05:42	1
1,4-Difluorobenzene (Surr)	96		70 - 130	08/25/22 13:47	08/30/22 05:42	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/26/22 00:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/26/22 00:16	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-14 (29'-30')

Lab Sample ID: 880-18485-27

Date Collected: 08/22/22 15:50

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 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		08/25/22 11:15	08/26/22 00:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				08/25/22 11:15	08/26/22 00:16	1
o-Terphenyl	86		70 - 130				08/25/22 11:15	08/26/22 00:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	168		4.99		mg/Kg			08/28/22 04:43	1

Client Sample ID: BH-13 (0'-1')

Lab Sample ID: 880-18485-28

Date Collected: 08/23/22 10:00

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:47	08/30/22 06:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:47	08/30/22 06:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:47	08/30/22 06:07	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/25/22 13:47	08/30/22 06:07	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/25/22 13:47	08/30/22 06:07	1
Xylenes, Total	<0.00401	U **	0.00401		mg/Kg		08/25/22 13:47	08/30/22 06:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130				08/25/22 13:47	08/30/22 06:07	1
1,4-Difluorobenzene (Surr)	101		70 - 130				08/25/22 13:47	08/30/22 06:07	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/26/22 00:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/26/22 00:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/26/22 00:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				08/25/22 11:15	08/26/22 00:37	1
o-Terphenyl	82		70 - 130				08/25/22 11:15	08/26/22 00:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2920		24.9		mg/Kg			08/28/22 04:51	5

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
SDG: Lea County New Mexico

Client Sample ID: BH-13 (2'-3')

Lab Sample ID: 880-18485-29

Date Collected: 08/23/22 10:05

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:47	08/30/22 06:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:47	08/30/22 06:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:47	08/30/22 06:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/25/22 13:47	08/30/22 06:33	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/25/22 13:47	08/30/22 06:33	1
Xylenes, Total	<0.00399	U **	0.00399		mg/Kg		08/25/22 13:47	08/30/22 06:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130	08/25/22 13:47	08/30/22 06:33	1
1,4-Difluorobenzene (Surr)	101		70 - 130	08/25/22 13:47	08/30/22 06:33	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 11:15	08/26/22 00:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 11:15	08/26/22 00:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 11:15	08/26/22 00:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	08/25/22 11:15	08/26/22 00:58	1
o-Terphenyl	83		70 - 130	08/25/22 11:15	08/26/22 00:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2870		25.2		mg/Kg			08/28/22 04:59	5

Client Sample ID: BH-13 (4'-5')

Lab Sample ID: 880-18485-30

Date Collected: 08/23/22 10:10

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:47	08/30/22 06:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:47	08/30/22 06:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:47	08/30/22 06:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/25/22 13:47	08/30/22 06:59	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/25/22 13:47	08/30/22 06:59	1
Xylenes, Total	<0.00400	U **	0.00400		mg/Kg		08/25/22 13:47	08/30/22 06:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130	08/25/22 13:47	08/30/22 06:59	1
1,4-Difluorobenzene (Surr)	95		70 - 130	08/25/22 13:47	08/30/22 06:59	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-13 (4'-5')

Lab Sample ID: 880-18485-30

Date Collected: 08/23/22 10:10

Matrix: Solid

Date Received: 08/24/22 14:18

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/26/22 01:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/26/22 01:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/26/22 01:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				08/25/22 11:15	08/26/22 01:19	1
o-Terphenyl	82		70 - 130				08/25/22 11:15	08/26/22 01:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3660		25.0		mg/Kg			08/28/22 05:07	5

Client Sample ID: BH-13 (6'-7')

Lab Sample ID: 880-18485-31

Date Collected: 08/23/22 10:15

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:47	08/30/22 08:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:47	08/30/22 08:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:47	08/30/22 08:45	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/25/22 13:47	08/30/22 08:45	1
o-Xylene	<0.00198	U **	0.00198		mg/Kg		08/25/22 13:47	08/30/22 08:45	1
Xylenes, Total	<0.00397	U **	0.00397		mg/Kg		08/25/22 13:47	08/30/22 08:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				08/25/22 13:47	08/30/22 08:45	1
1,4-Difluorobenzene (Surr)	80		70 - 130				08/25/22 13:47	08/30/22 08:45	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/26/22 02:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/26/22 02:02	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-13 (6'-7')

Lab Sample ID: 880-18485-31

Date Collected: 08/23/22 10:15

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 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		08/25/22 11:15	08/26/22 02:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				08/25/22 11:15	08/26/22 02:02	1
o-Terphenyl	106		70 - 130				08/25/22 11:15	08/26/22 02:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6330		50.5		mg/Kg			08/28/22 05:15	10

Client Sample ID: BH-13 (9'-10')

Lab Sample ID: 880-18485-32

Date Collected: 08/23/22 10:20

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:47	08/30/22 09:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:47	08/30/22 09:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:47	08/30/22 09:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/25/22 13:47	08/30/22 09:11	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		08/25/22 13:47	08/30/22 09:11	1
Xylenes, Total	<0.00398	U **	0.00398		mg/Kg		08/25/22 13:47	08/30/22 09:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				08/25/22 13:47	08/30/22 09:11	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/25/22 13:47	08/30/22 09:11	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/26/22 02:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/26/22 02:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/26/22 02:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				08/25/22 11:15	08/26/22 02:23	1
o-Terphenyl	84		70 - 130				08/25/22 11:15	08/26/22 02:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1600		24.9		mg/Kg			08/28/22 05:38	5

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-13 (14'-15')

Lab Sample ID: 880-18485-33

Date Collected: 08/23/22 10:25

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0107		0.00201		mg/Kg		08/25/22 13:47	08/30/22 09:36	1
Toluene	0.00710		0.00201		mg/Kg		08/25/22 13:47	08/30/22 09:36	1
Ethylbenzene	0.00372		0.00201		mg/Kg		08/25/22 13:47	08/30/22 09:36	1
m-Xylene & p-Xylene	0.0149		0.00402		mg/Kg		08/25/22 13:47	08/30/22 09:36	1
o-Xylene	0.00259	+	0.00201		mg/Kg		08/25/22 13:47	08/30/22 09:36	1
Xylenes, Total	0.0175	+	0.00402		mg/Kg		08/25/22 13:47	08/30/22 09:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	54927	S1+	70 - 130	08/25/22 13:47	08/30/22 09:36	1
1,4-Difluorobenzene (Surr)	567	S1+	70 - 130	08/25/22 13:47	08/30/22 09:36	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0390		0.00402		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/26/22 02:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/26/22 02:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/26/22 02:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130	08/25/22 11:15	08/26/22 02:44	1
o-Terphenyl	80		70 - 130	08/25/22 11:15	08/26/22 02:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		5.03		mg/Kg			08/28/22 05:46	1

Client Sample ID: BH-13 (19'-20')

Lab Sample ID: 880-18485-34

Date Collected: 08/23/22 10:30

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:47	08/30/22 10:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:47	08/30/22 10:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:47	08/30/22 10:02	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/25/22 13:47	08/30/22 10:02	1
o-Xylene	<0.00200	U *	0.00200		mg/Kg		08/25/22 13:47	08/30/22 10:02	1
Xylenes, Total	<0.00401	U *	0.00401		mg/Kg		08/25/22 13:47	08/30/22 10:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	08/25/22 13:47	08/30/22 10:02	1
1,4-Difluorobenzene (Surr)	102		70 - 130	08/25/22 13:47	08/30/22 10:02	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-13 (19'-20')

Lab Sample ID: 880-18485-34

Date Collected: 08/23/22 10:30

Matrix: Solid

Date Received: 08/24/22 14:18

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 11:15	08/26/22 03:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 11:15	08/26/22 03:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 11:15	08/26/22 03:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				08/25/22 11:15	08/26/22 03:05	1
o-Terphenyl	77		70 - 130				08/25/22 11:15	08/26/22 03:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	171		5.00		mg/Kg			08/28/22 06:10	1

Client Sample ID: BH-13 (24'-25')

Lab Sample ID: 880-18485-35

Date Collected: 08/23/22 10:35

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:47	08/30/22 10:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:47	08/30/22 10:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:47	08/30/22 10:28	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/25/22 13:47	08/30/22 10:28	1
o-Xylene	<0.00202	U **	0.00202		mg/Kg		08/25/22 13:47	08/30/22 10:28	1
Xylenes, Total	<0.00403	U **	0.00403		mg/Kg		08/25/22 13:47	08/30/22 10:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				08/25/22 13:47	08/30/22 10:28	1
1,4-Difluorobenzene (Surr)	100		70 - 130				08/25/22 13:47	08/30/22 10:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 11:15	08/26/22 03:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 11:15	08/26/22 03:26	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-13 (24'-25')

Lab Sample ID: 880-18485-35

Date Collected: 08/23/22 10:35

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 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		08/25/22 11:15	08/26/22 03:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				08/25/22 11:15	08/26/22 03:26	1
o-Terphenyl	82		70 - 130				08/25/22 11:15	08/26/22 03:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220		5.00		mg/Kg			08/28/22 06:18	1

Client Sample ID: BH-13 (29'-30')

Lab Sample ID: 880-18485-36

Date Collected: 08/23/22 10:40

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:47	08/30/22 10:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:47	08/30/22 10:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:47	08/30/22 10:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/25/22 13:47	08/30/22 10:54	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/25/22 13:47	08/30/22 10:54	1
Xylenes, Total	<0.00399	U **	0.00399		mg/Kg		08/25/22 13:47	08/30/22 10:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				08/25/22 13:47	08/30/22 10:54	1
1,4-Difluorobenzene (Surr)	83		70 - 130				08/25/22 13:47	08/30/22 10:54	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/26/22 03:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/26/22 03:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/26/22 03:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				08/25/22 11:15	08/26/22 03:48	1
o-Terphenyl	79		70 - 130				08/25/22 11:15	08/26/22 03:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		4.99		mg/Kg			08/28/22 06:25	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
SDG: Lea County New Mexico

Client Sample ID: BH-12 (0'-1')

Lab Sample ID: 880-18485-37

Date Collected: 08/23/22 11:00

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:47	08/30/22 11:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:47	08/30/22 11:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:47	08/30/22 11:19	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/25/22 13:47	08/30/22 11:19	1
o-Xylene	<0.00198	U **	0.00198		mg/Kg		08/25/22 13:47	08/30/22 11:19	1
Xylenes, Total	<0.00396	U **	0.00396		mg/Kg		08/25/22 13:47	08/30/22 11:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	08/25/22 13:47	08/30/22 11:19	1
1,4-Difluorobenzene (Surr)	98		70 - 130	08/25/22 13:47	08/30/22 11:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/26/22 04:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/26/22 04:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/26/22 04:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130	08/25/22 11:15	08/26/22 04:09	1
o-Terphenyl	77		70 - 130	08/25/22 11:15	08/26/22 04:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2870		24.8		mg/Kg			08/28/22 06:33	5

Client Sample ID: BH-12 (2'-3')

Lab Sample ID: 880-18485-38

Date Collected: 08/23/22 11:05

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:47	08/30/22 11:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:47	08/30/22 11:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:47	08/30/22 11:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/25/22 13:47	08/30/22 11:45	1
o-Xylene	<0.00201	U **	0.00201		mg/Kg		08/25/22 13:47	08/30/22 11:45	1
Xylenes, Total	<0.00402	U **	0.00402		mg/Kg		08/25/22 13:47	08/30/22 11:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130	08/25/22 13:47	08/30/22 11:45	1
1,4-Difluorobenzene (Surr)	97		70 - 130	08/25/22 13:47	08/30/22 11:45	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-12 (2'-3')

Lab Sample ID: 880-18485-38

Date Collected: 08/23/22 11:05

Matrix: Solid

Date Received: 08/24/22 14:18

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 11:15	08/26/22 04:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 11:15	08/26/22 04:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 11:15	08/26/22 04:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				08/25/22 11:15	08/26/22 04:30	1
o-Terphenyl	86		70 - 130				08/25/22 11:15	08/26/22 04:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7920		49.8		mg/Kg			08/28/22 06:41	10

Client Sample ID: BH-12 (4'-5')

Lab Sample ID: 880-18485-39

Date Collected: 08/23/22 11:10

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:47	08/30/22 12:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:47	08/30/22 12:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:47	08/30/22 12:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/25/22 13:47	08/30/22 12:11	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		08/25/22 13:47	08/30/22 12:11	1
Xylenes, Total	<0.00398	U **	0.00398		mg/Kg		08/25/22 13:47	08/30/22 12:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130				08/25/22 13:47	08/30/22 12:11	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/25/22 13:47	08/30/22 12:11	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/26/22 04:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/26/22 04:52	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-12 (4'-5')

Lab Sample ID: 880-18485-39

Date Collected: 08/23/22 11:10

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 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		08/25/22 11:15	08/26/22 04:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				08/25/22 11:15	08/26/22 04:52	1
o-Terphenyl	96		70 - 130				08/25/22 11:15	08/26/22 04:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7340		50.4		mg/Kg			08/28/22 06:49	10

Client Sample ID: BH-12 (6'-7')

Lab Sample ID: 880-18485-40

Date Collected: 08/23/22 11:15

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:47	08/30/22 12:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:47	08/30/22 12:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:47	08/30/22 12:37	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/25/22 13:47	08/30/22 12:37	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/25/22 13:47	08/30/22 12:37	1
Xylenes, Total	<0.00401	U **	0.00401		mg/Kg		08/25/22 13:47	08/30/22 12:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130				08/25/22 13:47	08/30/22 12:37	1
1,4-Difluorobenzene (Surr)	100		70 - 130				08/25/22 13:47	08/30/22 12:37	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 11:15	08/26/22 05:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 11:15	08/26/22 05:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 11:15	08/26/22 05:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				08/25/22 11:15	08/26/22 05:13	1
o-Terphenyl	91		70 - 130				08/25/22 11:15	08/26/22 05:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3220		25.1		mg/Kg			08/28/22 06:57	5

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-12 (9'-10')

Lab Sample ID: 880-18485-41

Date Collected: 08/23/22 11:20

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F2 F1	0.00199		mg/Kg		08/25/22 13:53	09/01/22 11:22	1
Toluene	0.00261	F2 F1	0.00199		mg/Kg		08/25/22 13:53	09/01/22 11:22	1
Ethylbenzene	<0.00199	U F2	0.00199		mg/Kg		08/25/22 13:53	09/01/22 11:22	1
m-Xylene & p-Xylene	<0.00398	U F2	0.00398		mg/Kg		08/25/22 13:53	09/01/22 11:22	1
o-Xylene	<0.00199	U F2 F1	0.00199		mg/Kg		08/25/22 13:53	09/01/22 11:22	1
Xylenes, Total	<0.00398	U F2	0.00398		mg/Kg		08/25/22 13:53	09/01/22 11:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	08/25/22 13:53	09/01/22 11:22	1
1,4-Difluorobenzene (Surr)	94		70 - 130	08/25/22 13:53	09/01/22 11:22	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 12:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 12:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 12:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130	08/25/22 11:19	08/26/22 12:11	1
o-Terphenyl	81		70 - 130	08/25/22 11:19	08/26/22 12:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1850		24.9		mg/Kg			08/28/22 08:00	5

Client Sample ID: BH-12 (14'-15')

Lab Sample ID: 880-18485-42

Date Collected: 08/23/22 11:25

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 11:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 11:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 11:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/25/22 13:53	09/01/22 11:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 11:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/25/22 13:53	09/01/22 11:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	08/25/22 13:53	09/01/22 11:43	1
1,4-Difluorobenzene (Surr)	90		70 - 130	08/25/22 13:53	09/01/22 11:43	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-12 (14'-15')

Lab Sample ID: 880-18485-42

Date Collected: 08/23/22 11:25

Matrix: Solid

Date Received: 08/24/22 14:18

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 13:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 13:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 13:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				08/25/22 11:19	08/26/22 13:14	1
o-Terphenyl	86		70 - 130				08/25/22 11:19	08/26/22 13:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	686		5.04		mg/Kg			08/28/22 08:23	1

Client Sample ID: BH-12 (19'-20')

Lab Sample ID: 880-18485-43

Date Collected: 08/23/22 11:30

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 12:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 12:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 12:03	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/25/22 13:53	09/01/22 12:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 12:03	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/25/22 13:53	09/01/22 12:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				08/25/22 13:53	09/01/22 12:03	1
1,4-Difluorobenzene (Surr)	85		70 - 130				08/25/22 13:53	09/01/22 12:03	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 13:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 13:34	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-12 (19'-20')

Lab Sample ID: 880-18485-43

Date Collected: 08/23/22 11:30

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 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		08/25/22 11:19	08/26/22 13:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				08/25/22 11:19	08/26/22 13:34	1
o-Terphenyl	84		70 - 130				08/25/22 11:19	08/26/22 13:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	620		5.03		mg/Kg			08/28/22 08:31	1

Client Sample ID: BH-12 (24'-25')

Lab Sample ID: 880-18485-44

Date Collected: 08/23/22 11:35

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:53	09/01/22 12:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:53	09/01/22 12:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:53	09/01/22 12:23	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/25/22 13:53	09/01/22 12:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:53	09/01/22 12:23	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/25/22 13:53	09/01/22 12:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130				08/25/22 13:53	09/01/22 12:23	1
1,4-Difluorobenzene (Surr)	84		70 - 130				08/25/22 13:53	09/01/22 12:23	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 13:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 13:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 13:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				08/25/22 11:19	08/26/22 13:55	1
o-Terphenyl	83		70 - 130				08/25/22 11:19	08/26/22 13:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	194		5.00		mg/Kg			08/28/22 08:39	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-12 (29'-30')

Lab Sample ID: 880-18485-45

Date Collected: 08/23/22 11:40

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:53	09/01/22 12:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:53	09/01/22 12:44	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:53	09/01/22 12:44	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/25/22 13:53	09/01/22 12:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:53	09/01/22 12:44	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/25/22 13:53	09/01/22 12:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	08/25/22 13:53	09/01/22 12:44	1
1,4-Difluorobenzene (Surr)	80		70 - 130	08/25/22 13:53	09/01/22 12:44	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 14:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 14:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	08/25/22 11:19	08/26/22 14:16	1
o-Terphenyl	90		70 - 130	08/25/22 11:19	08/26/22 14:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.2		5.00		mg/Kg			08/28/22 08:47	1

Client Sample ID: BH-11 (0'-1')

Lab Sample ID: 880-18485-46

Date Collected: 08/23/22 12:00

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:53	09/01/22 13:04	1
Toluene	0.00299		0.00202		mg/Kg		08/25/22 13:53	09/01/22 13:04	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:53	09/01/22 13:04	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/25/22 13:53	09/01/22 13:04	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:53	09/01/22 13:04	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/25/22 13:53	09/01/22 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	08/25/22 13:53	09/01/22 13:04	1
1,4-Difluorobenzene (Surr)	99		70 - 130	08/25/22 13:53	09/01/22 13:04	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-11 (0'-1')

Lab Sample ID: 880-18485-46

Date Collected: 08/23/22 12:00

Matrix: Solid

Date Received: 08/24/22 14:18

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 14:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 14:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 14:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				08/25/22 11:19	08/26/22 14:37	1
o-Terphenyl	89		70 - 130				08/25/22 11:19	08/26/22 14:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	380		5.02		mg/Kg			08/28/22 09:10	1

Client Sample ID: BH-11 (2'-3')

Lab Sample ID: 880-18485-47

Date Collected: 08/23/22 12:05

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 13:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 13:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 13:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/25/22 13:53	09/01/22 13:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 13:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/25/22 13:53	09/01/22 13:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				08/25/22 13:53	09/01/22 13:25	1
1,4-Difluorobenzene (Surr)	77		70 - 130				08/25/22 13:53	09/01/22 13:25	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 14:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 14:58	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-11 (2'-3')

Lab Sample ID: 880-18485-47

Date Collected: 08/23/22 12:05

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 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		08/25/22 11:19	08/26/22 14:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				08/25/22 11:19	08/26/22 14:58	1
o-Terphenyl	86		70 - 130				08/25/22 11:19	08/26/22 14:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.5		4.96		mg/Kg			08/28/22 09:18	1

Client Sample ID: BH-11 (4'-5')

Lab Sample ID: 880-18485-48

Date Collected: 08/23/22 12:10

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 13:45	1
Toluene	0.00251		0.00200		mg/Kg		08/25/22 13:53	09/01/22 13:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 13:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/25/22 13:53	09/01/22 13:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 13:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/25/22 13:53	09/01/22 13:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				08/25/22 13:53	09/01/22 13:45	1
1,4-Difluorobenzene (Surr)	104		70 - 130				08/25/22 13:53	09/01/22 13:45	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 15:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 15:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 15:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				08/25/22 11:19	08/26/22 15:19	1
o-Terphenyl	83		70 - 130				08/25/22 11:19	08/26/22 15:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	111		4.95		mg/Kg			08/28/22 09:26	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
SDG: Lea County New Mexico

Client Sample ID: BH-11 (6'-7')

Lab Sample ID: 880-18485-49

Date Collected: 08/23/22 12:15

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:53	09/01/22 14:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:53	09/01/22 14:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:53	09/01/22 14:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/25/22 13:53	09/01/22 14:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:53	09/01/22 14:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/25/22 13:53	09/01/22 14:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	08/25/22 13:53	09/01/22 14:06	1
1,4-Difluorobenzene (Surr)	75		70 - 130	08/25/22 13:53	09/01/22 14:06	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 15:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 15:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 15:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	08/25/22 11:19	08/26/22 15:40	1
o-Terphenyl	92		70 - 130	08/25/22 11:19	08/26/22 15:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.8		4.95		mg/Kg			08/28/22 09:34	1

Client Sample ID: BH-11 (9'-10')

Lab Sample ID: 880-18485-50

Date Collected: 08/23/22 12:20

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 14:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 14:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 14:26	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/25/22 13:53	09/01/22 14:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 14:26	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/25/22 13:53	09/01/22 14:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	08/25/22 13:53	09/01/22 14:26	1
1,4-Difluorobenzene (Surr)	88		70 - 130	08/25/22 13:53	09/01/22 14:26	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-11 (9'-10')

Lab Sample ID: 880-18485-50

Date Collected: 08/23/22 12:20

Matrix: Solid

Date Received: 08/24/22 14:18

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 16:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 16:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 16:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				08/25/22 11:19	08/26/22 16:01	1
o-Terphenyl	86		70 - 130				08/25/22 11:19	08/26/22 16:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.8		4.81		mg/Kg			08/28/22 09:42	1

Client Sample ID: BH-11 (14'-15')

Lab Sample ID: 880-18485-51

Date Collected: 08/23/22 12:25

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:53	09/01/22 15:49	1
Toluene	0.00282		0.00199		mg/Kg		08/25/22 13:53	09/01/22 15:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:53	09/01/22 15:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/25/22 13:53	09/01/22 15:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:53	09/01/22 15:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/25/22 13:53	09/01/22 15:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				08/25/22 13:53	09/01/22 15:49	1
1,4-Difluorobenzene (Surr)	98		70 - 130				08/25/22 13:53	09/01/22 15:49	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 16:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 16:43	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-11 (14'-15')

Lab Sample ID: 880-18485-51

Date Collected: 08/23/22 12:25

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 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		08/25/22 11:19	08/26/22 16:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				08/25/22 11:19	08/26/22 16:43	1
o-Terphenyl	98		70 - 130				08/25/22 11:19	08/26/22 16:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		5.02		mg/Kg			08/28/22 09:50	1

Client Sample ID: BH-11 (19'-20')

Lab Sample ID: 880-18485-52

Date Collected: 08/23/22 12:30

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:53	09/01/22 16:09	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:53	09/01/22 16:09	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:53	09/01/22 16:09	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/25/22 13:53	09/01/22 16:09	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:53	09/01/22 16:09	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/25/22 13:53	09/01/22 16:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				08/25/22 13:53	09/01/22 16:09	1
1,4-Difluorobenzene (Surr)	76		70 - 130				08/25/22 13:53	09/01/22 16:09	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 17:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 17:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 17:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				08/25/22 11:19	08/26/22 17:04	1
o-Terphenyl	86		70 - 130				08/25/22 11:19	08/26/22 17:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		4.97		mg/Kg			08/28/22 10:13	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
SDG: Lea County New Mexico

Client Sample ID: BH-11 (24'-25')

Lab Sample ID: 880-18485-53

Date Collected: 08/23/22 12:35

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 16:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 16:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 16:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/25/22 13:53	09/01/22 16:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 16:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/25/22 13:53	09/01/22 16:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	08/25/22 13:53	09/01/22 16:30	1
1,4-Difluorobenzene (Surr)	89		70 - 130	08/25/22 13:53	09/01/22 16:30	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 17:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 17:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	08/25/22 11:19	08/26/22 17:24	1
o-Terphenyl	87		70 - 130	08/25/22 11:19	08/26/22 17:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.2		4.95		mg/Kg			08/28/22 10:21	1

Client Sample ID: BH-11 (29'-30')

Lab Sample ID: 880-18485-54

Date Collected: 08/23/22 12:40

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:53	09/01/22 16:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:53	09/01/22 16:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:53	09/01/22 16:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/25/22 13:53	09/01/22 16:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:53	09/01/22 16:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/25/22 13:53	09/01/22 16:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	08/25/22 13:53	09/01/22 16:50	1
1,4-Difluorobenzene (Surr)	81		70 - 130	08/25/22 13:53	09/01/22 16:50	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-11 (29'-30')

Lab Sample ID: 880-18485-54

Date Collected: 08/23/22 12:40

Matrix: Solid

Date Received: 08/24/22 14:18

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 17:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 17:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 17:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				08/25/22 11:19	08/26/22 17:45	1
o-Terphenyl	87		70 - 130				08/25/22 11:19	08/26/22 17:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.9		4.96		mg/Kg			08/28/22 10:45	1

Client Sample ID: BH-10 (0'-1')

Lab Sample ID: 880-18485-55

Date Collected: 08/23/22 13:00

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 17:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 17:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 17:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/25/22 13:53	09/01/22 17:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 17:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/25/22 13:53	09/01/22 17:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				08/25/22 13:53	09/01/22 17:11	1
1,4-Difluorobenzene (Surr)	92		70 - 130				08/25/22 13:53	09/01/22 17:11	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 18:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 18:06	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-10 (0'-1')

Lab Sample ID: 880-18485-55

Date Collected: 08/23/22 13:00

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 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		08/25/22 11:19	08/26/22 18:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				08/25/22 11:19	08/26/22 18:06	1
o-Terphenyl	92		70 - 130				08/25/22 11:19	08/26/22 18:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3090		25.0		mg/Kg			08/28/22 10:52	5

Client Sample ID: BH-10 (2'-3')

Lab Sample ID: 880-18485-56

Date Collected: 08/23/22 13:05

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:53	09/01/22 17:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:53	09/01/22 17:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:53	09/01/22 17:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/25/22 13:53	09/01/22 17:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:53	09/01/22 17:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/25/22 13:53	09/01/22 17:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				08/25/22 13:53	09/01/22 17:31	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/25/22 13:53	09/01/22 17:31	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 18:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 18:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				08/25/22 11:19	08/26/22 18:28	1
o-Terphenyl	87		70 - 130				08/25/22 11:19	08/26/22 18:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5660		25.3		mg/Kg			08/28/22 11:00	5

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
SDG: Lea County New Mexico

Client Sample ID: BH-10 (4'-5')

Lab Sample ID: 880-18485-57

Date Collected: 08/23/22 13:10

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 17:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 17:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 17:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/25/22 13:53	09/01/22 17:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 17:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/25/22 13:53	09/01/22 17:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	08/25/22 13:53	09/01/22 17:52	1
1,4-Difluorobenzene (Surr)	89		70 - 130	08/25/22 13:53	09/01/22 17:52	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 18:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 18:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 18:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130	08/25/22 11:19	08/26/22 18:48	1
o-Terphenyl	79		70 - 130	08/25/22 11:19	08/26/22 18:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5000		50.3		mg/Kg			08/28/22 11:08	10

Client Sample ID: BH-10 (6'-7')

Lab Sample ID: 880-18485-58

Date Collected: 08/23/22 13:15

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:53	09/01/22 18:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:53	09/01/22 18:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:53	09/01/22 18:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/25/22 13:53	09/01/22 18:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:53	09/01/22 18:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/25/22 13:53	09/01/22 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	08/25/22 13:53	09/01/22 18:12	1
1,4-Difluorobenzene (Surr)	91		70 - 130	08/25/22 13:53	09/01/22 18:12	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-10 (6'-7')

Lab Sample ID: 880-18485-58

Date Collected: 08/23/22 13:15

Matrix: Solid

Date Received: 08/24/22 14:18

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 19:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 19:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 19:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				08/25/22 11:19	08/26/22 19:09	1
o-Terphenyl	84		70 - 130				08/25/22 11:19	08/26/22 19:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	621		4.97		mg/Kg			08/28/22 11:16	1

Client Sample ID: BH-10 (9'-10')

Lab Sample ID: 880-18485-59

Date Collected: 08/23/22 13:20

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:53	09/01/22 18:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:53	09/01/22 18:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:53	09/01/22 18:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/25/22 13:53	09/01/22 18:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:53	09/01/22 18:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/25/22 13:53	09/01/22 18:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				08/25/22 13:53	09/01/22 18:32	1
1,4-Difluorobenzene (Surr)	86		70 - 130				08/25/22 13:53	09/01/22 18:32	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 19:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 19:30	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-10 (9'-10')

Lab Sample ID: 880-18485-59

Date Collected: 08/23/22 13:20

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 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		08/25/22 11:19	08/26/22 19:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				08/25/22 11:19	08/26/22 19:30	1
o-Terphenyl	91		70 - 130				08/25/22 11:19	08/26/22 19:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	528		5.00		mg/Kg			08/28/22 11:24	1

Client Sample ID: BH-10 (14'-15')

Lab Sample ID: 880-18485-60

Date Collected: 08/23/22 13:25

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 18:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 18:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 18:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/25/22 13:53	09/01/22 18:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 18:53	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/25/22 13:53	09/01/22 18:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				08/25/22 13:53	09/01/22 18:53	1
1,4-Difluorobenzene (Surr)	95		70 - 130				08/25/22 13:53	09/01/22 18:53	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 19:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 19:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 11:19	08/26/22 19:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				08/25/22 11:19	08/26/22 19:51	1
o-Terphenyl	96		70 - 130				08/25/22 11:19	08/26/22 19:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	593		4.96		mg/Kg			08/28/22 11:32	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-10 (19'-20')

Lab Sample ID: 880-18485-61

Date Collected: 08/23/22 13:30

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 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		08/25/22 13:58	09/01/22 22:36	1
Toluene	<0.00201	U F1	0.00201		mg/Kg		08/25/22 13:58	09/01/22 22:36	1
Ethylbenzene	<0.00201	U F1	0.00201		mg/Kg		08/25/22 13:58	09/01/22 22:36	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402		mg/Kg		08/25/22 13:58	09/01/22 22:36	1
o-Xylene	<0.00201	U F1	0.00201		mg/Kg		08/25/22 13:58	09/01/22 22:36	1
Xylenes, Total	<0.00402	U F1	0.00402		mg/Kg		08/25/22 13:58	09/01/22 22:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	08/25/22 13:58	09/01/22 22:36	1
1,4-Difluorobenzene (Surr)	84		70 - 130	08/25/22 13:58	09/01/22 22:36	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 13:12	08/27/22 12:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 13:12	08/27/22 12:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 13:12	08/27/22 12:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130	08/25/22 13:12	08/27/22 12:09	1
o-Terphenyl	114		70 - 130	08/25/22 13:12	08/27/22 12:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.1		4.99		mg/Kg			08/28/22 12:35	1

Client Sample ID: BH-10 (24'-25')

Lab Sample ID: 880-18485-62

Date Collected: 08/23/22 13:35

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:58	09/01/22 22:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:58	09/01/22 22:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:58	09/01/22 22:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/25/22 13:58	09/01/22 22:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:58	09/01/22 22:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/25/22 13:58	09/01/22 22:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	08/25/22 13:58	09/01/22 22:57	1
1,4-Difluorobenzene (Surr)	83		70 - 130	08/25/22 13:58	09/01/22 22:57	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-10 (24'-25')

Lab Sample ID: 880-18485-62

Date Collected: 08/23/22 13:35

Matrix: Solid

Date Received: 08/24/22 14:18

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 13:12	08/27/22 13:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 13:12	08/27/22 13:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 13:12	08/27/22 13:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				08/25/22 13:12	08/27/22 13:15	1
o-Terphenyl	98		70 - 130				08/25/22 13:12	08/27/22 13:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.3		5.02		mg/Kg			08/28/22 16:03	1

Client Sample ID: BH-10 (29'-30')

Lab Sample ID: 880-18485-63

Date Collected: 08/23/22 13:40

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/01/22 23:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/01/22 23:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/01/22 23:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/25/22 13:58	09/01/22 23:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/01/22 23:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/25/22 13:58	09/01/22 23:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				08/25/22 13:58	09/01/22 23:17	1
1,4-Difluorobenzene (Surr)	78		70 - 130				08/25/22 13:58	09/01/22 23:17	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 13:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 13:37	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-10 (29'-30')

Lab Sample ID: 880-18485-63

Date Collected: 08/23/22 13:40

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 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		08/25/22 13:12	08/27/22 13:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				08/25/22 13:12	08/27/22 13:37	1
o-Terphenyl	119		70 - 130				08/25/22 13:12	08/27/22 13:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.5		50.1		mg/Kg			08/28/22 16:11	1

Client Sample ID: BH-09 (0'-1')

Lab Sample ID: 880-18485-64

Date Collected: 08/23/22 14:00

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/01/22 23:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/01/22 23:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/01/22 23:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/25/22 13:58	09/01/22 23:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/01/22 23:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/25/22 13:58	09/01/22 23:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				08/25/22 13:58	09/01/22 23:37	1
1,4-Difluorobenzene (Surr)	89		70 - 130				08/25/22 13:58	09/01/22 23:37	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 13:12	08/27/22 13:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 13:12	08/27/22 13:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 13:12	08/27/22 13:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				08/25/22 13:12	08/27/22 13:59	1
o-Terphenyl	114		70 - 130				08/25/22 13:12	08/27/22 13:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5050		50.1		mg/Kg			08/28/22 13:01	10

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-09 (2'-3')

Lab Sample ID: 880-18485-65

Date Collected: 08/23/22 14:05

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:58	09/01/22 23:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:58	09/01/22 23:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:58	09/01/22 23:58	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/25/22 13:58	09/01/22 23:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:58	09/01/22 23:58	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/25/22 13:58	09/01/22 23:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	08/25/22 13:58	09/01/22 23:58	1
1,4-Difluorobenzene (Surr)	84		70 - 130	08/25/22 13:58	09/01/22 23:58	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 14:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 14:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 14:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	08/25/22 13:12	08/27/22 14:21	1
o-Terphenyl	110		70 - 130	08/25/22 13:12	08/27/22 14:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6560		50.3		mg/Kg			08/28/22 16:18	10

Client Sample ID: BH-09 (4'-5')

Lab Sample ID: 880-18485-66

Date Collected: 08/23/22 14:10

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:58	09/02/22 00:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:58	09/02/22 00:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:58	09/02/22 00:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/25/22 13:58	09/02/22 00:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:58	09/02/22 00:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/25/22 13:58	09/02/22 00:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	08/25/22 13:58	09/02/22 00:18	1
1,4-Difluorobenzene (Surr)	92		70 - 130	08/25/22 13:58	09/02/22 00:18	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-09 (4'-5')

Lab Sample ID: 880-18485-66

Date Collected: 08/23/22 14:10

Matrix: Solid

Date Received: 08/24/22 14:18

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 13:12	08/27/22 14:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 13:12	08/27/22 14:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 13:12	08/27/22 14:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				08/25/22 13:12	08/27/22 14:42	1
o-Terphenyl	123		70 - 130				08/25/22 13:12	08/27/22 14:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10600		101		mg/Kg			08/28/22 13:25	20

Client Sample ID: BH-09 (6'-7')

Lab Sample ID: 880-18485-67

Date Collected: 08/23/22 14:15

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:58	09/02/22 00:39	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:58	09/02/22 00:39	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:58	09/02/22 00:39	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/25/22 13:58	09/02/22 00:39	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:58	09/02/22 00:39	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/25/22 13:58	09/02/22 00:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				08/25/22 13:58	09/02/22 00:39	1
1,4-Difluorobenzene (Surr)	82		70 - 130				08/25/22 13:58	09/02/22 00:39	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 15:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 15:04	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-09 (6'-7')

Lab Sample ID: 880-18485-67

Date Collected: 08/23/22 14:15

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 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		08/25/22 13:12	08/27/22 15:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				08/25/22 13:12	08/27/22 15:04	1
o-Terphenyl	127		70 - 130				08/25/22 13:12	08/27/22 15:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1330		24.9		mg/Kg			08/28/22 13:33	5

Client Sample ID: BH-09 (9'-10')

Lab Sample ID: 880-18485-68

Date Collected: 08/23/22 14:20

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:58	09/02/22 00:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:58	09/02/22 00:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:58	09/02/22 00:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/25/22 13:58	09/02/22 00:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:58	09/02/22 00:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/25/22 13:58	09/02/22 00:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				08/25/22 13:58	09/02/22 00:59	1
1,4-Difluorobenzene (Surr)	95		70 - 130				08/25/22 13:58	09/02/22 00:59	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/25/22 13:12	08/27/22 15:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/25/22 13:12	08/27/22 15:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/25/22 13:12	08/27/22 15:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				08/25/22 13:12	08/27/22 15:25	1
o-Terphenyl	107		70 - 130				08/25/22 13:12	08/27/22 15:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	995		4.96		mg/Kg			08/28/22 13:41	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-09 (14'-15')

Lab Sample ID: 880-18485-69

Date Collected: 08/23/22 14:25

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:58	09/02/22 01:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:58	09/02/22 01:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:58	09/02/22 01:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/25/22 13:58	09/02/22 01:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:58	09/02/22 01:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/25/22 13:58	09/02/22 01:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	08/25/22 13:58	09/02/22 01:20	1
1,4-Difluorobenzene (Surr)	84		70 - 130	08/25/22 13:58	09/02/22 01:20	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 13:12	08/27/22 15:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 13:12	08/27/22 15:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 13:12	08/27/22 15:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	08/25/22 13:12	08/27/22 15:47	1
o-Terphenyl	111		70 - 130	08/25/22 13:12	08/27/22 15:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109		4.96		mg/Kg			08/28/22 13:49	1

Client Sample ID: BH-09 (19'-20')

Lab Sample ID: 880-18485-70

Date Collected: 08/23/22 14:30

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/02/22 01:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/02/22 01:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/02/22 01:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/25/22 13:58	09/02/22 01:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/02/22 01:40	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/25/22 13:58	09/02/22 01:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	08/25/22 13:58	09/02/22 01:40	1
1,4-Difluorobenzene (Surr)	89		70 - 130	08/25/22 13:58	09/02/22 01:40	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-09 (19'-20')

Lab Sample ID: 880-18485-70

Date Collected: 08/23/22 14:30

Matrix: Solid

Date Received: 08/24/22 14:18

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 16:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 16:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 16:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130	08/25/22 13:12	08/27/22 16:08	1
o-Terphenyl	113		70 - 130	08/25/22 13:12	08/27/22 16:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.5		4.99		mg/Kg			08/28/22 13:57	1

Client Sample ID: BH-09 (24'-25')

Lab Sample ID: 880-18485-71

Date Collected: 08/23/22 14:35

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/02/22 03:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/02/22 03:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/02/22 03:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/25/22 13:58	09/02/22 03:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/02/22 03:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/25/22 13:58	09/02/22 03:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	08/25/22 13:58	09/02/22 03:01	1
1,4-Difluorobenzene (Surr)	86		70 - 130	08/25/22 13:58	09/02/22 03:01	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 13:12	08/27/22 16:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 13:12	08/27/22 16:51	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-09 (24'-25')

Lab Sample ID: 880-18485-71

Date Collected: 08/23/22 14:35

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 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		08/25/22 13:12	08/27/22 16:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				08/25/22 13:12	08/27/22 16:51	1
o-Terphenyl	109		70 - 130				08/25/22 13:12	08/27/22 16:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.5		5.00		mg/Kg			08/28/22 14:13	1

Client Sample ID: BH-09 (29'-30')

Lab Sample ID: 880-18485-72

Date Collected: 08/23/22 14:40

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:58	09/02/22 03:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:58	09/02/22 03:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:58	09/02/22 03:22	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/25/22 13:58	09/02/22 03:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:58	09/02/22 03:22	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/25/22 13:58	09/02/22 03:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				08/25/22 13:58	09/02/22 03:22	1
1,4-Difluorobenzene (Surr)	87		70 - 130				08/25/22 13:58	09/02/22 03:22	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 17:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 17:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 17:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				08/25/22 13:12	08/27/22 17:12	1
o-Terphenyl	123		70 - 130				08/25/22 13:12	08/27/22 17:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.4		5.03		mg/Kg			08/28/22 14:36	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-07 (0'-1')

Lab Sample ID: 880-18485-73

Date Collected: 08/23/22 15:00

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:58	09/02/22 03:42	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:58	09/02/22 03:42	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:58	09/02/22 03:42	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/25/22 13:58	09/02/22 03:42	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:58	09/02/22 03:42	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/25/22 13:58	09/02/22 03:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	08/25/22 13:58	09/02/22 03:42	1
1,4-Difluorobenzene (Surr)	89		70 - 130	08/25/22 13:58	09/02/22 03:42	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 17:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 17:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	08/25/22 13:12	08/27/22 17:33	1
o-Terphenyl	115		70 - 130	08/25/22 13:12	08/27/22 17:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3210		25.1		mg/Kg			08/28/22 14:44	5

Client Sample ID: BH-07 (2'-3')

Lab Sample ID: 880-18485-74

Date Collected: 08/23/22 15:05

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:58	09/02/22 04:03	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:58	09/02/22 04:03	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:58	09/02/22 04:03	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/25/22 13:58	09/02/22 04:03	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/25/22 13:58	09/02/22 04:03	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/25/22 13:58	09/02/22 04:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	08/25/22 13:58	09/02/22 04:03	1
1,4-Difluorobenzene (Surr)	85		70 - 130	08/25/22 13:58	09/02/22 04:03	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-07 (2'-3')

Lab Sample ID: 880-18485-74

Date Collected: 08/23/22 15:05

Matrix: Solid

Date Received: 08/24/22 14:18

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 17:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 17:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 17:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				08/25/22 13:12	08/27/22 17:55	1
o-Terphenyl	100		70 - 130				08/25/22 13:12	08/27/22 17:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7780		50.4		mg/Kg			08/28/22 15:08	10

Client Sample ID: BH-07 (4'-5')

Lab Sample ID: 880-18485-75

Date Collected: 08/23/22 15:10

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:58	09/02/22 04:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:58	09/02/22 04:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:58	09/02/22 04:23	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/25/22 13:58	09/02/22 04:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/25/22 13:58	09/02/22 04:23	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/25/22 13:58	09/02/22 04:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				08/25/22 13:58	09/02/22 04:23	1
1,4-Difluorobenzene (Surr)	88		70 - 130				08/25/22 13:58	09/02/22 04:23	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 18:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 18:16	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-07 (4'-5')

Lab Sample ID: 880-18485-75

Date Collected: 08/23/22 15:10

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 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		08/25/22 13:12	08/27/22 18:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				08/25/22 13:12	08/27/22 18:16	1
o-Terphenyl	121		70 - 130				08/25/22 13:12	08/27/22 18:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1250		4.99		mg/Kg			08/28/22 15:16	1

Client Sample ID: BH-07 (6'-7')

Lab Sample ID: 880-18485-76

Date Collected: 08/23/22 15:15

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:58	09/02/22 04:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:58	09/02/22 04:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:58	09/02/22 04:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/25/22 13:58	09/02/22 04:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:58	09/02/22 04:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/25/22 13:58	09/02/22 04:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				08/25/22 13:58	09/02/22 04:44	1
1,4-Difluorobenzene (Surr)	90		70 - 130				08/25/22 13:58	09/02/22 04:44	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 13:12	08/27/22 18:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 13:12	08/27/22 18:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 13:12	08/27/22 18:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				08/25/22 13:12	08/27/22 18:37	1
o-Terphenyl	104		70 - 130				08/25/22 13:12	08/27/22 18:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	176		5.00		mg/Kg			08/28/22 15:24	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-07 (9'-10')

Lab Sample ID: 880-18485-77

Date Collected: 08/23/22 15:20

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/02/22 05:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/02/22 05:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/02/22 05:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/25/22 13:58	09/02/22 05:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/02/22 05:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/25/22 13:58	09/02/22 05:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	08/25/22 13:58	09/02/22 05:04	1
1,4-Difluorobenzene (Surr)	80		70 - 130	08/25/22 13:58	09/02/22 05:04	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 13:12	08/27/22 18:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 13:12	08/27/22 18:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 13:12	08/27/22 18:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	08/25/22 13:12	08/27/22 18:58	1
o-Terphenyl	102		70 - 130	08/25/22 13:12	08/27/22 18:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		5.01		mg/Kg			08/28/22 15:31	1

Client Sample ID: BH-07 (14'-15')

Lab Sample ID: 880-18485-78

Date Collected: 08/23/22 15:25

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:58	09/02/22 05:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:58	09/02/22 05:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:58	09/02/22 05:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/25/22 13:58	09/02/22 05:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:58	09/02/22 05:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/25/22 13:58	09/02/22 05:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	08/25/22 13:58	09/02/22 05:24	1
1,4-Difluorobenzene (Surr)	74		70 - 130	08/25/22 13:58	09/02/22 05:24	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-07 (14'-15')

Lab Sample ID: 880-18485-78

Date Collected: 08/23/22 15:25

Matrix: Solid

Date Received: 08/24/22 14:18

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 19:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 19:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 19:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	08/25/22 13:12	08/27/22 19:19	1
o-Terphenyl	99		70 - 130	08/25/22 13:12	08/27/22 19:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.7		4.95		mg/Kg			08/28/22 15:39	1

Client Sample ID: BH-07 (19'-20')

Lab Sample ID: 880-18485-79

Date Collected: 08/23/22 15:30

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:58	09/02/22 05:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:58	09/02/22 05:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:58	09/02/22 05:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/25/22 13:58	09/02/22 05:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/25/22 13:58	09/02/22 05:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/25/22 13:58	09/02/22 05:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	08/25/22 13:58	09/02/22 05:45	1
1,4-Difluorobenzene (Surr)	85		70 - 130	08/25/22 13:58	09/02/22 05:45	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 19:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 19:41	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-07 (19'-20')

Lab Sample ID: 880-18485-79

Date Collected: 08/23/22 15:30

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 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		08/25/22 13:12	08/27/22 19:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				08/25/22 13:12	08/27/22 19:41	1
o-Terphenyl	101		70 - 130				08/25/22 13:12	08/27/22 19:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		4.97		mg/Kg			08/28/22 15:47	1

Client Sample ID: BH-07 (24'-25')

Lab Sample ID: 880-18485-80

Date Collected: 08/23/22 15:35

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:58	09/02/22 06:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:58	09/02/22 06:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:58	09/02/22 06:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/25/22 13:58	09/02/22 06:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/25/22 13:58	09/02/22 06:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/25/22 13:58	09/02/22 06:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				08/25/22 13:58	09/02/22 06:05	1
1,4-Difluorobenzene (Surr)	78		70 - 130				08/25/22 13:58	09/02/22 06:05	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 13:12	08/27/22 20:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/25/22 13:12	08/27/22 20:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 13:12	08/27/22 20:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				08/25/22 13:12	08/27/22 20:02	1
o-Terphenyl	99		70 - 130				08/25/22 13:12	08/27/22 20:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.8		5.03		mg/Kg			08/28/22 15:55	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-07 (29'-30')

Lab Sample ID: 880-18485-81

Date Collected: 08/23/22 15:40

Matrix: Solid

Date Received: 08/24/22 14:18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/29/22 11:04	08/30/22 05:26	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/29/22 11:04	08/30/22 05:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/29/22 11:04	08/30/22 05:26	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/29/22 11:04	08/30/22 05:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/29/22 11:04	08/30/22 05:26	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/29/22 11:04	08/30/22 05:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	08/29/22 11:04	08/30/22 05:26	1
1,4-Difluorobenzene (Surr)	101		70 - 130	08/29/22 11:04	08/30/22 05:26	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/29/22 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/25/22 13:47	08/25/22 17:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		08/25/22 13:47	08/25/22 17:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/25/22 13:47	08/25/22 17:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	08/25/22 13:47	08/25/22 17:57	1
o-Terphenyl	95		70 - 130	08/25/22 13:47	08/25/22 17:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.1		5.03		mg/Kg			08/26/22 19:24	1

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
SDG: Lea County New Mexico

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)
880-18485-1	BH-16 (0'-1')	129	91
880-18485-1 MS	BH-16 (0'-1')	129	107
880-18485-1 MSD	BH-16 (0'-1')	88	92
880-18485-2	BH-16 (2'-3')	135 S1+	111
880-18485-3	BH-16 (4'-5')	134 S1+	104
880-18485-4	BH-16 (6'-7')	125	97
880-18485-5	BH-16 (9'-10')	130	98
880-18485-6	BH-16 (14'-15')	141 S1+	105
880-18485-7	BH-16 (19'-20')	149 S1+	110
880-18485-8	BH-16 (24'-25')	134 S1+	77
880-18485-9	BH-16 (29'-30')	140 S1+	89
880-18485-10	BH-15 (0'-1')	129	87
880-18485-11	BH-15 (2'-3')	132 S1+	85
880-18485-12	BH-15 (4'-5')	136 S1+	85
880-18485-13	BH-15 (6'-7')	133 S1+	91
880-18485-14	BH-15 (9'-10')	145 S1+	99
880-18485-15	BH-15 (14'-15')	143 S1+	95
880-18485-16	BH-15 (19'-20')	147 S1+	100
880-18485-17	BH-15 (24'-25')	148 S1+	100
880-18485-18	BH-15 (29'-30')	97	98
880-18485-19	BH-14 (0'-1')	98	100
880-18485-20	BH-14 (2'-3')	93	104
880-18485-21	BH-14 (4'-5')	136 S1+	89
880-18485-21 MS	BH-14 (4'-5')	154 S1+	98
880-18485-21 MSD	BH-14 (4'-5')	157 S1+	104
880-18485-22	BH-14 (6'-7')	148 S1+	101
880-18485-23	BH-14 (9'-10')	144 S1+	99
880-18485-24	BH-14 (14'-15')	157 S1+	102
880-18485-25	BH-14 (19'-20')	118	93
880-18485-26	BH-14 (24'-25')	135 S1+	101
880-18485-27	BH-14 (29'-30')	106	96
880-18485-28	BH-13 (0'-1')	149 S1+	101
880-18485-29	BH-13 (2'-3')	72	101
880-18485-30	BH-13 (4'-5')	144 S1+	95
880-18485-31	BH-13 (6'-7')	130	80
880-18485-32	BH-13 (9'-10')	128	97
880-18485-33	BH-13 (14'-15')	54927 S1+	567 S1+
880-18485-34	BH-13 (19'-20')	127	102
880-18485-35	BH-13 (24'-25')	119	100
880-18485-36	BH-13 (29'-30')	105	83
880-18485-37	BH-12 (0'-1')	116	98
880-18485-38	BH-12 (2'-3')	143 S1+	97
880-18485-39	BH-12 (4'-5')	147 S1+	97
880-18485-40	BH-12 (6'-7')	140 S1+	100
880-18485-41	BH-12 (9'-10')	102	94
880-18485-41 MS	BH-12 (9'-10')	141 S1+	103
880-18485-41 MSD	BH-12 (9'-10')	137 S1+	101
880-18485-42	BH-12 (14'-15')	93	90
880-18485-43	BH-12 (19'-20')	92	85

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Surrogate Summary

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

SDG: Lea County New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-18485-44	BH-12 (24'-25')	68 S1-	84
880-18485-45	BH-12 (29'-30')	100	80
880-18485-46	BH-11 (0'-1')	95	99
880-18485-47	BH-11 (2'-3')	94	77
880-18485-48	BH-11 (4'-5')	92	104
880-18485-49	BH-11 (6'-7')	96	75
880-18485-50	BH-11 (9'-10')	115	88
880-18485-51	BH-11 (14'-15')	102	98
880-18485-52	BH-11 (19'-20')	117	76
880-18485-53	BH-11 (24'-25')	137 S1+	89
880-18485-54	BH-11 (29'-30')	133 S1+	81
880-18485-55	BH-10 (0'-1')	89	92
880-18485-56	BH-10 (2'-3')	115	96
880-18485-57	BH-10 (4'-5')	118	89
880-18485-58	BH-10 (6'-7')	118	91
880-18485-59	BH-10 (9'-10')	114	86
880-18485-60	BH-10 (14'-15')	91	95
880-18485-61	BH-10 (19'-20')	122	84
880-18485-61 MS	BH-10 (19'-20')	119	106
880-18485-61 MSD	BH-10 (19'-20')	102	93
880-18485-62	BH-10 (24'-25')	122	83
880-18485-63	BH-10 (29'-30')	114	78
880-18485-64	BH-09 (0'-1')	116	89
880-18485-65	BH-09 (2'-3')	118	84
880-18485-66	BH-09 (4'-5')	122	92
880-18485-67	BH-09 (6'-7')	113	82
880-18485-68	BH-09 (9'-10')	120	95
880-18485-69	BH-09 (14'-15')	116	84
880-18485-70	BH-09 (19'-20')	115	89
880-18485-71	BH-09 (24'-25')	113	86
880-18485-72	BH-09 (29'-30')	122	87
880-18485-73	BH-07 (0'-1')	114	89
880-18485-74	BH-07 (2'-3')	119	85
880-18485-75	BH-07 (4'-5')	114	88
880-18485-76	BH-07 (6'-7')	124	90
880-18485-77	BH-07 (9'-10')	107	80
880-18485-78	BH-07 (14'-15')	120	74
880-18485-79	BH-07 (19'-20')	111	85
880-18485-80	BH-07 (24'-25')	107	78
880-18485-81	BH-07 (29'-30')	97	101
880-18527-A-1-C MS	Matrix Spike	90	97
880-18527-A-1-D MSD	Matrix Spike Duplicate	92	96
LCS 880-32949/1-A	Lab Control Sample	133 S1+	105
LCS 880-32950/1-A	Lab Control Sample	139 S1+	100
LCS 880-32980/1-A	Lab Control Sample	118	100
LCS 880-32985/1-A	Lab Control Sample	135 S1+	103
LCS 880-33194/1-A	Lab Control Sample	95	96
LCSD 880-32949/2-A	Lab Control Sample Dup	137 S1+	105
LCSD 880-32950/2-A	Lab Control Sample Dup	143 S1+	96
LCSD 880-32980/2-A	Lab Control Sample Dup	122	106

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Surrogate Summary

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

SDG: Lea County New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
LCSD 880-32985/2-A	Lab Control Sample Dup	135 S1+	105
LCSD 880-33194/2-A	Lab Control Sample Dup	93	97
MB 880-32949/5-A	Method Blank	91	83
MB 880-32950/5-A	Method Blank	94	79
MB 880-32980/5-A	Method Blank	107	90
MB 880-32985/5-A	Method Blank	106	89
MB 880-33069/5-A	Method Blank	78	120
MB 880-33194/5-A	Method Blank	82	113

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-18485-1	BH-16 (0'-1')	98	93
880-18485-1 MS	BH-16 (0'-1')	89	82
880-18485-1 MSD	BH-16 (0'-1')	88	82
880-18485-2	BH-16 (2'-3')	112	102
880-18485-3	BH-16 (4'-5')	114	104
880-18485-4	BH-16 (6'-7')	99	92
880-18485-5	BH-16 (9'-10')	117	109
880-18485-6	BH-16 (14'-15')	107	98
880-18485-7	BH-16 (19'-20')	98	90
880-18485-8	BH-16 (24'-25')	110	101
880-18485-9	BH-16 (29'-30')	105	97
880-18485-10	BH-15 (0'-1')	104	94
880-18485-11	BH-15 (2'-3')	97	89
880-18485-12	BH-15 (4'-5')	105	96
880-18485-13	BH-15 (6'-7')	108	98
880-18485-14	BH-15 (9'-10')	95	89
880-18485-15	BH-15 (14'-15')	97	89
880-18485-16	BH-15 (19'-20')	109	98
880-18485-17	BH-15 (24'-25')	100	92
880-18485-18	BH-15 (29'-30')	95	89
880-18485-19	BH-14 (0'-1')	106	93
880-18485-20	BH-14 (2'-3')	109	96
880-18485-21	BH-14 (4'-5')	80	81
880-18485-21 MS	BH-14 (4'-5')	74	68 S1-
880-18485-21 MSD	BH-14 (4'-5')	78	70
880-18485-22	BH-14 (6'-7')	81	86
880-18485-23	BH-14 (9'-10')	88	94
880-18485-24	BH-14 (14'-15')	101	103
880-18485-25	BH-14 (19'-20')	95	97
880-18485-26	BH-14 (24'-25')	80	85
880-18485-27	BH-14 (29'-30')	79	86
880-18485-28	BH-13 (0'-1')	80	82

Eurofins Midland

Surrogate Summary

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

SDG: Lea County New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-18485-29	BH-13 (2'-3')	81	83
880-18485-30	BH-13 (4'-5')	78	82
880-18485-31	BH-13 (6'-7')	100	106
880-18485-32	BH-13 (9'-10')	80	84
880-18485-33	BH-13 (14'-15')	78	80
880-18485-34	BH-13 (19'-20')	75	77
880-18485-35	BH-13 (24'-25')	78	82
880-18485-36	BH-13 (29'-30')	76	79
880-18485-37	BH-12 (0'-1')	75	77
880-18485-38	BH-12 (2'-3')	82	86
880-18485-39	BH-12 (4'-5')	94	96
880-18485-40	BH-12 (6'-7')	84	91
880-18485-41	BH-12 (9'-10')	74	81
880-18485-41 MS	BH-12 (9'-10')	84	80
880-18485-41 MSD	BH-12 (9'-10')	93	87
880-18485-42	BH-12 (14'-15')	83	86
880-18485-43	BH-12 (19'-20')	80	84
880-18485-44	BH-12 (24'-25')	82	83
880-18485-45	BH-12 (29'-30')	85	90
880-18485-46	BH-11 (0'-1')	88	89
880-18485-47	BH-11 (2'-3')	83	86
880-18485-48	BH-11 (4'-5')	79	83
880-18485-49	BH-11 (6'-7')	84	92
880-18485-50	BH-11 (9'-10')	81	86
880-18485-51	BH-11 (14'-15')	92	98
880-18485-52	BH-11 (19'-20')	83	86
880-18485-53	BH-11 (24'-25')	81	87
880-18485-54	BH-11 (29'-30')	76	87
880-18485-55	BH-10 (0'-1')	84	92
880-18485-56	BH-10 (2'-3')	78	87
880-18485-57	BH-10 (4'-5')	75	79
880-18485-58	BH-10 (6'-7')	76	84
880-18485-59	BH-10 (9'-10')	83	91
880-18485-60	BH-10 (14'-15')	88	96
880-18485-61	BH-10 (19'-20')	125	114
880-18485-61 MS	BH-10 (19'-20')	107	89
880-18485-61 MSD	BH-10 (19'-20')	114	87
880-18485-62	BH-10 (24'-25')	101	98
880-18485-63	BH-10 (29'-30')	126	119
880-18485-64	BH-09 (0'-1')	121	114
880-18485-65	BH-09 (2'-3')	111	110
880-18485-66	BH-09 (4'-5')	127	123
880-18485-67	BH-09 (6'-7')	130	127
880-18485-68	BH-09 (9'-10')	110	107
880-18485-69	BH-09 (14'-15')	124	111
880-18485-70	BH-09 (19'-20')	124	113
880-18485-71	BH-09 (24'-25')	117	109
880-18485-72	BH-09 (29'-30')	127	123
880-18485-73	BH-07 (0'-1')	123	115
880-18485-74	BH-07 (2'-3')	101	100

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Surrogate Summary

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

SDG: Lea County New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-18485-75	BH-07 (4'-5')	125	121
880-18485-76	BH-07 (6'-7')	105	104
880-18485-77	BH-07 (9'-10')	103	102
880-18485-78	BH-07 (14'-15')	105	99
880-18485-79	BH-07 (19'-20')	107	101
880-18485-80	BH-07 (24'-25')	101	99
880-18485-81	BH-07 (29'-30')	100	95
890-2796-A-2-D MS	Matrix Spike	85	80
890-2796-A-2-E MSD	Matrix Spike Duplicate	83	77
LCS 880-32854/2-A	Lab Control Sample	112	134 S1+
LCS 880-32920/2-A	Lab Control Sample	77	95
LCS 880-32937/2-A	Lab Control Sample	86	100
LCS 880-32938/2-A	Lab Control Sample	107	126
LCS 880-32946/2-A	Lab Control Sample	143 S1+	152 S1+
LCSD 880-32854/3-A	Lab Control Sample Dup	109	133 S1+
LCSD 880-32920/3-A	Lab Control Sample Dup	84	103
LCSD 880-32937/3-A	Lab Control Sample Dup	89	97
LCSD 880-32938/3-A	Lab Control Sample Dup	88	102
LCSD 880-32946/3-A	Lab Control Sample Dup	162 S1+	151 S1+
MB 880-32854/1-A	Method Blank	106	104
MB 880-32920/1-A	Method Blank	107	104
MB 880-32937/1-A	Method Blank	107	112
MB 880-32938/1-A	Method Blank	82	95
MB 880-32946/1-A	Method Blank	119	117

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-32949/5-A
 Matrix: Solid
 Analysis Batch: 33156

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 32949

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 13:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 13:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 13:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/25/22 13:37	08/29/22 13:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:37	08/29/22 13:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/25/22 13:37	08/29/22 13:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	08/25/22 13:37	08/29/22 13:20	1
1,4-Difluorobenzene (Surr)	83		70 - 130	08/25/22 13:37	08/29/22 13:20	1

Lab Sample ID: LCS 880-32949/1-A
 Matrix: Solid
 Analysis Batch: 33156

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 32949

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1112		mg/Kg		111	70 - 130
Toluene	0.100	0.1136		mg/Kg		114	70 - 130
Ethylbenzene	0.100	0.1094		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2269		mg/Kg		113	70 - 130
o-Xylene	0.100	0.1256		mg/Kg		126	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-32949/2-A
 Matrix: Solid
 Analysis Batch: 33156

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 32949

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1133		mg/Kg		113	70 - 130	2	35
Toluene	0.100	0.1175		mg/Kg		117	70 - 130	3	35
Ethylbenzene	0.100	0.1137		mg/Kg		114	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2353		mg/Kg		118	70 - 130	4	35
o-Xylene	0.100	0.1258		mg/Kg		126	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-18485-1 MS
 Matrix: Solid
 Analysis Batch: 33156

Client Sample ID: BH-16 (0'-1')
 Prep Type: Total/NA
 Prep Batch: 32949

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.100	0.09747		mg/Kg		97	70 - 130
Toluene	<0.00201	U F1	0.100	0.1022		mg/Kg		102	70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-18485-1 MS
 Matrix: Solid
 Analysis Batch: 33156

Client Sample ID: BH-16 (0'-1')
 Prep Type: Total/NA
 Prep Batch: 32949

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Added	Result				
Ethylbenzene	<0.00201	U F1	0.100	0.09572		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.1973		mg/Kg		98	70 - 130
o-Xylene	<0.00201	U F1	0.100	0.1114		mg/Kg		111	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-18485-1 MSD
 Matrix: Solid
 Analysis Batch: 33156

Client Sample ID: BH-16 (0'-1')
 Prep Type: Total/NA
 Prep Batch: 32949

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Added	Result						
Benzene	<0.00201	U F1	0.0994	<0.00199	U F1	mg/Kg		0	70 - 130	NC	35
Toluene	<0.00201	U F1	0.0994	<0.00199	U F1	mg/Kg		0	70 - 130	NC	35
Ethylbenzene	<0.00201	U F1	0.0994	<0.00199	U F1	mg/Kg		0	70 - 130	NC	35
m-Xylene & p-Xylene	<0.00402	U F1	0.199	<0.00398	U F1	mg/Kg		0	70 - 130	NC	35
o-Xylene	<0.00201	U F1	0.0994	<0.00199	U F1	mg/Kg		0	70 - 130	NC	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: MB 880-32950/5-A
 Matrix: Solid
 Analysis Batch: 33156

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 32950

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:47	08/30/22 02:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:47	08/30/22 02:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:47	08/30/22 02:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/25/22 13:47	08/30/22 02:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:47	08/30/22 02:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/25/22 13:47	08/30/22 02:45	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	94		70 - 130	08/25/22 13:47	08/30/22 02:45	1
1,4-Difluorobenzene (Surr)	79		70 - 130	08/25/22 13:47	08/30/22 02:45	1

Lab Sample ID: LCS 880-32950/1-A
 Matrix: Solid
 Analysis Batch: 33156

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 32950

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
Benzene	0.100	0.1049		mg/Kg		105	70 - 130
Toluene	0.100	0.1134		mg/Kg		113	70 - 130
Ethylbenzene	0.100	0.1158		mg/Kg		116	70 - 130
m-Xylene & p-Xylene	0.200	0.2412		mg/Kg		121	70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-32950/1-A
Matrix: Solid
Analysis Batch: 33156

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32950

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1368	*+	mg/Kg		137	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-32950/2-A
Matrix: Solid
Analysis Batch: 33156

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32950

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1085		mg/Kg		108	70 - 130	3	35
Toluene	0.100	0.1185		mg/Kg		118	70 - 130	4	35
Ethylbenzene	0.100	0.1215		mg/Kg		122	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2516		mg/Kg		126	70 - 130	4	35
o-Xylene	0.100	0.1464	*+	mg/Kg		146	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-18485-21 MS
Matrix: Solid
Analysis Batch: 33156

Client Sample ID: BH-14 (4'-5')
Prep Type: Total/NA
Prep Batch: 32950

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.101	0.09829		mg/Kg		98	70 - 130
Toluene	<0.00199	U	0.101	0.1107		mg/Kg		110	70 - 130
Ethylbenzene	<0.00199	U	0.101	0.1069		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.201	0.2240		mg/Kg		111	70 - 130
o-Xylene	<0.00199	U *	0.101	0.1264		mg/Kg		126	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-18485-21 MSD
Matrix: Solid
Analysis Batch: 33156

Client Sample ID: BH-14 (4'-5')
Prep Type: Total/NA
Prep Batch: 32950

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00199	U	0.100	0.09031		mg/Kg		90	70 - 130	8	35
Toluene	<0.00199	U	0.100	0.1002		mg/Kg		100	70 - 130	10	35
Ethylbenzene	<0.00199	U	0.100	0.09822		mg/Kg		98	70 - 130	8	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2039		mg/Kg		102	70 - 130	9	35
o-Xylene	<0.00199	U *	0.100	0.1164		mg/Kg		116	70 - 130	8	35

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-18485-21 MSD
Matrix: Solid
Analysis Batch: 33156

Client Sample ID: BH-14 (4'-5')
Prep Type: Total/NA
Prep Batch: 32950

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	157	S1+	70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-32980/5-A
Matrix: Solid
Analysis Batch: 33501

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32980

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 11:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 11:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 11:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/25/22 13:53	09/01/22 11:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:53	09/01/22 11:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/25/22 13:53	09/01/22 11:00	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	107		70 - 130	08/25/22 13:53	09/01/22 11:00	1
1,4-Difluorobenzene (Surr)	90		70 - 130	08/25/22 13:53	09/01/22 11:00	1

Lab Sample ID: LCS 880-32980/1-A
Matrix: Solid
Analysis Batch: 33501

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32980

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.09257		mg/Kg		93	70 - 130
Toluene	0.100	0.09444		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.09847		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.2098		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1210		mg/Kg		121	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-32980/2-A
Matrix: Solid
Analysis Batch: 33501

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32980

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Benzene	0.100	0.1003		mg/Kg		100	70 - 130	8	35
Toluene	0.100	0.09267		mg/Kg		93	70 - 130	2	35
Ethylbenzene	0.100	0.1027		mg/Kg		103	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2136		mg/Kg		107	70 - 130	2	35
o-Xylene	0.100	0.1233		mg/Kg		123	70 - 130	2	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	122		70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

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

Lab Sample ID: LCSD 880-32980/2-A
Matrix: Solid
Analysis Batch: 33501

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32980

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-18485-41 MS
Matrix: Solid
Analysis Batch: 33501

Client Sample ID: BH-12 (9'-10')
Prep Type: Total/NA
Prep Batch: 32980

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F2 F1	0.101	0.09667		mg/Kg		96	70 - 130
Toluene	0.00261	F2 F1	0.101	0.09680		mg/Kg		94	70 - 130
Ethylbenzene	<0.00199	U F2	0.101	0.1115		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	<0.00398	U F2	0.201	0.2398		mg/Kg		118	70 - 130
o-Xylene	<0.00199	U F2 F1	0.101	0.1399	F1	mg/Kg		138	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-18485-41 MSD
Matrix: Solid
Analysis Batch: 33501

Client Sample ID: BH-12 (9'-10')
Prep Type: Total/NA
Prep Batch: 32980

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F2 F1	0.100	0.05765	F2 F1	mg/Kg		58	70 - 130	51	35
Toluene	0.00261	F2 F1	0.100	0.06203	F2 F1	mg/Kg		59	70 - 130	44	35
Ethylbenzene	<0.00199	U F2	0.100	0.07397	F2	mg/Kg		73	70 - 130	40	35
m-Xylene & p-Xylene	<0.00398	U F2	0.200	0.1530	F2	mg/Kg		75	70 - 130	44	35
o-Xylene	<0.00199	U F2 F1	0.100	0.09091	F2	mg/Kg		90	70 - 130	42	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-32985/5-A
Matrix: Solid
Analysis Batch: 33501

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32985

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/01/22 22:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/01/22 22:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/01/22 22:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/25/22 13:58	09/01/22 22:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/25/22 13:58	09/01/22 22:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/25/22 13:58	09/01/22 22:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	08/25/22 13:58	09/01/22 22:15	1
1,4-Difluorobenzene (Surr)	89		70 - 130	08/25/22 13:58	09/01/22 22:15	1

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-32985/1-A
 Matrix: Solid
 Analysis Batch: 33501

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 32985

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09071		mg/Kg		91	70 - 130
Toluene	0.100	0.08762		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09867		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2094		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1209		mg/Kg		121	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-32985/2-A
 Matrix: Solid
 Analysis Batch: 33501

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 32985

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07224		mg/Kg		72	70 - 130	23	35
Toluene	0.100	0.07064		mg/Kg		71	70 - 130	21	35
Ethylbenzene	0.100	0.07808		mg/Kg		78	70 - 130	23	35
m-Xylene & p-Xylene	0.200	0.1670		mg/Kg		84	70 - 130	23	35
o-Xylene	0.100	0.09895		mg/Kg		99	70 - 130	20	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-18485-61 MS
 Matrix: Solid
 Analysis Batch: 33501

Client Sample ID: BH-10 (19'-20')
 Prep Type: Total/NA
 Prep Batch: 32985

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.101	0.09196		mg/Kg		91	70 - 130
Toluene	<0.00201	U F1	0.101	0.08697		mg/Kg		86	70 - 130
Ethylbenzene	<0.00201	U F1	0.101	0.09103		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.202	0.1893		mg/Kg		94	70 - 130
o-Xylene	<0.00201	U F1	0.101	0.1087		mg/Kg		108	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-18485-61 MSD
 Matrix: Solid
 Analysis Batch: 33501

Client Sample ID: BH-10 (19'-20')
 Prep Type: Total/NA
 Prep Batch: 32985

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.0994	<0.00199	U F1	mg/Kg		0	70 - 130	NC	35
Toluene	<0.00201	U F1	0.0994	<0.00199	U F1	mg/Kg		0	70 - 130	NC	35
Ethylbenzene	<0.00201	U F1	0.0994	<0.00199	U F1	mg/Kg		0	70 - 130	NC	35

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-18485-61 MSD
Matrix: Solid
Analysis Batch: 33501

Client Sample ID: BH-10 (19'-20')
Prep Type: Total/NA
Prep Batch: 32985

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00402	U F1	0.199	<0.00398	U F1	mg/Kg		0	70 - 130	NC	35
o-Xylene	<0.00201	U F1	0.0994	<0.00199	U F1	mg/Kg		0	70 - 130	NC	35
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	102		70 - 130								
1,4-Difluorobenzene (Surr)	93		70 - 130								

Lab Sample ID: MB 880-33069/5-A
Matrix: Solid
Analysis Batch: 33162

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33069

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/27/22 14:13	08/29/22 16:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/27/22 14:13	08/29/22 16:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/27/22 14:13	08/29/22 16:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/27/22 14:13	08/29/22 16:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/27/22 14:13	08/29/22 16:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/27/22 14:13	08/29/22 16:12	1
Surrogate	%Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130				08/27/22 14:13	08/29/22 16:12	1
1,4-Difluorobenzene (Surr)	120		70 - 130				08/27/22 14:13	08/29/22 16:12	1

Lab Sample ID: MB 880-33194/5-A
Matrix: Solid
Analysis Batch: 33162

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33194

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/29/22 11:04	08/30/22 04:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/29/22 11:04	08/30/22 04:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/29/22 11:04	08/30/22 04:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/29/22 11:04	08/30/22 04:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/29/22 11:04	08/30/22 04:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/29/22 11:04	08/30/22 04:17	1
Surrogate	%Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				08/29/22 11:04	08/30/22 04:17	1
1,4-Difluorobenzene (Surr)	113		70 - 130				08/29/22 11:04	08/30/22 04:17	1

Lab Sample ID: LCS 880-33194/1-A
Matrix: Solid
Analysis Batch: 33162

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33194

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08735		mg/Kg		87	70 - 130
Toluene	0.100	0.09927		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.09705		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.1813		mg/Kg		91	70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-33194/1-A
Matrix: Solid
Analysis Batch: 33162

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33194

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.09674		mg/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-33194/2-A
Matrix: Solid
Analysis Batch: 33162

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33194

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08966		mg/Kg		90	70 - 130	3	35
Toluene	0.100	0.09753		mg/Kg		98	70 - 130	2	35
Ethylbenzene	0.100	0.09727		mg/Kg		97	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1798		mg/Kg		90	70 - 130	1	35
o-Xylene	0.100	0.09677		mg/Kg		97	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-18527-A-1-C MS
Matrix: Solid
Analysis Batch: 33162

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 33194

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U F2 F1	0.0996	0.04941	F1	mg/Kg		50	70 - 130
Toluene	<0.00202	U F2 F1	0.0996	0.05542	F1	mg/Kg		56	70 - 130
Ethylbenzene	<0.00202	U F2 F1	0.0996	0.05406	F1	mg/Kg		53	70 - 130
m-Xylene & p-Xylene	<0.00403	U F2 F1	0.199	0.09400	F1	mg/Kg		47	70 - 130
o-Xylene	<0.00202	U F2 F1	0.0996	0.05125	F1	mg/Kg		51	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-18527-A-1-D MSD
Matrix: Solid
Analysis Batch: 33162

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 33194

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00202	U F2 F1	0.101	0.08023	F2	mg/Kg		80	70 - 130	48	35
Toluene	<0.00202	U F2 F1	0.101	0.08864	F2	mg/Kg		88	70 - 130	46	35
Ethylbenzene	<0.00202	U F2 F1	0.101	0.08282	F2	mg/Kg		81	70 - 130	42	35
m-Xylene & p-Xylene	<0.00403	U F2 F1	0.201	0.1457	F2	mg/Kg		72	70 - 130	43	35
o-Xylene	<0.00202	U F2 F1	0.101	0.07658	F2	mg/Kg		76	70 - 130	40	35

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-18527-A-1-D MSD
 Matrix: Solid
 Analysis Batch: 33162

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 33194

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

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

Lab Sample ID: MB 880-32854/1-A
 Matrix: Solid
 Analysis Batch: 32892

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 32854

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		08/24/22 13:47	08/25/22 10:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/24/22 13:47	08/25/22 10:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/24/22 13:47	08/25/22 10:52	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	106		70 - 130	08/24/22 13:47	08/25/22 10:52	1
o-Terphenyl	104		70 - 130	08/24/22 13:47	08/25/22 10:52	1

Lab Sample ID: LCS 880-32854/2-A
 Matrix: Solid
 Analysis Batch: 32892

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 32854

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	1315	*+	mg/Kg		132	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	112		70 - 130
o-Terphenyl	134	S1+	70 - 130

Lab Sample ID: LCSD 880-32854/3-A
 Matrix: Solid
 Analysis Batch: 32892

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 32854

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1261		mg/Kg		126	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	1324	*+	mg/Kg		132	70 - 130	1	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	109		70 - 130
o-Terphenyl	133	S1+	70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-32920/2-A
Matrix: Solid
Analysis Batch: 32892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32920

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	77		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: LCSD 880-32920/3-A
Matrix: Solid
Analysis Batch: 32892

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32920

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	929.4		mg/Kg		93	70 - 130	16		20
Diesel Range Organics (Over C10-C28)	1000	1019		mg/Kg		102	70 - 130	9		20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	84		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: 880-18485-1 MS
Matrix: Solid
Analysis Batch: 32892

Client Sample ID: BH-16 (0'-1')
Prep Type: Total/NA
Prep Batch: 32920

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	931.2		mg/Kg		90	70 - 130			
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1015		mg/Kg		102	70 - 130			

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	89		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: 880-18485-1 MSD
Matrix: Solid
Analysis Batch: 32892

Client Sample ID: BH-16 (0'-1')
Prep Type: Total/NA
Prep Batch: 32920

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1011		mg/Kg		98	70 - 130	8		20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1038		mg/Kg		104	70 - 130	2		20

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	88		70 - 130
o-Terphenyl	82		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-32937/1-A
Matrix: Solid
Analysis Batch: 32894

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32937

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		08/25/22 11:15	08/25/22 20:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/25/22 20:24	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 11:15	08/25/22 20:24	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	107		70 - 130	08/25/22 11:15	08/25/22 20:24	1
o-Terphenyl	112		70 - 130	08/25/22 11:15	08/25/22 20:24	1

Lab Sample ID: LCS 880-32937/2-A
Matrix: Solid
Analysis Batch: 32894

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32937

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	900.7		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	1000	891.4		mg/Kg		89	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1-Chlorooctane	86		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: LCSD 880-32937/3-A
Matrix: Solid
Analysis Batch: 32894

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32937

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	891.4		mg/Kg		89	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	918.3		mg/Kg		92	70 - 130	3	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1-Chlorooctane	89		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: 880-18485-21 MS
Matrix: Solid
Analysis Batch: 32894

Client Sample ID: BH-14 (4'-5')
Prep Type: Total/NA
Prep Batch: 32937

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	762.6		mg/Kg		72	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	772.1		mg/Kg		77	70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-18485-21 MS
Matrix: Solid
Analysis Batch: 32894

Client Sample ID: BH-14 (4'-5')
Prep Type: Total/NA
Prep Batch: 32937

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	74		70 - 130
o-Terphenyl	68	S1-	70 - 130

Lab Sample ID: 880-18485-21 MSD
Matrix: Solid
Analysis Batch: 32894

Client Sample ID: BH-14 (4'-5')
Prep Type: Total/NA
Prep Batch: 32937

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	794.0		mg/Kg		75	70 - 130	4	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	998	818.3		mg/Kg		82	70 - 130	6	20	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	78		70 - 130
o-Terphenyl	70		70 - 130

Lab Sample ID: MB 880-32938/1-A
Matrix: Solid
Analysis Batch: 33016

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32938

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		08/25/22 11:19	08/26/22 11:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 11:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 11:19	08/26/22 11:08	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	82		70 - 130	08/25/22 11:19	08/26/22 11:08	1
o-Terphenyl	95		70 - 130	08/25/22 11:19	08/26/22 11:08	1

Lab Sample ID: LCS 880-32938/2-A
Matrix: Solid
Analysis Batch: 33016

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32938

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec	
		Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	1000	990.1		mg/Kg		99	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1035		mg/Kg		104	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	107		70 - 130
o-Terphenyl	126		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

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

Lab Sample ID: LCSD 880-32938/3-A
Matrix: Solid
Analysis Batch: 33016

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32938

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	869.6		mg/Kg		87	70 - 130	13	20	
Diesel Range Organics (Over C10-C28)	1000	873.7		mg/Kg		87	70 - 130	17	20	
		LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	88		70 - 130							
o-Terphenyl	102		70 - 130							

Lab Sample ID: 880-18485-41 MS
Matrix: Solid
Analysis Batch: 33016

Client Sample ID: BH-12 (9'-10')
Prep Type: Total/NA
Prep Batch: 32938

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	999	1040		mg/Kg		104	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	720.5		mg/Kg		72	70 - 130	
		MS	MS							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	84		70 - 130							
o-Terphenyl	80		70 - 130							

Lab Sample ID: 880-18485-41 MSD
Matrix: Solid
Analysis Batch: 33016

Client Sample ID: BH-12 (9'-10')
Prep Type: Total/NA
Prep Batch: 32938

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	998	909.6		mg/Kg		91	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	787.4		mg/Kg		79	70 - 130	9	20
		MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	93		70 - 130								
o-Terphenyl	87		70 - 130								

Lab Sample ID: MB 880-32946/1-A
Matrix: Solid
Analysis Batch: 33102

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32946

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		08/25/22 13:12	08/27/22 11:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 11:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/25/22 13:12	08/27/22 11:04	1

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

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

Lab Sample ID: MB 880-32946/1-A
 Matrix: Solid
 Analysis Batch: 33102

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 32946

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	119		70 - 130	08/25/22 13:12	08/27/22 11:04	1
o-Terphenyl	117		70 - 130	08/25/22 13:12	08/27/22 11:04	1

Lab Sample ID: LCS 880-32946/2-A
 Matrix: Solid
 Analysis Batch: 33102

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 32946

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	869.6		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	941.4		mg/Kg		94	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	143	S1+	70 - 130
o-Terphenyl	152	S1+	70 - 130

Lab Sample ID: LCSD 880-32946/3-A
 Matrix: Solid
 Analysis Batch: 33102

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 32946

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	823.1		mg/Kg		82	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	935.5		mg/Kg		94	70 - 130	1	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	162	S1+	70 - 130
o-Terphenyl	151	S1+	70 - 130

Lab Sample ID: 880-18485-61 MS
 Matrix: Solid
 Analysis Batch: 33102

Client Sample ID: BH-10 (19'-20')
 Prep Type: Total/NA
 Prep Batch: 32946

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	999	876.5		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1086		mg/Kg		109	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	107		70 - 130
o-Terphenyl	89		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

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

Lab Sample ID: 880-18485-61 MSD
 Matrix: Solid
 Analysis Batch: 33102

Client Sample ID: BH-10 (19'-20')
 Prep Type: Total/NA
 Prep Batch: 32946

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	998	865.1		mg/Kg		87	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1080		mg/Kg		108	70 - 130	0	20
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
1-Chlorooctane	114		70 - 130								
o-Terphenyl	87		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-32897/1-A
 Matrix: Solid
 Analysis Batch: 33097

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			08/26/22 15:06	1

Lab Sample ID: LCS 880-32897/2-A
 Matrix: Solid
 Analysis Batch: 33097

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	235.5		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-32897/3-A
 Matrix: Solid
 Analysis Batch: 33097

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	236.7		mg/Kg		95	90 - 110	1	20

Lab Sample ID: 880-18475-A-29-C MS
 Matrix: Solid
 Analysis Batch: 33097

Client Sample ID: Matrix Spike
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	270		249	511.2		mg/Kg		97	90 - 110

Lab Sample ID: 880-18475-A-29-D MSD
 Matrix: Solid
 Analysis Batch: 33097

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	270		249	502.6		mg/Kg		94	90 - 110	2	20

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-32899/1-A
 Matrix: Solid
 Analysis Batch: 33154

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			08/29/22 03:22	1

Lab Sample ID: LCS 880-32899/2-A
 Matrix: Solid
 Analysis Batch: 33154

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	261.3		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-32899/3-A
 Matrix: Solid
 Analysis Batch: 33154

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	267.9		mg/Kg		107	90 - 110	3	20

Lab Sample ID: 880-18485-1 MS
 Matrix: Solid
 Analysis Batch: 33154

Client Sample ID: BH-16 (0'-1')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2420	F1	1250	4321	F1	mg/Kg		153	90 - 110

Lab Sample ID: 880-18485-1 MSD
 Matrix: Solid
 Analysis Batch: 33154

Client Sample ID: BH-16 (0'-1')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2420	F1	1250	4166	F1	mg/Kg		140	90 - 110	4	20

Lab Sample ID: 880-18485-11 MS
 Matrix: Solid
 Analysis Batch: 33154

Client Sample ID: BH-15 (2'-3')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3340	F1	1260	4728		mg/Kg		110	90 - 110

Lab Sample ID: 880-18485-11 MSD
 Matrix: Solid
 Analysis Batch: 33154

Client Sample ID: BH-15 (2'-3')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3340	F1	1260	4839	F1	mg/Kg		119	90 - 110	2	20

Lab Sample ID: MB 880-32901/1-A
 Matrix: Solid
 Analysis Batch: 33158

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			08/28/22 07:36	1

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-32901/2-A
 Matrix: Solid
 Analysis Batch: 33158

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	245.6		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-32901/3-A
 Matrix: Solid
 Analysis Batch: 33158

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	247.5		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 880-18485-41 MS
 Matrix: Solid
 Analysis Batch: 33158

Client Sample ID: BH-12 (9'-10')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1850		1240	3093		mg/Kg		100	90 - 110

Lab Sample ID: 880-18485-41 MSD
 Matrix: Solid
 Analysis Batch: 33158

Client Sample ID: BH-12 (9'-10')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1850		1240	3102		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-18485-51 MS
 Matrix: Solid
 Analysis Batch: 33158

Client Sample ID: BH-11 (14'-15')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	110		251	357.2		mg/Kg		98	90 - 110

Lab Sample ID: 880-18485-51 MSD
 Matrix: Solid
 Analysis Batch: 33158

Client Sample ID: BH-11 (14'-15')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	110		251	358.4		mg/Kg		99	90 - 110	0	20

Lab Sample ID: MB 880-32900/1-A
 Matrix: Solid
 Analysis Batch: 33161

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			08/28/22 03:01	1

Lab Sample ID: LCS 880-32900/2-A
 Matrix: Solid
 Analysis Batch: 33161

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	242.9		mg/Kg		97	90 - 110

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-32900/3-A
 Matrix: Solid
 Analysis Batch: 33161

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	244.8		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 880-18485-21 MS
 Matrix: Solid
 Analysis Batch: 33161

Client Sample ID: BH-14 (4'-5')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2780		1250	4130		mg/Kg		108	90 - 110

Lab Sample ID: 880-18485-21 MSD
 Matrix: Solid
 Analysis Batch: 33161

Client Sample ID: BH-14 (4'-5')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2780		1250	4141		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 880-18485-31 MS
 Matrix: Solid
 Analysis Batch: 33161

Client Sample ID: BH-13 (6'-7')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	6330		2530	8924		mg/Kg		103	90 - 110

Lab Sample ID: 880-18485-31 MSD
 Matrix: Solid
 Analysis Batch: 33161

Client Sample ID: BH-13 (6'-7')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	6330		2530	8933		mg/Kg		103	90 - 110	0	20

Lab Sample ID: MB 880-32908/1-A
 Matrix: Solid
 Analysis Batch: 33163

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			08/28/22 12:11	1

Lab Sample ID: LCS 880-32908/2-A
 Matrix: Solid
 Analysis Batch: 33163

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	247.3		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-32908/3-A
 Matrix: Solid
 Analysis Batch: 33163

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	248.1		mg/Kg		99	90 - 110	0	20

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-18485-61 MS
Matrix: Solid
Analysis Batch: 33163

Client Sample ID: BH-10 (19'-20')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	86.1		250	341.5		mg/Kg		102	90 - 110

Lab Sample ID: 880-18485-61 MSD
Matrix: Solid
Analysis Batch: 33163

Client Sample ID: BH-10 (19'-20')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	86.1		250	340.8		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-18485-71 MS
Matrix: Solid
Analysis Batch: 33163

Client Sample ID: BH-09 (24'-25')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	40.5		250	304.7		mg/Kg		106	90 - 110

Lab Sample ID: 880-18485-71 MSD
Matrix: Solid
Analysis Batch: 33163

Client Sample ID: BH-09 (24'-25')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	40.5		250	304.4		mg/Kg		106	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

GC VOA

Prep Batch: 32949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-1	BH-16 (0'-1')	Total/NA	Solid	5035	
880-18485-2	BH-16 (2'-3')	Total/NA	Solid	5035	
880-18485-3	BH-16 (4'-5')	Total/NA	Solid	5035	
880-18485-4	BH-16 (6'-7')	Total/NA	Solid	5035	
880-18485-5	BH-16 (9'-10')	Total/NA	Solid	5035	
880-18485-6	BH-16 (14'-15')	Total/NA	Solid	5035	
880-18485-7	BH-16 (19'-20')	Total/NA	Solid	5035	
880-18485-8	BH-16 (24'-25')	Total/NA	Solid	5035	
880-18485-9	BH-16 (29'-30')	Total/NA	Solid	5035	
880-18485-10	BH-15 (0'-1')	Total/NA	Solid	5035	
880-18485-11	BH-15 (2'-3')	Total/NA	Solid	5035	
880-18485-12	BH-15 (4'-5')	Total/NA	Solid	5035	
880-18485-13	BH-15 (6'-7')	Total/NA	Solid	5035	
880-18485-14	BH-15 (9'-10')	Total/NA	Solid	5035	
880-18485-15	BH-15 (14'-15')	Total/NA	Solid	5035	
880-18485-16	BH-15 (19'-20')	Total/NA	Solid	5035	
880-18485-17	BH-15 (24'-25')	Total/NA	Solid	5035	
MB 880-32949/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-32949/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-32949/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-18485-1 MS	BH-16 (0'-1')	Total/NA	Solid	5035	
880-18485-1 MSD	BH-16 (0'-1')	Total/NA	Solid	5035	

Prep Batch: 32950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-21	BH-14 (4'-5')	Total/NA	Solid	5035	
880-18485-22	BH-14 (6'-7')	Total/NA	Solid	5035	
880-18485-23	BH-14 (9'-10')	Total/NA	Solid	5035	
880-18485-24	BH-14 (14'-15')	Total/NA	Solid	5035	
880-18485-25	BH-14 (19'-20')	Total/NA	Solid	5035	
880-18485-26	BH-14 (24'-25')	Total/NA	Solid	5035	
880-18485-27	BH-14 (29'-30')	Total/NA	Solid	5035	
880-18485-28	BH-13 (0'-1')	Total/NA	Solid	5035	
880-18485-29	BH-13 (2'-3')	Total/NA	Solid	5035	
880-18485-30	BH-13 (4'-5')	Total/NA	Solid	5035	
880-18485-31	BH-13 (6'-7')	Total/NA	Solid	5035	
880-18485-32	BH-13 (9'-10')	Total/NA	Solid	5035	
880-18485-33	BH-13 (14'-15')	Total/NA	Solid	5035	
880-18485-34	BH-13 (19'-20')	Total/NA	Solid	5035	
880-18485-35	BH-13 (24'-25')	Total/NA	Solid	5035	
880-18485-36	BH-13 (29'-30')	Total/NA	Solid	5035	
880-18485-37	BH-12 (0'-1')	Total/NA	Solid	5035	
880-18485-38	BH-12 (2'-3')	Total/NA	Solid	5035	
880-18485-39	BH-12 (4'-5')	Total/NA	Solid	5035	
880-18485-40	BH-12 (6'-7')	Total/NA	Solid	5035	
MB 880-32950/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-32950/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-32950/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-18485-21 MS	BH-14 (4'-5')	Total/NA	Solid	5035	
880-18485-21 MSD	BH-14 (4'-5')	Total/NA	Solid	5035	

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QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

GC VOA

Prep Batch: 32980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-41	BH-12 (9'-10')	Total/NA	Solid	5035	
880-18485-42	BH-12 (14'-15')	Total/NA	Solid	5035	
880-18485-43	BH-12 (19'-20')	Total/NA	Solid	5035	
880-18485-44	BH-12 (24'-25')	Total/NA	Solid	5035	
880-18485-45	BH-12 (29'-30')	Total/NA	Solid	5035	
880-18485-46	BH-11 (0'-1')	Total/NA	Solid	5035	
880-18485-47	BH-11 (2'-3')	Total/NA	Solid	5035	
880-18485-48	BH-11 (4'-5')	Total/NA	Solid	5035	
880-18485-49	BH-11 (6'-7')	Total/NA	Solid	5035	
880-18485-50	BH-11 (9'-10')	Total/NA	Solid	5035	
880-18485-51	BH-11 (14'-15')	Total/NA	Solid	5035	
880-18485-52	BH-11 (19'-20')	Total/NA	Solid	5035	
880-18485-53	BH-11 (24'-25')	Total/NA	Solid	5035	
880-18485-54	BH-11 (29'-30')	Total/NA	Solid	5035	
880-18485-55	BH-10 (0'-1')	Total/NA	Solid	5035	
880-18485-56	BH-10 (2'-3')	Total/NA	Solid	5035	
880-18485-57	BH-10 (4'-5')	Total/NA	Solid	5035	
880-18485-58	BH-10 (6'-7')	Total/NA	Solid	5035	
880-18485-59	BH-10 (9'-10')	Total/NA	Solid	5035	
880-18485-60	BH-10 (14'-15')	Total/NA	Solid	5035	
MB 880-32980/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-32980/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-32980/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-18485-41 MS	BH-12 (9'-10')	Total/NA	Solid	5035	
880-18485-41 MSD	BH-12 (9'-10')	Total/NA	Solid	5035	

Prep Batch: 32985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-61	BH-10 (19'-20')	Total/NA	Solid	5035	
880-18485-62	BH-10 (24'-25')	Total/NA	Solid	5035	
880-18485-63	BH-10 (29'-30')	Total/NA	Solid	5035	
880-18485-64	BH-09 (0'-1')	Total/NA	Solid	5035	
880-18485-65	BH-09 (2'-3')	Total/NA	Solid	5035	
880-18485-66	BH-09 (4'-5')	Total/NA	Solid	5035	
880-18485-67	BH-09 (6'-7')	Total/NA	Solid	5035	
880-18485-68	BH-09 (9'-10')	Total/NA	Solid	5035	
880-18485-69	BH-09 (14'-15')	Total/NA	Solid	5035	
880-18485-70	BH-09 (19'-20')	Total/NA	Solid	5035	
880-18485-71	BH-09 (24'-25')	Total/NA	Solid	5035	
880-18485-72	BH-09 (29'-30')	Total/NA	Solid	5035	
880-18485-73	BH-07 (0'-1')	Total/NA	Solid	5035	
880-18485-74	BH-07 (2'-3')	Total/NA	Solid	5035	
880-18485-75	BH-07 (4'-5')	Total/NA	Solid	5035	
880-18485-76	BH-07 (6'-7')	Total/NA	Solid	5035	
880-18485-77	BH-07 (9'-10')	Total/NA	Solid	5035	
880-18485-78	BH-07 (14'-15')	Total/NA	Solid	5035	
880-18485-79	BH-07 (19'-20')	Total/NA	Solid	5035	
880-18485-80	BH-07 (24'-25')	Total/NA	Solid	5035	
MB 880-32985/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-32985/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-32985/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

GC VOA (Continued)

Prep Batch: 32985 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-61 MS	BH-10 (19'-20')	Total/NA	Solid	5035	
880-18485-61 MSD	BH-10 (19'-20')	Total/NA	Solid	5035	

Prep Batch: 33069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-33069/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 33156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-1	BH-16 (0'-1')	Total/NA	Solid	8021B	32949
880-18485-2	BH-16 (2'-3')	Total/NA	Solid	8021B	32949
880-18485-3	BH-16 (4'-5')	Total/NA	Solid	8021B	32949
880-18485-4	BH-16 (6'-7')	Total/NA	Solid	8021B	32949
880-18485-5	BH-16 (9'-10')	Total/NA	Solid	8021B	32949
880-18485-6	BH-16 (14'-15')	Total/NA	Solid	8021B	32949
880-18485-7	BH-16 (19'-20')	Total/NA	Solid	8021B	32949
880-18485-8	BH-16 (24'-25')	Total/NA	Solid	8021B	32949
880-18485-9	BH-16 (29'-30')	Total/NA	Solid	8021B	32949
880-18485-10	BH-15 (0'-1')	Total/NA	Solid	8021B	32949
880-18485-11	BH-15 (2'-3')	Total/NA	Solid	8021B	32949
880-18485-12	BH-15 (4'-5')	Total/NA	Solid	8021B	32949
880-18485-13	BH-15 (6'-7')	Total/NA	Solid	8021B	32949
880-18485-14	BH-15 (9'-10')	Total/NA	Solid	8021B	32949
880-18485-15	BH-15 (14'-15')	Total/NA	Solid	8021B	32949
880-18485-16	BH-15 (19'-20')	Total/NA	Solid	8021B	32949
880-18485-17	BH-15 (24'-25')	Total/NA	Solid	8021B	32949
880-18485-21	BH-14 (4'-5')	Total/NA	Solid	8021B	32950
880-18485-22	BH-14 (6'-7')	Total/NA	Solid	8021B	32950
880-18485-23	BH-14 (9'-10')	Total/NA	Solid	8021B	32950
880-18485-24	BH-14 (14'-15')	Total/NA	Solid	8021B	32950
880-18485-25	BH-14 (19'-20')	Total/NA	Solid	8021B	32950
880-18485-26	BH-14 (24'-25')	Total/NA	Solid	8021B	32950
880-18485-27	BH-14 (29'-30')	Total/NA	Solid	8021B	32950
880-18485-28	BH-13 (0'-1')	Total/NA	Solid	8021B	32950
880-18485-29	BH-13 (2'-3')	Total/NA	Solid	8021B	32950
880-18485-30	BH-13 (4'-5')	Total/NA	Solid	8021B	32950
880-18485-31	BH-13 (6'-7')	Total/NA	Solid	8021B	32950
880-18485-32	BH-13 (9'-10')	Total/NA	Solid	8021B	32950
880-18485-33	BH-13 (14'-15')	Total/NA	Solid	8021B	32950
880-18485-34	BH-13 (19'-20')	Total/NA	Solid	8021B	32950
880-18485-35	BH-13 (24'-25')	Total/NA	Solid	8021B	32950
880-18485-36	BH-13 (29'-30')	Total/NA	Solid	8021B	32950
880-18485-37	BH-12 (0'-1')	Total/NA	Solid	8021B	32950
880-18485-38	BH-12 (2'-3')	Total/NA	Solid	8021B	32950
880-18485-39	BH-12 (4'-5')	Total/NA	Solid	8021B	32950
880-18485-40	BH-12 (6'-7')	Total/NA	Solid	8021B	32950
MB 880-32949/5-A	Method Blank	Total/NA	Solid	8021B	32949
MB 880-32950/5-A	Method Blank	Total/NA	Solid	8021B	32950
LCS 880-32949/1-A	Lab Control Sample	Total/NA	Solid	8021B	32949
LCS 880-32950/1-A	Lab Control Sample	Total/NA	Solid	8021B	32950
LCSD 880-32949/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	32949

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

GC VOA (Continued)

Analysis Batch: 33156 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-32950/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	32950
880-18485-1 MS	BH-16 (0'-1')	Total/NA	Solid	8021B	32949
880-18485-1 MSD	BH-16 (0'-1')	Total/NA	Solid	8021B	32949
880-18485-21 MS	BH-14 (4'-5')	Total/NA	Solid	8021B	32950
880-18485-21 MSD	BH-14 (4'-5')	Total/NA	Solid	8021B	32950

Analysis Batch: 33162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-18	BH-15 (29'-30')	Total/NA	Solid	8021B	33194
880-18485-19	BH-14 (0'-1')	Total/NA	Solid	8021B	33194
880-18485-20	BH-14 (2'-3')	Total/NA	Solid	8021B	33194
880-18485-81	BH-07 (29'-30')	Total/NA	Solid	8021B	33194
MB 880-33069/5-A	Method Blank	Total/NA	Solid	8021B	33069
MB 880-33194/5-A	Method Blank	Total/NA	Solid	8021B	33194
LCS 880-33194/1-A	Lab Control Sample	Total/NA	Solid	8021B	33194
LCSD 880-33194/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	33194
880-18527-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	33194
880-18527-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	33194

Prep Batch: 33194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-18	BH-15 (29'-30')	Total/NA	Solid	5035	
880-18485-19	BH-14 (0'-1')	Total/NA	Solid	5035	
880-18485-20	BH-14 (2'-3')	Total/NA	Solid	5035	
880-18485-81	BH-07 (29'-30')	Total/NA	Solid	5035	
MB 880-33194/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-33194/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-33194/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-18527-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-18527-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 33285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-1	BH-16 (0'-1')	Total/NA	Solid	Total BTEX	
880-18485-2	BH-16 (2'-3')	Total/NA	Solid	Total BTEX	
880-18485-3	BH-16 (4'-5')	Total/NA	Solid	Total BTEX	
880-18485-4	BH-16 (6'-7')	Total/NA	Solid	Total BTEX	
880-18485-5	BH-16 (9'-10')	Total/NA	Solid	Total BTEX	
880-18485-6	BH-16 (14'-15')	Total/NA	Solid	Total BTEX	
880-18485-7	BH-16 (19'-20')	Total/NA	Solid	Total BTEX	
880-18485-8	BH-16 (24'-25')	Total/NA	Solid	Total BTEX	
880-18485-9	BH-16 (29'-30')	Total/NA	Solid	Total BTEX	
880-18485-10	BH-15 (0'-1')	Total/NA	Solid	Total BTEX	
880-18485-11	BH-15 (2'-3')	Total/NA	Solid	Total BTEX	
880-18485-12	BH-15 (4'-5')	Total/NA	Solid	Total BTEX	
880-18485-13	BH-15 (6'-7')	Total/NA	Solid	Total BTEX	
880-18485-14	BH-15 (9'-10')	Total/NA	Solid	Total BTEX	
880-18485-15	BH-15 (14'-15')	Total/NA	Solid	Total BTEX	
880-18485-16	BH-15 (19'-20')	Total/NA	Solid	Total BTEX	
880-18485-17	BH-15 (24'-25')	Total/NA	Solid	Total BTEX	
880-18485-18	BH-15 (29'-30')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

GC VOA (Continued)

Analysis Batch: 33285 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-19	BH-14 (0'-1')	Total/NA	Solid	Total BTEX	
880-18485-20	BH-14 (2'-3')	Total/NA	Solid	Total BTEX	
880-18485-21	BH-14 (4'-5')	Total/NA	Solid	Total BTEX	
880-18485-22	BH-14 (6'-7')	Total/NA	Solid	Total BTEX	
880-18485-23	BH-14 (9'-10')	Total/NA	Solid	Total BTEX	
880-18485-24	BH-14 (14'-15')	Total/NA	Solid	Total BTEX	
880-18485-25	BH-14 (19'-20')	Total/NA	Solid	Total BTEX	
880-18485-26	BH-14 (24'-25')	Total/NA	Solid	Total BTEX	
880-18485-27	BH-14 (29'-30')	Total/NA	Solid	Total BTEX	
880-18485-28	BH-13 (0'-1')	Total/NA	Solid	Total BTEX	
880-18485-29	BH-13 (2'-3')	Total/NA	Solid	Total BTEX	
880-18485-30	BH-13 (4'-5')	Total/NA	Solid	Total BTEX	
880-18485-31	BH-13 (6'-7')	Total/NA	Solid	Total BTEX	
880-18485-32	BH-13 (9'-10')	Total/NA	Solid	Total BTEX	
880-18485-33	BH-13 (14'-15')	Total/NA	Solid	Total BTEX	
880-18485-34	BH-13 (19'-20')	Total/NA	Solid	Total BTEX	
880-18485-35	BH-13 (24'-25')	Total/NA	Solid	Total BTEX	
880-18485-36	BH-13 (29'-30')	Total/NA	Solid	Total BTEX	
880-18485-37	BH-12 (0'-1')	Total/NA	Solid	Total BTEX	
880-18485-38	BH-12 (2'-3')	Total/NA	Solid	Total BTEX	
880-18485-39	BH-12 (4'-5')	Total/NA	Solid	Total BTEX	
880-18485-40	BH-12 (6'-7')	Total/NA	Solid	Total BTEX	
880-18485-41	BH-12 (9'-10')	Total/NA	Solid	Total BTEX	
880-18485-42	BH-12 (14'-15')	Total/NA	Solid	Total BTEX	
880-18485-43	BH-12 (19'-20')	Total/NA	Solid	Total BTEX	
880-18485-44	BH-12 (24'-25')	Total/NA	Solid	Total BTEX	
880-18485-45	BH-12 (29'-30')	Total/NA	Solid	Total BTEX	
880-18485-46	BH-11 (0'-1')	Total/NA	Solid	Total BTEX	
880-18485-47	BH-11 (2'-3')	Total/NA	Solid	Total BTEX	
880-18485-48	BH-11 (4'-5')	Total/NA	Solid	Total BTEX	
880-18485-49	BH-11 (6'-7')	Total/NA	Solid	Total BTEX	
880-18485-50	BH-11 (9'-10')	Total/NA	Solid	Total BTEX	
880-18485-51	BH-11 (14'-15')	Total/NA	Solid	Total BTEX	
880-18485-52	BH-11 (19'-20')	Total/NA	Solid	Total BTEX	
880-18485-53	BH-11 (24'-25')	Total/NA	Solid	Total BTEX	
880-18485-54	BH-11 (29'-30')	Total/NA	Solid	Total BTEX	
880-18485-55	BH-10 (0'-1')	Total/NA	Solid	Total BTEX	
880-18485-56	BH-10 (2'-3')	Total/NA	Solid	Total BTEX	
880-18485-57	BH-10 (4'-5')	Total/NA	Solid	Total BTEX	
880-18485-58	BH-10 (6'-7')	Total/NA	Solid	Total BTEX	
880-18485-59	BH-10 (9'-10')	Total/NA	Solid	Total BTEX	
880-18485-60	BH-10 (14'-15')	Total/NA	Solid	Total BTEX	
880-18485-61	BH-10 (19'-20')	Total/NA	Solid	Total BTEX	
880-18485-62	BH-10 (24'-25')	Total/NA	Solid	Total BTEX	
880-18485-63	BH-10 (29'-30')	Total/NA	Solid	Total BTEX	
880-18485-64	BH-09 (0'-1')	Total/NA	Solid	Total BTEX	
880-18485-65	BH-09 (2'-3')	Total/NA	Solid	Total BTEX	
880-18485-66	BH-09 (4'-5')	Total/NA	Solid	Total BTEX	
880-18485-67	BH-09 (6'-7')	Total/NA	Solid	Total BTEX	
880-18485-68	BH-09 (9'-10')	Total/NA	Solid	Total BTEX	
880-18485-69	BH-09 (14'-15')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

GC VOA (Continued)

Analysis Batch: 33285 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-70	BH-09 (19'-20')	Total/NA	Solid	Total BTEX	
880-18485-71	BH-09 (24'-25')	Total/NA	Solid	Total BTEX	
880-18485-72	BH-09 (29'-30')	Total/NA	Solid	Total BTEX	
880-18485-73	BH-07 (0'-1')	Total/NA	Solid	Total BTEX	
880-18485-74	BH-07 (2'-3')	Total/NA	Solid	Total BTEX	
880-18485-75	BH-07 (4'-5')	Total/NA	Solid	Total BTEX	
880-18485-76	BH-07 (6'-7')	Total/NA	Solid	Total BTEX	
880-18485-77	BH-07 (9'-10')	Total/NA	Solid	Total BTEX	
880-18485-78	BH-07 (14'-15')	Total/NA	Solid	Total BTEX	
880-18485-79	BH-07 (19'-20')	Total/NA	Solid	Total BTEX	
880-18485-80	BH-07 (24'-25')	Total/NA	Solid	Total BTEX	
880-18485-81	BH-07 (29'-30')	Total/NA	Solid	Total BTEX	

Analysis Batch: 33501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-41	BH-12 (9'-10')	Total/NA	Solid	8021B	32980
880-18485-42	BH-12 (14'-15')	Total/NA	Solid	8021B	32980
880-18485-43	BH-12 (19'-20')	Total/NA	Solid	8021B	32980
880-18485-44	BH-12 (24'-25')	Total/NA	Solid	8021B	32980
880-18485-45	BH-12 (29'-30')	Total/NA	Solid	8021B	32980
880-18485-46	BH-11 (0'-1')	Total/NA	Solid	8021B	32980
880-18485-47	BH-11 (2'-3')	Total/NA	Solid	8021B	32980
880-18485-48	BH-11 (4'-5')	Total/NA	Solid	8021B	32980
880-18485-49	BH-11 (6'-7')	Total/NA	Solid	8021B	32980
880-18485-50	BH-11 (9'-10')	Total/NA	Solid	8021B	32980
880-18485-51	BH-11 (14'-15')	Total/NA	Solid	8021B	32980
880-18485-52	BH-11 (19'-20')	Total/NA	Solid	8021B	32980
880-18485-53	BH-11 (24'-25')	Total/NA	Solid	8021B	32980
880-18485-54	BH-11 (29'-30')	Total/NA	Solid	8021B	32980
880-18485-55	BH-10 (0'-1')	Total/NA	Solid	8021B	32980
880-18485-56	BH-10 (2'-3')	Total/NA	Solid	8021B	32980
880-18485-57	BH-10 (4'-5')	Total/NA	Solid	8021B	32980
880-18485-58	BH-10 (6'-7')	Total/NA	Solid	8021B	32980
880-18485-59	BH-10 (9'-10')	Total/NA	Solid	8021B	32980
880-18485-60	BH-10 (14'-15')	Total/NA	Solid	8021B	32980
880-18485-61	BH-10 (19'-20')	Total/NA	Solid	8021B	32985
880-18485-62	BH-10 (24'-25')	Total/NA	Solid	8021B	32985
880-18485-63	BH-10 (29'-30')	Total/NA	Solid	8021B	32985
880-18485-64	BH-09 (0'-1')	Total/NA	Solid	8021B	32985
880-18485-65	BH-09 (2'-3')	Total/NA	Solid	8021B	32985
880-18485-66	BH-09 (4'-5')	Total/NA	Solid	8021B	32985
880-18485-67	BH-09 (6'-7')	Total/NA	Solid	8021B	32985
880-18485-68	BH-09 (9'-10')	Total/NA	Solid	8021B	32985
880-18485-69	BH-09 (14'-15')	Total/NA	Solid	8021B	32985
880-18485-70	BH-09 (19'-20')	Total/NA	Solid	8021B	32985
880-18485-71	BH-09 (24'-25')	Total/NA	Solid	8021B	32985
880-18485-72	BH-09 (29'-30')	Total/NA	Solid	8021B	32985
880-18485-73	BH-07 (0'-1')	Total/NA	Solid	8021B	32985
880-18485-74	BH-07 (2'-3')	Total/NA	Solid	8021B	32985
880-18485-75	BH-07 (4'-5')	Total/NA	Solid	8021B	32985
880-18485-76	BH-07 (6'-7')	Total/NA	Solid	8021B	32985

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
SDG: Lea County New Mexico

GC VOA (Continued)

Analysis Batch: 33501 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-77	BH-07 (9'-10')	Total/NA	Solid	8021B	32985
880-18485-78	BH-07 (14'-15')	Total/NA	Solid	8021B	32985
880-18485-79	BH-07 (19'-20')	Total/NA	Solid	8021B	32985
880-18485-80	BH-07 (24'-25')	Total/NA	Solid	8021B	32985
MB 880-32980/5-A	Method Blank	Total/NA	Solid	8021B	32980
MB 880-32985/5-A	Method Blank	Total/NA	Solid	8021B	32985
LCS 880-32980/1-A	Lab Control Sample	Total/NA	Solid	8021B	32980
LCS 880-32985/1-A	Lab Control Sample	Total/NA	Solid	8021B	32985
LCSD 880-32980/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	32980
LCSD 880-32985/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	32985
880-18485-41 MS	BH-12 (9'-10')	Total/NA	Solid	8021B	32980
880-18485-41 MSD	BH-12 (9'-10')	Total/NA	Solid	8021B	32980
880-18485-61 MS	BH-10 (19'-20')	Total/NA	Solid	8021B	32985
880-18485-61 MSD	BH-10 (19'-20')	Total/NA	Solid	8021B	32985

GC Semi VOA

Prep Batch: 32854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-81	BH-07 (29'-30')	Total/NA	Solid	8015NM Prep	
MB 880-32854/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-32854/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-32854/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2796-A-2-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2796-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 32892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-1	BH-16 (0'-1')	Total/NA	Solid	8015B NM	32920
880-18485-2	BH-16 (2'-3')	Total/NA	Solid	8015B NM	32920
880-18485-3	BH-16 (4'-5')	Total/NA	Solid	8015B NM	32920
880-18485-4	BH-16 (6'-7')	Total/NA	Solid	8015B NM	32920
880-18485-5	BH-16 (9'-10')	Total/NA	Solid	8015B NM	32920
880-18485-6	BH-16 (14'-15')	Total/NA	Solid	8015B NM	32920
880-18485-7	BH-16 (19'-20')	Total/NA	Solid	8015B NM	32920
880-18485-8	BH-16 (24'-25')	Total/NA	Solid	8015B NM	32920
880-18485-9	BH-16 (29'-30')	Total/NA	Solid	8015B NM	32920
880-18485-10	BH-15 (0'-1')	Total/NA	Solid	8015B NM	32920
880-18485-11	BH-15 (2'-3')	Total/NA	Solid	8015B NM	32920
880-18485-12	BH-15 (4'-5')	Total/NA	Solid	8015B NM	32920
880-18485-13	BH-15 (6'-7')	Total/NA	Solid	8015B NM	32920
880-18485-14	BH-15 (9'-10')	Total/NA	Solid	8015B NM	32920
880-18485-15	BH-15 (14'-15')	Total/NA	Solid	8015B NM	32920
880-18485-16	BH-15 (19'-20')	Total/NA	Solid	8015B NM	32920
880-18485-17	BH-15 (24'-25')	Total/NA	Solid	8015B NM	32920
880-18485-18	BH-15 (29'-30')	Total/NA	Solid	8015B NM	32920
880-18485-19	BH-14 (0'-1')	Total/NA	Solid	8015B NM	32920
880-18485-20	BH-14 (2'-3')	Total/NA	Solid	8015B NM	32920
880-18485-81	BH-07 (29'-30')	Total/NA	Solid	8015B NM	32854
MB 880-32854/1-A	Method Blank	Total/NA	Solid	8015B NM	32854
MB 880-32920/1-A	Method Blank	Total/NA	Solid	8015B NM	32920

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 32892 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-32854/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	32854
LCS 880-32920/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	32920
LCSD 880-32854/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	32854
LCSD 880-32920/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	32920
880-18485-1 MS	BH-16 (0'-1')	Total/NA	Solid	8015B NM	32920
880-18485-1 MSD	BH-16 (0'-1')	Total/NA	Solid	8015B NM	32920
890-2796-A-2-D MS	Matrix Spike	Total/NA	Solid	8015B NM	32854
890-2796-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	32854

Analysis Batch: 32894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-21	BH-14 (4'-5')	Total/NA	Solid	8015B NM	32937
880-18485-22	BH-14 (6'-7')	Total/NA	Solid	8015B NM	32937
880-18485-23	BH-14 (9'-10')	Total/NA	Solid	8015B NM	32937
880-18485-24	BH-14 (14'-15')	Total/NA	Solid	8015B NM	32937
880-18485-25	BH-14 (19'-20')	Total/NA	Solid	8015B NM	32937
880-18485-26	BH-14 (24'-25')	Total/NA	Solid	8015B NM	32937
880-18485-27	BH-14 (29'-30')	Total/NA	Solid	8015B NM	32937
880-18485-28	BH-13 (0'-1')	Total/NA	Solid	8015B NM	32937
880-18485-29	BH-13 (2'-3')	Total/NA	Solid	8015B NM	32937
880-18485-30	BH-13 (4'-5')	Total/NA	Solid	8015B NM	32937
880-18485-31	BH-13 (6'-7')	Total/NA	Solid	8015B NM	32937
880-18485-32	BH-13 (9'-10')	Total/NA	Solid	8015B NM	32937
880-18485-33	BH-13 (14'-15')	Total/NA	Solid	8015B NM	32937
880-18485-34	BH-13 (19'-20')	Total/NA	Solid	8015B NM	32937
880-18485-35	BH-13 (24'-25')	Total/NA	Solid	8015B NM	32937
880-18485-36	BH-13 (29'-30')	Total/NA	Solid	8015B NM	32937
880-18485-37	BH-12 (0'-1')	Total/NA	Solid	8015B NM	32937
880-18485-38	BH-12 (2'-3')	Total/NA	Solid	8015B NM	32937
880-18485-39	BH-12 (4'-5')	Total/NA	Solid	8015B NM	32937
880-18485-40	BH-12 (6'-7')	Total/NA	Solid	8015B NM	32937
MB 880-32937/1-A	Method Blank	Total/NA	Solid	8015B NM	32937
LCS 880-32937/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	32937
LCSD 880-32937/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	32937
880-18485-21 MS	BH-14 (4'-5')	Total/NA	Solid	8015B NM	32937
880-18485-21 MSD	BH-14 (4'-5')	Total/NA	Solid	8015B NM	32937

Prep Batch: 32920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-1	BH-16 (0'-1')	Total/NA	Solid	8015NM Prep	
880-18485-2	BH-16 (2'-3')	Total/NA	Solid	8015NM Prep	
880-18485-3	BH-16 (4'-5')	Total/NA	Solid	8015NM Prep	
880-18485-4	BH-16 (6'-7')	Total/NA	Solid	8015NM Prep	
880-18485-5	BH-16 (9'-10')	Total/NA	Solid	8015NM Prep	
880-18485-6	BH-16 (14'-15')	Total/NA	Solid	8015NM Prep	
880-18485-7	BH-16 (19'-20')	Total/NA	Solid	8015NM Prep	
880-18485-8	BH-16 (24'-25')	Total/NA	Solid	8015NM Prep	
880-18485-9	BH-16 (29'-30')	Total/NA	Solid	8015NM Prep	
880-18485-10	BH-15 (0'-1')	Total/NA	Solid	8015NM Prep	
880-18485-11	BH-15 (2'-3')	Total/NA	Solid	8015NM Prep	
880-18485-12	BH-15 (4'-5')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Prep Batch: 32920 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-13	BH-15 (6'-7')	Total/NA	Solid	8015NM Prep	
880-18485-14	BH-15 (9'-10')	Total/NA	Solid	8015NM Prep	
880-18485-15	BH-15 (14'-15')	Total/NA	Solid	8015NM Prep	
880-18485-16	BH-15 (19'-20')	Total/NA	Solid	8015NM Prep	
880-18485-17	BH-15 (24'-25')	Total/NA	Solid	8015NM Prep	
880-18485-18	BH-15 (29'-30')	Total/NA	Solid	8015NM Prep	
880-18485-19	BH-14 (0'-1')	Total/NA	Solid	8015NM Prep	
880-18485-20	BH-14 (2'-3')	Total/NA	Solid	8015NM Prep	
MB 880-32920/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-32920/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-32920/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-18485-1 MS	BH-16 (0'-1')	Total/NA	Solid	8015NM Prep	
880-18485-1 MSD	BH-16 (0'-1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 32937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-21	BH-14 (4'-5')	Total/NA	Solid	8015NM Prep	
880-18485-22	BH-14 (6'-7')	Total/NA	Solid	8015NM Prep	
880-18485-23	BH-14 (9'-10')	Total/NA	Solid	8015NM Prep	
880-18485-24	BH-14 (14'-15')	Total/NA	Solid	8015NM Prep	
880-18485-25	BH-14 (19'-20')	Total/NA	Solid	8015NM Prep	
880-18485-26	BH-14 (24'-25')	Total/NA	Solid	8015NM Prep	
880-18485-27	BH-14 (29'-30')	Total/NA	Solid	8015NM Prep	
880-18485-28	BH-13 (0'-1')	Total/NA	Solid	8015NM Prep	
880-18485-29	BH-13 (2'-3')	Total/NA	Solid	8015NM Prep	
880-18485-30	BH-13 (4'-5')	Total/NA	Solid	8015NM Prep	
880-18485-31	BH-13 (6'-7')	Total/NA	Solid	8015NM Prep	
880-18485-32	BH-13 (9'-10')	Total/NA	Solid	8015NM Prep	
880-18485-33	BH-13 (14'-15')	Total/NA	Solid	8015NM Prep	
880-18485-34	BH-13 (19'-20')	Total/NA	Solid	8015NM Prep	
880-18485-35	BH-13 (24'-25')	Total/NA	Solid	8015NM Prep	
880-18485-36	BH-13 (29'-30')	Total/NA	Solid	8015NM Prep	
880-18485-37	BH-12 (0'-1')	Total/NA	Solid	8015NM Prep	
880-18485-38	BH-12 (2'-3')	Total/NA	Solid	8015NM Prep	
880-18485-39	BH-12 (4'-5')	Total/NA	Solid	8015NM Prep	
880-18485-40	BH-12 (6'-7')	Total/NA	Solid	8015NM Prep	
MB 880-32937/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-32937/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-32937/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-18485-21 MS	BH-14 (4'-5')	Total/NA	Solid	8015NM Prep	
880-18485-21 MSD	BH-14 (4'-5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 32938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-41	BH-12 (9'-10')	Total/NA	Solid	8015NM Prep	
880-18485-42	BH-12 (14'-15')	Total/NA	Solid	8015NM Prep	
880-18485-43	BH-12 (19'-20')	Total/NA	Solid	8015NM Prep	
880-18485-44	BH-12 (24'-25')	Total/NA	Solid	8015NM Prep	
880-18485-45	BH-12 (29'-30')	Total/NA	Solid	8015NM Prep	
880-18485-46	BH-11 (0'-1')	Total/NA	Solid	8015NM Prep	
880-18485-47	BH-11 (2'-3')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

GC Semi VOA (Continued)

Prep Batch: 32938 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-48	BH-11 (4'-5')	Total/NA	Solid	8015NM Prep	
880-18485-49	BH-11 (6'-7')	Total/NA	Solid	8015NM Prep	
880-18485-50	BH-11 (9'-10')	Total/NA	Solid	8015NM Prep	
880-18485-51	BH-11 (14'-15')	Total/NA	Solid	8015NM Prep	
880-18485-52	BH-11 (19'-20')	Total/NA	Solid	8015NM Prep	
880-18485-53	BH-11 (24'-25')	Total/NA	Solid	8015NM Prep	
880-18485-54	BH-11 (29'-30')	Total/NA	Solid	8015NM Prep	
880-18485-55	BH-10 (0'-1')	Total/NA	Solid	8015NM Prep	
880-18485-56	BH-10 (2'-3')	Total/NA	Solid	8015NM Prep	
880-18485-57	BH-10 (4'-5')	Total/NA	Solid	8015NM Prep	
880-18485-58	BH-10 (6'-7')	Total/NA	Solid	8015NM Prep	
880-18485-59	BH-10 (9'-10')	Total/NA	Solid	8015NM Prep	
880-18485-60	BH-10 (14'-15')	Total/NA	Solid	8015NM Prep	
MB 880-32938/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-32938/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-32938/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-18485-41 MS	BH-12 (9'-10')	Total/NA	Solid	8015NM Prep	
880-18485-41 MSD	BH-12 (9'-10')	Total/NA	Solid	8015NM Prep	

Prep Batch: 32946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-61	BH-10 (19'-20')	Total/NA	Solid	8015NM Prep	
880-18485-62	BH-10 (24'-25')	Total/NA	Solid	8015NM Prep	
880-18485-63	BH-10 (29'-30')	Total/NA	Solid	8015NM Prep	
880-18485-64	BH-09 (0'-1')	Total/NA	Solid	8015NM Prep	
880-18485-65	BH-09 (2'-3')	Total/NA	Solid	8015NM Prep	
880-18485-66	BH-09 (4'-5')	Total/NA	Solid	8015NM Prep	
880-18485-67	BH-09 (6'-7')	Total/NA	Solid	8015NM Prep	
880-18485-68	BH-09 (9'-10')	Total/NA	Solid	8015NM Prep	
880-18485-69	BH-09 (14'-15')	Total/NA	Solid	8015NM Prep	
880-18485-70	BH-09 (19'-20')	Total/NA	Solid	8015NM Prep	
880-18485-71	BH-09 (24'-25')	Total/NA	Solid	8015NM Prep	
880-18485-72	BH-09 (29'-30')	Total/NA	Solid	8015NM Prep	
880-18485-73	BH-07 (0'-1')	Total/NA	Solid	8015NM Prep	
880-18485-74	BH-07 (2'-3')	Total/NA	Solid	8015NM Prep	
880-18485-75	BH-07 (4'-5')	Total/NA	Solid	8015NM Prep	
880-18485-76	BH-07 (6'-7')	Total/NA	Solid	8015NM Prep	
880-18485-77	BH-07 (9'-10')	Total/NA	Solid	8015NM Prep	
880-18485-78	BH-07 (14'-15')	Total/NA	Solid	8015NM Prep	
880-18485-79	BH-07 (19'-20')	Total/NA	Solid	8015NM Prep	
880-18485-80	BH-07 (24'-25')	Total/NA	Solid	8015NM Prep	
MB 880-32946/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-32946/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-32946/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-18485-61 MS	BH-10 (19'-20')	Total/NA	Solid	8015NM Prep	
880-18485-61 MSD	BH-10 (19'-20')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 33016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-41	BH-12 (9'-10')	Total/NA	Solid	8015B NM	32938
880-18485-42	BH-12 (14'-15')	Total/NA	Solid	8015B NM	32938

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QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 33016 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-43	BH-12 (19'-20')	Total/NA	Solid	8015B NM	32938
880-18485-44	BH-12 (24'-25')	Total/NA	Solid	8015B NM	32938
880-18485-45	BH-12 (29'-30')	Total/NA	Solid	8015B NM	32938
880-18485-46	BH-11 (0'-1')	Total/NA	Solid	8015B NM	32938
880-18485-47	BH-11 (2'-3')	Total/NA	Solid	8015B NM	32938
880-18485-48	BH-11 (4'-5')	Total/NA	Solid	8015B NM	32938
880-18485-49	BH-11 (6'-7')	Total/NA	Solid	8015B NM	32938
880-18485-50	BH-11 (9'-10')	Total/NA	Solid	8015B NM	32938
880-18485-51	BH-11 (14'-15')	Total/NA	Solid	8015B NM	32938
880-18485-52	BH-11 (19'-20')	Total/NA	Solid	8015B NM	32938
880-18485-53	BH-11 (24'-25')	Total/NA	Solid	8015B NM	32938
880-18485-54	BH-11 (29'-30')	Total/NA	Solid	8015B NM	32938
880-18485-55	BH-10 (0'-1')	Total/NA	Solid	8015B NM	32938
880-18485-56	BH-10 (2'-3')	Total/NA	Solid	8015B NM	32938
880-18485-57	BH-10 (4'-5')	Total/NA	Solid	8015B NM	32938
880-18485-58	BH-10 (6'-7')	Total/NA	Solid	8015B NM	32938
880-18485-59	BH-10 (9'-10')	Total/NA	Solid	8015B NM	32938
880-18485-60	BH-10 (14'-15')	Total/NA	Solid	8015B NM	32938
MB 880-32938/1-A	Method Blank	Total/NA	Solid	8015B NM	32938
LCS 880-32938/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	32938
LCSD 880-32938/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	32938
880-18485-41 MS	BH-12 (9'-10')	Total/NA	Solid	8015B NM	32938
880-18485-41 MSD	BH-12 (9'-10')	Total/NA	Solid	8015B NM	32938

Analysis Batch: 33019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-1	BH-16 (0'-1')	Total/NA	Solid	8015 NM	
880-18485-2	BH-16 (2'-3')	Total/NA	Solid	8015 NM	
880-18485-3	BH-16 (4'-5')	Total/NA	Solid	8015 NM	
880-18485-4	BH-16 (6'-7')	Total/NA	Solid	8015 NM	
880-18485-5	BH-16 (9'-10')	Total/NA	Solid	8015 NM	
880-18485-6	BH-16 (14'-15')	Total/NA	Solid	8015 NM	
880-18485-7	BH-16 (19'-20')	Total/NA	Solid	8015 NM	
880-18485-8	BH-16 (24'-25')	Total/NA	Solid	8015 NM	
880-18485-9	BH-16 (29'-30')	Total/NA	Solid	8015 NM	
880-18485-10	BH-15 (0'-1')	Total/NA	Solid	8015 NM	
880-18485-11	BH-15 (2'-3')	Total/NA	Solid	8015 NM	
880-18485-12	BH-15 (4'-5')	Total/NA	Solid	8015 NM	
880-18485-13	BH-15 (6'-7')	Total/NA	Solid	8015 NM	
880-18485-14	BH-15 (9'-10')	Total/NA	Solid	8015 NM	
880-18485-15	BH-15 (14'-15')	Total/NA	Solid	8015 NM	
880-18485-16	BH-15 (19'-20')	Total/NA	Solid	8015 NM	
880-18485-17	BH-15 (24'-25')	Total/NA	Solid	8015 NM	
880-18485-18	BH-15 (29'-30')	Total/NA	Solid	8015 NM	
880-18485-19	BH-14 (0'-1')	Total/NA	Solid	8015 NM	
880-18485-20	BH-14 (2'-3')	Total/NA	Solid	8015 NM	
880-18485-21	BH-14 (4'-5')	Total/NA	Solid	8015 NM	
880-18485-22	BH-14 (6'-7')	Total/NA	Solid	8015 NM	
880-18485-23	BH-14 (9'-10')	Total/NA	Solid	8015 NM	
880-18485-24	BH-14 (14'-15')	Total/NA	Solid	8015 NM	
880-18485-25	BH-14 (19'-20')	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Tetra Tech, Inc.

Job ID: 880-18485-1

Project/Site: Bronco Water Release Revelation Pond

SDG: Lea County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 33019 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-26	BH-14 (24'-25')	Total/NA	Solid	8015 NM	
880-18485-27	BH-14 (29'-30')	Total/NA	Solid	8015 NM	
880-18485-28	BH-13 (0'-1')	Total/NA	Solid	8015 NM	
880-18485-29	BH-13 (2'-3')	Total/NA	Solid	8015 NM	
880-18485-30	BH-13 (4'-5')	Total/NA	Solid	8015 NM	
880-18485-31	BH-13 (6'-7')	Total/NA	Solid	8015 NM	
880-18485-32	BH-13 (9'-10')	Total/NA	Solid	8015 NM	
880-18485-33	BH-13 (14'-15')	Total/NA	Solid	8015 NM	
880-18485-34	BH-13 (19'-20')	Total/NA	Solid	8015 NM	
880-18485-35	BH-13 (24'-25')	Total/NA	Solid	8015 NM	
880-18485-36	BH-13 (29'-30')	Total/NA	Solid	8015 NM	
880-18485-37	BH-12 (0'-1')	Total/NA	Solid	8015 NM	
880-18485-38	BH-12 (2'-3')	Total/NA	Solid	8015 NM	
880-18485-39	BH-12 (4'-5')	Total/NA	Solid	8015 NM	
880-18485-40	BH-12 (6'-7')	Total/NA	Solid	8015 NM	
880-18485-41	BH-12 (9'-10')	Total/NA	Solid	8015 NM	
880-18485-42	BH-12 (14'-15')	Total/NA	Solid	8015 NM	
880-18485-43	BH-12 (19'-20')	Total/NA	Solid	8015 NM	
880-18485-44	BH-12 (24'-25')	Total/NA	Solid	8015 NM	
880-18485-45	BH-12 (29'-30')	Total/NA	Solid	8015 NM	
880-18485-46	BH-11 (0'-1')	Total/NA	Solid	8015 NM	
880-18485-47	BH-11 (2'-3')	Total/NA	Solid	8015 NM	
880-18485-48	BH-11 (4'-5')	Total/NA	Solid	8015 NM	
880-18485-49	BH-11 (6'-7')	Total/NA	Solid	8015 NM	
880-18485-50	BH-11 (9'-10')	Total/NA	Solid	8015 NM	
880-18485-51	BH-11 (14'-15')	Total/NA	Solid	8015 NM	
880-18485-52	BH-11 (19'-20')	Total/NA	Solid	8015 NM	
880-18485-53	BH-11 (24'-25')	Total/NA	Solid	8015 NM	
880-18485-54	BH-11 (29'-30')	Total/NA	Solid	8015 NM	
880-18485-55	BH-10 (0'-1')	Total/NA	Solid	8015 NM	
880-18485-56	BH-10 (2'-3')	Total/NA	Solid	8015 NM	
880-18485-57	BH-10 (4'-5')	Total/NA	Solid	8015 NM	
880-18485-58	BH-10 (6'-7')	Total/NA	Solid	8015 NM	
880-18485-59	BH-10 (9'-10')	Total/NA	Solid	8015 NM	
880-18485-60	BH-10 (14'-15')	Total/NA	Solid	8015 NM	
880-18485-61	BH-10 (19'-20')	Total/NA	Solid	8015 NM	
880-18485-62	BH-10 (24'-25')	Total/NA	Solid	8015 NM	
880-18485-63	BH-10 (29'-30')	Total/NA	Solid	8015 NM	
880-18485-64	BH-09 (0'-1')	Total/NA	Solid	8015 NM	
880-18485-65	BH-09 (2'-3')	Total/NA	Solid	8015 NM	
880-18485-66	BH-09 (4'-5')	Total/NA	Solid	8015 NM	
880-18485-67	BH-09 (6'-7')	Total/NA	Solid	8015 NM	
880-18485-68	BH-09 (9'-10')	Total/NA	Solid	8015 NM	
880-18485-69	BH-09 (14'-15')	Total/NA	Solid	8015 NM	
880-18485-70	BH-09 (19'-20')	Total/NA	Solid	8015 NM	
880-18485-71	BH-09 (24'-25')	Total/NA	Solid	8015 NM	
880-18485-72	BH-09 (29'-30')	Total/NA	Solid	8015 NM	
880-18485-73	BH-07 (0'-1')	Total/NA	Solid	8015 NM	
880-18485-74	BH-07 (2'-3')	Total/NA	Solid	8015 NM	
880-18485-75	BH-07 (4'-5')	Total/NA	Solid	8015 NM	
880-18485-76	BH-07 (6'-7')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
SDG: Lea County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 33019 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-77	BH-07 (9'-10')	Total/NA	Solid	8015 NM	
880-18485-78	BH-07 (14'-15')	Total/NA	Solid	8015 NM	
880-18485-79	BH-07 (19'-20')	Total/NA	Solid	8015 NM	
880-18485-80	BH-07 (24'-25')	Total/NA	Solid	8015 NM	
880-18485-81	BH-07 (29'-30')	Total/NA	Solid	8015 NM	

Analysis Batch: 33102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-61	BH-10 (19'-20')	Total/NA	Solid	8015B NM	32946
880-18485-62	BH-10 (24'-25')	Total/NA	Solid	8015B NM	32946
880-18485-63	BH-10 (29'-30')	Total/NA	Solid	8015B NM	32946
880-18485-64	BH-09 (0'-1')	Total/NA	Solid	8015B NM	32946
880-18485-65	BH-09 (2'-3')	Total/NA	Solid	8015B NM	32946
880-18485-66	BH-09 (4'-5')	Total/NA	Solid	8015B NM	32946
880-18485-67	BH-09 (6'-7')	Total/NA	Solid	8015B NM	32946
880-18485-68	BH-09 (9'-10')	Total/NA	Solid	8015B NM	32946
880-18485-69	BH-09 (14'-15')	Total/NA	Solid	8015B NM	32946
880-18485-70	BH-09 (19'-20')	Total/NA	Solid	8015B NM	32946
880-18485-71	BH-09 (24'-25')	Total/NA	Solid	8015B NM	32946
880-18485-72	BH-09 (29'-30')	Total/NA	Solid	8015B NM	32946
880-18485-73	BH-07 (0'-1')	Total/NA	Solid	8015B NM	32946
880-18485-74	BH-07 (2'-3')	Total/NA	Solid	8015B NM	32946
880-18485-75	BH-07 (4'-5')	Total/NA	Solid	8015B NM	32946
880-18485-76	BH-07 (6'-7')	Total/NA	Solid	8015B NM	32946
880-18485-77	BH-07 (9'-10')	Total/NA	Solid	8015B NM	32946
880-18485-78	BH-07 (14'-15')	Total/NA	Solid	8015B NM	32946
880-18485-79	BH-07 (19'-20')	Total/NA	Solid	8015B NM	32946
880-18485-80	BH-07 (24'-25')	Total/NA	Solid	8015B NM	32946
MB 880-32946/1-A	Method Blank	Total/NA	Solid	8015B NM	32946
LCS 880-32946/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	32946
LCSD 880-32946/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	32946
880-18485-61 MS	BH-10 (19'-20')	Total/NA	Solid	8015B NM	32946
880-18485-61 MSD	BH-10 (19'-20')	Total/NA	Solid	8015B NM	32946

HPLC/IC

Leach Batch: 32897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-81	BH-07 (29'-30')	Soluble	Solid	DI Leach	
MB 880-32897/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-32897/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-32897/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-18475-A-29-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-18475-A-29-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 32899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-1	BH-16 (0'-1')	Soluble	Solid	DI Leach	
880-18485-2	BH-16 (2'-3')	Soluble	Solid	DI Leach	
880-18485-3	BH-16 (4'-5')	Soluble	Solid	DI Leach	
880-18485-4	BH-16 (6'-7')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

HPLC/IC (Continued)

Leach Batch: 32899 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-5	BH-16 (9'-10')	Soluble	Solid	DI Leach	
880-18485-6	BH-16 (14'-15')	Soluble	Solid	DI Leach	
880-18485-7	BH-16 (19'-20')	Soluble	Solid	DI Leach	
880-18485-8	BH-16 (24'-25')	Soluble	Solid	DI Leach	
880-18485-9	BH-16 (29'-30')	Soluble	Solid	DI Leach	
880-18485-10	BH-15 (0'-1')	Soluble	Solid	DI Leach	
880-18485-11	BH-15 (2'-3')	Soluble	Solid	DI Leach	
880-18485-12	BH-15 (4'-5')	Soluble	Solid	DI Leach	
880-18485-13	BH-15 (6'-7')	Soluble	Solid	DI Leach	
880-18485-14	BH-15 (9'-10')	Soluble	Solid	DI Leach	
880-18485-15	BH-15 (14'-15')	Soluble	Solid	DI Leach	
880-18485-16	BH-15 (19'-20')	Soluble	Solid	DI Leach	
880-18485-17	BH-15 (24'-25')	Soluble	Solid	DI Leach	
880-18485-18	BH-15 (29'-30')	Soluble	Solid	DI Leach	
880-18485-19	BH-14 (0'-1')	Soluble	Solid	DI Leach	
880-18485-20	BH-14 (2'-3')	Soluble	Solid	DI Leach	
MB 880-32899/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-32899/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCS 880-32899/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-18485-1 MS	BH-16 (0'-1')	Soluble	Solid	DI Leach	
880-18485-1 MSD	BH-16 (0'-1')	Soluble	Solid	DI Leach	
880-18485-11 MS	BH-15 (2'-3')	Soluble	Solid	DI Leach	
880-18485-11 MSD	BH-15 (2'-3')	Soluble	Solid	DI Leach	

Leach Batch: 32900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-21	BH-14 (4'-5')	Soluble	Solid	DI Leach	
880-18485-22	BH-14 (6'-7')	Soluble	Solid	DI Leach	
880-18485-23	BH-14 (9'-10')	Soluble	Solid	DI Leach	
880-18485-24	BH-14 (14'-15')	Soluble	Solid	DI Leach	
880-18485-25	BH-14 (19'-20')	Soluble	Solid	DI Leach	
880-18485-26	BH-14 (24'-25')	Soluble	Solid	DI Leach	
880-18485-27	BH-14 (29'-30')	Soluble	Solid	DI Leach	
880-18485-28	BH-13 (0'-1')	Soluble	Solid	DI Leach	
880-18485-29	BH-13 (2'-3')	Soluble	Solid	DI Leach	
880-18485-30	BH-13 (4'-5')	Soluble	Solid	DI Leach	
880-18485-31	BH-13 (6'-7')	Soluble	Solid	DI Leach	
880-18485-32	BH-13 (9'-10')	Soluble	Solid	DI Leach	
880-18485-33	BH-13 (14'-15')	Soluble	Solid	DI Leach	
880-18485-34	BH-13 (19'-20')	Soluble	Solid	DI Leach	
880-18485-35	BH-13 (24'-25')	Soluble	Solid	DI Leach	
880-18485-36	BH-13 (29'-30')	Soluble	Solid	DI Leach	
880-18485-37	BH-12 (0'-1')	Soluble	Solid	DI Leach	
880-18485-38	BH-12 (2'-3')	Soluble	Solid	DI Leach	
880-18485-39	BH-12 (4'-5')	Soluble	Solid	DI Leach	
880-18485-40	BH-12 (6'-7')	Soluble	Solid	DI Leach	
MB 880-32900/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-32900/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCS 880-32900/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-18485-21 MS	BH-14 (4'-5')	Soluble	Solid	DI Leach	
880-18485-21 MSD	BH-14 (4'-5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

HPLC/IC (Continued)

Leach Batch: 32900 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-31 MS	BH-13 (6'-7')	Soluble	Solid	DI Leach	
880-18485-31 MSD	BH-13 (6'-7')	Soluble	Solid	DI Leach	

Leach Batch: 32901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-41	BH-12 (9'-10')	Soluble	Solid	DI Leach	
880-18485-42	BH-12 (14'-15')	Soluble	Solid	DI Leach	
880-18485-43	BH-12 (19'-20')	Soluble	Solid	DI Leach	
880-18485-44	BH-12 (24'-25')	Soluble	Solid	DI Leach	
880-18485-45	BH-12 (29'-30')	Soluble	Solid	DI Leach	
880-18485-46	BH-11 (0'-1')	Soluble	Solid	DI Leach	
880-18485-47	BH-11 (2'-3')	Soluble	Solid	DI Leach	
880-18485-48	BH-11 (4'-5')	Soluble	Solid	DI Leach	
880-18485-49	BH-11 (6'-7')	Soluble	Solid	DI Leach	
880-18485-50	BH-11 (9'-10')	Soluble	Solid	DI Leach	
880-18485-51	BH-11 (14'-15')	Soluble	Solid	DI Leach	
880-18485-52	BH-11 (19'-20')	Soluble	Solid	DI Leach	
880-18485-53	BH-11 (24'-25')	Soluble	Solid	DI Leach	
880-18485-54	BH-11 (29'-30')	Soluble	Solid	DI Leach	
880-18485-55	BH-10 (0'-1')	Soluble	Solid	DI Leach	
880-18485-56	BH-10 (2'-3')	Soluble	Solid	DI Leach	
880-18485-57	BH-10 (4'-5')	Soluble	Solid	DI Leach	
880-18485-58	BH-10 (6'-7')	Soluble	Solid	DI Leach	
880-18485-59	BH-10 (9'-10')	Soluble	Solid	DI Leach	
880-18485-60	BH-10 (14'-15')	Soluble	Solid	DI Leach	
MB 880-32901/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-32901/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-32901/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-18485-41 MS	BH-12 (9'-10')	Soluble	Solid	DI Leach	
880-18485-41 MSD	BH-12 (9'-10')	Soluble	Solid	DI Leach	
880-18485-51 MS	BH-11 (14'-15')	Soluble	Solid	DI Leach	
880-18485-51 MSD	BH-11 (14'-15')	Soluble	Solid	DI Leach	

Leach Batch: 32908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-61	BH-10 (19'-20')	Soluble	Solid	DI Leach	
880-18485-62	BH-10 (24'-25')	Soluble	Solid	DI Leach	
880-18485-63	BH-10 (29'-30')	Soluble	Solid	DI Leach	
880-18485-64	BH-09 (0'-1')	Soluble	Solid	DI Leach	
880-18485-65	BH-09 (2'-3')	Soluble	Solid	DI Leach	
880-18485-66	BH-09 (4'-5')	Soluble	Solid	DI Leach	
880-18485-67	BH-09 (6'-7')	Soluble	Solid	DI Leach	
880-18485-68	BH-09 (9'-10')	Soluble	Solid	DI Leach	
880-18485-69	BH-09 (14'-15')	Soluble	Solid	DI Leach	
880-18485-70	BH-09 (19'-20')	Soluble	Solid	DI Leach	
880-18485-71	BH-09 (24'-25')	Soluble	Solid	DI Leach	
880-18485-72	BH-09 (29'-30')	Soluble	Solid	DI Leach	
880-18485-73	BH-07 (0'-1')	Soluble	Solid	DI Leach	
880-18485-74	BH-07 (2'-3')	Soluble	Solid	DI Leach	
880-18485-75	BH-07 (4'-5')	Soluble	Solid	DI Leach	
880-18485-76	BH-07 (6'-7')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
SDG: Lea County New Mexico

HPLC/IC (Continued)

Leach Batch: 32908 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-77	BH-07 (9'-10')	Soluble	Solid	DI Leach	
880-18485-78	BH-07 (14'-15')	Soluble	Solid	DI Leach	
880-18485-79	BH-07 (19'-20')	Soluble	Solid	DI Leach	
880-18485-80	BH-07 (24'-25')	Soluble	Solid	DI Leach	
MB 880-32908/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-32908/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-32908/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-18485-61 MS	BH-10 (19'-20')	Soluble	Solid	DI Leach	
880-18485-61 MSD	BH-10 (19'-20')	Soluble	Solid	DI Leach	
880-18485-71 MS	BH-09 (24'-25')	Soluble	Solid	DI Leach	
880-18485-71 MSD	BH-09 (24'-25')	Soluble	Solid	DI Leach	

Analysis Batch: 33097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-81	BH-07 (29'-30')	Soluble	Solid	300.0	32897
MB 880-32897/1-A	Method Blank	Soluble	Solid	300.0	32897
LCS 880-32897/2-A	Lab Control Sample	Soluble	Solid	300.0	32897
LCSD 880-32897/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	32897
880-18475-A-29-C MS	Matrix Spike	Soluble	Solid	300.0	32897
880-18475-A-29-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	32897

Analysis Batch: 33154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-1	BH-16 (0'-1')	Soluble	Solid	300.0	32899
880-18485-2	BH-16 (2'-3')	Soluble	Solid	300.0	32899
880-18485-3	BH-16 (4'-5')	Soluble	Solid	300.0	32899
880-18485-4	BH-16 (6'-7')	Soluble	Solid	300.0	32899
880-18485-5	BH-16 (9'-10')	Soluble	Solid	300.0	32899
880-18485-6	BH-16 (14'-15')	Soluble	Solid	300.0	32899
880-18485-7	BH-16 (19'-20')	Soluble	Solid	300.0	32899
880-18485-8	BH-16 (24'-25')	Soluble	Solid	300.0	32899
880-18485-9	BH-16 (29'-30')	Soluble	Solid	300.0	32899
880-18485-10	BH-15 (0'-1')	Soluble	Solid	300.0	32899
880-18485-11	BH-15 (2'-3')	Soluble	Solid	300.0	32899
880-18485-12	BH-15 (4'-5')	Soluble	Solid	300.0	32899
880-18485-13	BH-15 (6'-7')	Soluble	Solid	300.0	32899
880-18485-14	BH-15 (9'-10')	Soluble	Solid	300.0	32899
880-18485-15	BH-15 (14'-15')	Soluble	Solid	300.0	32899
880-18485-16	BH-15 (19'-20')	Soluble	Solid	300.0	32899
880-18485-17	BH-15 (24'-25')	Soluble	Solid	300.0	32899
880-18485-18	BH-15 (29'-30')	Soluble	Solid	300.0	32899
880-18485-19	BH-14 (0'-1')	Soluble	Solid	300.0	32899
880-18485-20	BH-14 (2'-3')	Soluble	Solid	300.0	32899
MB 880-32899/1-A	Method Blank	Soluble	Solid	300.0	32899
LCS 880-32899/2-A	Lab Control Sample	Soluble	Solid	300.0	32899
LCSD 880-32899/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	32899
880-18485-1 MS	BH-16 (0'-1')	Soluble	Solid	300.0	32899
880-18485-1 MSD	BH-16 (0'-1')	Soluble	Solid	300.0	32899
880-18485-11 MS	BH-15 (2'-3')	Soluble	Solid	300.0	32899
880-18485-11 MSD	BH-15 (2'-3')	Soluble	Solid	300.0	32899

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QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

HPLC/IC

Analysis Batch: 33158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-41	BH-12 (9'-10')	Soluble	Solid	300.0	32901
880-18485-42	BH-12 (14'-15')	Soluble	Solid	300.0	32901
880-18485-43	BH-12 (19'-20')	Soluble	Solid	300.0	32901
880-18485-44	BH-12 (24'-25')	Soluble	Solid	300.0	32901
880-18485-45	BH-12 (29'-30')	Soluble	Solid	300.0	32901
880-18485-46	BH-11 (0'-1')	Soluble	Solid	300.0	32901
880-18485-47	BH-11 (2'-3')	Soluble	Solid	300.0	32901
880-18485-48	BH-11 (4'-5')	Soluble	Solid	300.0	32901
880-18485-49	BH-11 (6'-7')	Soluble	Solid	300.0	32901
880-18485-50	BH-11 (9'-10')	Soluble	Solid	300.0	32901
880-18485-51	BH-11 (14'-15')	Soluble	Solid	300.0	32901
880-18485-52	BH-11 (19'-20')	Soluble	Solid	300.0	32901
880-18485-53	BH-11 (24'-25')	Soluble	Solid	300.0	32901
880-18485-54	BH-11 (29'-30')	Soluble	Solid	300.0	32901
880-18485-55	BH-10 (0'-1')	Soluble	Solid	300.0	32901
880-18485-56	BH-10 (2'-3')	Soluble	Solid	300.0	32901
880-18485-57	BH-10 (4'-5')	Soluble	Solid	300.0	32901
880-18485-58	BH-10 (6'-7')	Soluble	Solid	300.0	32901
880-18485-59	BH-10 (9'-10')	Soluble	Solid	300.0	32901
880-18485-60	BH-10 (14'-15')	Soluble	Solid	300.0	32901
MB 880-32901/1-A	Method Blank	Soluble	Solid	300.0	32901
LCS 880-32901/2-A	Lab Control Sample	Soluble	Solid	300.0	32901
LCSD 880-32901/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	32901
880-18485-41 MS	BH-12 (9'-10')	Soluble	Solid	300.0	32901
880-18485-41 MSD	BH-12 (9'-10')	Soluble	Solid	300.0	32901
880-18485-51 MS	BH-11 (14'-15')	Soluble	Solid	300.0	32901
880-18485-51 MSD	BH-11 (14'-15')	Soluble	Solid	300.0	32901

Analysis Batch: 33161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-21	BH-14 (4'-5')	Soluble	Solid	300.0	32900
880-18485-22	BH-14 (6'-7')	Soluble	Solid	300.0	32900
880-18485-23	BH-14 (9'-10')	Soluble	Solid	300.0	32900
880-18485-24	BH-14 (14'-15')	Soluble	Solid	300.0	32900
880-18485-25	BH-14 (19'-20')	Soluble	Solid	300.0	32900
880-18485-26	BH-14 (24'-25')	Soluble	Solid	300.0	32900
880-18485-27	BH-14 (29'-30')	Soluble	Solid	300.0	32900
880-18485-28	BH-13 (0'-1')	Soluble	Solid	300.0	32900
880-18485-29	BH-13 (2'-3')	Soluble	Solid	300.0	32900
880-18485-30	BH-13 (4'-5')	Soluble	Solid	300.0	32900
880-18485-31	BH-13 (6'-7')	Soluble	Solid	300.0	32900
880-18485-32	BH-13 (9'-10')	Soluble	Solid	300.0	32900
880-18485-33	BH-13 (14'-15')	Soluble	Solid	300.0	32900
880-18485-34	BH-13 (19'-20')	Soluble	Solid	300.0	32900
880-18485-35	BH-13 (24'-25')	Soluble	Solid	300.0	32900
880-18485-36	BH-13 (29'-30')	Soluble	Solid	300.0	32900
880-18485-37	BH-12 (0'-1')	Soluble	Solid	300.0	32900
880-18485-38	BH-12 (2'-3')	Soluble	Solid	300.0	32900
880-18485-39	BH-12 (4'-5')	Soluble	Solid	300.0	32900
880-18485-40	BH-12 (6'-7')	Soluble	Solid	300.0	32900
MB 880-32900/1-A	Method Blank	Soluble	Solid	300.0	32900

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

HPLC/IC (Continued)

Analysis Batch: 33161 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-32900/2-A	Lab Control Sample	Soluble	Solid	300.0	32900
LCSD 880-32900/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	32900
880-18485-21 MS	BH-14 (4'-5')	Soluble	Solid	300.0	32900
880-18485-21 MSD	BH-14 (4'-5')	Soluble	Solid	300.0	32900
880-18485-31 MS	BH-13 (6'-7')	Soluble	Solid	300.0	32900
880-18485-31 MSD	BH-13 (6'-7')	Soluble	Solid	300.0	32900

Analysis Batch: 33163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18485-61	BH-10 (19'-20')	Soluble	Solid	300.0	32908
880-18485-62	BH-10 (24'-25')	Soluble	Solid	300.0	32908
880-18485-63	BH-10 (29'-30')	Soluble	Solid	300.0	32908
880-18485-64	BH-09 (0'-1')	Soluble	Solid	300.0	32908
880-18485-65	BH-09 (2'-3')	Soluble	Solid	300.0	32908
880-18485-66	BH-09 (4'-5')	Soluble	Solid	300.0	32908
880-18485-67	BH-09 (6'-7')	Soluble	Solid	300.0	32908
880-18485-68	BH-09 (9'-10')	Soluble	Solid	300.0	32908
880-18485-69	BH-09 (14'-15')	Soluble	Solid	300.0	32908
880-18485-70	BH-09 (19'-20')	Soluble	Solid	300.0	32908
880-18485-71	BH-09 (24'-25')	Soluble	Solid	300.0	32908
880-18485-72	BH-09 (29'-30')	Soluble	Solid	300.0	32908
880-18485-73	BH-07 (0'-1')	Soluble	Solid	300.0	32908
880-18485-74	BH-07 (2'-3')	Soluble	Solid	300.0	32908
880-18485-75	BH-07 (4'-5')	Soluble	Solid	300.0	32908
880-18485-76	BH-07 (6'-7')	Soluble	Solid	300.0	32908
880-18485-77	BH-07 (9'-10')	Soluble	Solid	300.0	32908
880-18485-78	BH-07 (14'-15')	Soluble	Solid	300.0	32908
880-18485-79	BH-07 (19'-20')	Soluble	Solid	300.0	32908
880-18485-80	BH-07 (24'-25')	Soluble	Solid	300.0	32908
MB 880-32908/1-A	Method Blank	Soluble	Solid	300.0	32908
LCS 880-32908/2-A	Lab Control Sample	Soluble	Solid	300.0	32908
LCSD 880-32908/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	32908
880-18485-61 MS	BH-10 (19'-20')	Soluble	Solid	300.0	32908
880-18485-61 MSD	BH-10 (19'-20')	Soluble	Solid	300.0	32908
880-18485-71 MS	BH-09 (24'-25')	Soluble	Solid	300.0	32908
880-18485-71 MSD	BH-09 (24'-25')	Soluble	Solid	300.0	32908

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-16 (0'-1')

Lab Sample ID: 880-18485-1

Date Collected: 08/22/22 13:00

Matrix: Solid

Date Received: 08/24/22 14:18

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	32949	08/25/22 13:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/29/22 13:45	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32920	08/25/22 09:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/25/22 21:27	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33154	08/29/22 03:49	CH	EET MID

Client Sample ID: BH-16 (2'-3')

Lab Sample ID: 880-18485-2

Date Collected: 08/22/22 13:05

Matrix: Solid

Date Received: 08/24/22 14:18

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	32949	08/25/22 13:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/29/22 14:11	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32920	08/25/22 09:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/25/22 22:31	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33154	08/29/22 04:17	CH	EET MID

Client Sample ID: BH-16 (4'-5')

Lab Sample ID: 880-18485-3

Date Collected: 08/22/22 13:10

Matrix: Solid

Date Received: 08/24/22 14:18

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	32949	08/25/22 13:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/29/22 14:37	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32920	08/25/22 09:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/25/22 22:52	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		10	0 mL	0 mL	33154	08/29/22 04:26	CH	EET MID

Client Sample ID: BH-16 (6'-7')

Lab Sample ID: 880-18485-4

Date Collected: 08/22/22 13:15

Matrix: Solid

Date Received: 08/24/22 14:18

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	32949	08/25/22 13:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/29/22 15:02	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-16 (6'-7')

Lab Sample ID: 880-18485-4

Date Collected: 08/22/22 13:15

Matrix: Solid

Date Received: 08/24/22 14:18

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			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32920	08/25/22 09:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/25/22 23:13	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33154	08/29/22 04:35	CH	EET MID

Client Sample ID: BH-16 (9'-10')

Lab Sample ID: 880-18485-5

Date Collected: 08/22/22 13:20

Matrix: Solid

Date Received: 08/24/22 14:18

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	32949	08/25/22 13:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/29/22 15:28	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32920	08/25/22 09:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/25/22 23:34	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33154	08/29/22 04:45	CH	EET MID

Client Sample ID: BH-16 (14'-15')

Lab Sample ID: 880-18485-6

Date Collected: 08/22/22 13:25

Matrix: Solid

Date Received: 08/24/22 14:18

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	32949	08/25/22 13:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/29/22 15:53	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32920	08/25/22 09:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/25/22 23:55	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33154	08/29/22 05:12	CH	EET MID

Client Sample ID: BH-16 (19'-20')

Lab Sample ID: 880-18485-7

Date Collected: 08/22/22 13:30

Matrix: Solid

Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	32949	08/25/22 13:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/29/22 16:19	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32920	08/25/22 09:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/26/22 00:16	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-16 (19'-20')

Lab Sample ID: 880-18485-7

Date Collected: 08/22/22 13:30

Matrix: Solid

Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33154	08/29/22 05:22	CH	EET MID

Client Sample ID: BH-16 (24'-25')

Lab Sample ID: 880-18485-8

Date Collected: 08/22/22 13:40

Matrix: Solid

Date Received: 08/24/22 14:18

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	32949	08/25/22 13:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/29/22 19:31	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32920	08/25/22 09:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/26/22 00:37	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33154	08/29/22 05:31	CH	EET MID

Client Sample ID: BH-16 (29'-30')

Lab Sample ID: 880-18485-9

Date Collected: 08/22/22 13:50

Matrix: Solid

Date Received: 08/24/22 14:18

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	32949	08/25/22 13:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/29/22 19:57	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32920	08/25/22 09:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/26/22 00:58	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33154	08/29/22 05:40	CH	EET MID

Client Sample ID: BH-15 (0'-1')

Lab Sample ID: 880-18485-10

Date Collected: 08/22/22 14:00

Matrix: Solid

Date Received: 08/24/22 14:18

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	32949	08/25/22 13:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/29/22 20:23	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32920	08/25/22 09:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/26/22 01:19	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33154	08/29/22 05:49	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-15 (2'-3')

Lab Sample ID: 880-18485-11

Date Collected: 08/22/22 14:05

Matrix: Solid

Date Received: 08/24/22 14:18

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	32949	08/25/22 13:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/29/22 20:49	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32920	08/25/22 09:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/26/22 02:02	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33154	08/29/22 05:58	CH	EET MID

Client Sample ID: BH-15 (4'-5')

Lab Sample ID: 880-18485-12

Date Collected: 08/22/22 14:10

Matrix: Solid

Date Received: 08/24/22 14:18

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	32949	08/25/22 13:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/29/22 21:15	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32920	08/25/22 09:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/26/22 02:23	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33154	08/29/22 06:26	CH	EET MID

Client Sample ID: BH-15 (6'-7')

Lab Sample ID: 880-18485-13

Date Collected: 08/22/22 14:15

Matrix: Solid

Date Received: 08/24/22 14:18

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	32949	08/25/22 13:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/29/22 21:40	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32920	08/25/22 09:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/26/22 02:44	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		10	0 mL	0 mL	33154	08/29/22 06:35	CH	EET MID

Client Sample ID: BH-15 (9'-10')

Lab Sample ID: 880-18485-14

Date Collected: 08/22/22 14:20

Matrix: Solid

Date Received: 08/24/22 14:18

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	32949	08/25/22 13:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/29/22 22:06	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-15 (9'-10')

Lab Sample ID: 880-18485-14

Date Collected: 08/22/22 14:20

Matrix: Solid

Date Received: 08/24/22 14:18

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			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32920	08/25/22 09:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/26/22 03:05	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		10	0 mL	0 mL	33154	08/29/22 07:03	CH	EET MID

Client Sample ID: BH-15 (14'-15')

Lab Sample ID: 880-18485-15

Date Collected: 08/22/22 14:25

Matrix: Solid

Date Received: 08/24/22 14:18

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	32949	08/25/22 13:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/29/22 22:32	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32920	08/25/22 09:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/26/22 03:26	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33154	08/29/22 07:12	CH	EET MID

Client Sample ID: BH-15 (19'-20')

Lab Sample ID: 880-18485-16

Date Collected: 08/22/22 14:30

Matrix: Solid

Date Received: 08/24/22 14:18

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	32949	08/25/22 13:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/29/22 22:58	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	32920	08/25/22 09:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/26/22 03:48	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33154	08/29/22 07:21	CH	EET MID

Client Sample ID: BH-15 (24'-25')

Lab Sample ID: 880-18485-17

Date Collected: 08/22/22 14:40

Matrix: Solid

Date Received: 08/24/22 14:18

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	32949	08/25/22 13:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/29/22 23:24	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32920	08/25/22 09:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/26/22 04:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-15 (24'-25')

Lab Sample ID: 880-18485-17

Date Collected: 08/22/22 14:40

Matrix: Solid

Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33154	08/29/22 07:31	CH	EET MID

Client Sample ID: BH-15 (29'-30')

Lab Sample ID: 880-18485-18

Date Collected: 08/22/22 14:50

Matrix: Solid

Date Received: 08/24/22 14:18

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	33194	08/29/22 11:04	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33162	08/30/22 05:47	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32920	08/25/22 09:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/26/22 04:30	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33154	08/29/22 07:40	CH	EET MID

Client Sample ID: BH-14 (0'-1')

Lab Sample ID: 880-18485-19

Date Collected: 08/22/22 15:00

Matrix: Solid

Date Received: 08/24/22 14:18

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	33194	08/29/22 11:04	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33162	08/30/22 06:07	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32920	08/25/22 09:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/26/22 04:52	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33154	08/29/22 07:49	CH	EET MID

Client Sample ID: BH-14 (2'-3')

Lab Sample ID: 880-18485-20

Date Collected: 08/22/22 15:05

Matrix: Solid

Date Received: 08/24/22 14:18

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	33194	08/29/22 11:04	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33162	08/30/22 06:28	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32920	08/25/22 09:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/26/22 05:13	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	32899	08/25/22 09:20	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33154	08/29/22 07:58	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-14 (4'-5')

Lab Sample ID: 880-18485-21

Date Collected: 08/22/22 15:10

Matrix: Solid

Date Received: 08/24/22 14:18

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	32950	08/25/22 13:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/30/22 03:11	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32937	08/25/22 11:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32894	08/25/22 21:27	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	32900	08/25/22 09:22	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33161	08/28/22 03:25	CH	EET MID

Client Sample ID: BH-14 (6'-7')

Lab Sample ID: 880-18485-22

Date Collected: 08/22/22 15:15

Matrix: Solid

Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	32950	08/25/22 13:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/30/22 03:36	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32937	08/25/22 11:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32894	08/25/22 22:31	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	32900	08/25/22 09:22	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33161	08/28/22 03:48	CH	EET MID

Client Sample ID: BH-14 (9'-10')

Lab Sample ID: 880-18485-23

Date Collected: 08/22/22 15:20

Matrix: Solid

Date Received: 08/24/22 14:18

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	32950	08/25/22 13:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/30/22 04:01	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32937	08/25/22 11:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32894	08/25/22 22:52	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	32900	08/25/22 09:22	KS	EET MID
Soluble	Analysis	300.0		10	0 mL	0 mL	33161	08/28/22 03:56	CH	EET MID

Client Sample ID: BH-14 (14'-15')

Lab Sample ID: 880-18485-24

Date Collected: 08/22/22 15:25

Matrix: Solid

Date Received: 08/24/22 14:18

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	32950	08/25/22 13:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/30/22 04:26	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-14 (14'-15')

Lab Sample ID: 880-18485-24

Date Collected: 08/22/22 15:25

Matrix: Solid

Date Received: 08/24/22 14:18

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			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32937	08/25/22 11:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32894	08/25/22 23:13	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	32900	08/25/22 09:22	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33161	08/28/22 04:04	CH	EET MID

Client Sample ID: BH-14 (19'-20')

Lab Sample ID: 880-18485-25

Date Collected: 08/22/22 15:30

Matrix: Solid

Date Received: 08/24/22 14:18

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	32950	08/25/22 13:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/30/22 04:52	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32937	08/25/22 11:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32894	08/25/22 23:34	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	32900	08/25/22 09:22	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33161	08/28/22 04:12	CH	EET MID

Client Sample ID: BH-14 (24'-25')

Lab Sample ID: 880-18485-26

Date Collected: 08/22/22 15:40

Matrix: Solid

Date Received: 08/24/22 14:18

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	32950	08/25/22 13:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/30/22 05:17	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32937	08/25/22 11:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32894	08/25/22 23:55	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	32900	08/25/22 09:22	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33161	08/28/22 04:36	CH	EET MID

Client Sample ID: BH-14 (29'-30')

Lab Sample ID: 880-18485-27

Date Collected: 08/22/22 15:50

Matrix: Solid

Date Received: 08/24/22 14:18

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	32950	08/25/22 13:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/30/22 05:42	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32937	08/25/22 11:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32894	08/26/22 00:16	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-14 (29'-30')

Lab Sample ID: 880-18485-27

Date Collected: 08/22/22 15:50

Matrix: Solid

Date Received: 08/24/22 14:18

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	32900	08/25/22 09:22	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33161	08/28/22 04:43	CH	EET MID

Client Sample ID: BH-13 (0'-1')

Lab Sample ID: 880-18485-28

Date Collected: 08/23/22 10:00

Matrix: Solid

Date Received: 08/24/22 14:18

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	32950	08/25/22 13:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/30/22 06:07	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32937	08/25/22 11:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32894	08/26/22 00:37	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	32900	08/25/22 09:22	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33161	08/28/22 04:51	CH	EET MID

Client Sample ID: BH-13 (2'-3')

Lab Sample ID: 880-18485-29

Date Collected: 08/23/22 10:05

Matrix: Solid

Date Received: 08/24/22 14:18

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	32950	08/25/22 13:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/30/22 06:33	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32937	08/25/22 11:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32894	08/26/22 00:58	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	32900	08/25/22 09:22	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33161	08/28/22 04:59	CH	EET MID

Client Sample ID: BH-13 (4'-5')

Lab Sample ID: 880-18485-30

Date Collected: 08/23/22 10:10

Matrix: Solid

Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	32950	08/25/22 13:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/30/22 06:59	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32937	08/25/22 11:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32894	08/26/22 01:19	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	32900	08/25/22 09:22	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33161	08/28/22 05:07	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-13 (6'-7')

Lab Sample ID: 880-18485-31

Date Collected: 08/23/22 10:15

Matrix: Solid

Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	32950	08/25/22 13:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/30/22 08:45	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32937	08/25/22 11:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32894	08/26/22 02:02	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	32900	08/25/22 09:22	KS	EET MID
Soluble	Analysis	300.0		10	0 mL	0 mL	33161	08/28/22 05:15	CH	EET MID

Client Sample ID: BH-13 (9'-10')

Lab Sample ID: 880-18485-32

Date Collected: 08/23/22 10:20

Matrix: Solid

Date Received: 08/24/22 14:18

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	32950	08/25/22 13:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/30/22 09:11	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32937	08/25/22 11:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32894	08/26/22 02:23	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	32900	08/25/22 09:22	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33161	08/28/22 05:38	CH	EET MID

Client Sample ID: BH-13 (14'-15')

Lab Sample ID: 880-18485-33

Date Collected: 08/23/22 10:25

Matrix: Solid

Date Received: 08/24/22 14:18

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	32950	08/25/22 13:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/30/22 09:36	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32937	08/25/22 11:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32894	08/26/22 02:44	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	32900	08/25/22 09:22	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33161	08/28/22 05:46	CH	EET MID

Client Sample ID: BH-13 (19'-20')

Lab Sample ID: 880-18485-34

Date Collected: 08/23/22 10:30

Matrix: Solid

Date Received: 08/24/22 14:18

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	32950	08/25/22 13:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/30/22 10:02	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-13 (19'-20')

Lab Sample ID: 880-18485-34

Date Collected: 08/23/22 10:30

Matrix: Solid

Date Received: 08/24/22 14:18

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			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32937	08/25/22 11:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32894	08/26/22 03:05	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	32900	08/25/22 09:22	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33161	08/28/22 06:10	CH	EET MID

Client Sample ID: BH-13 (24'-25')

Lab Sample ID: 880-18485-35

Date Collected: 08/23/22 10:35

Matrix: Solid

Date Received: 08/24/22 14:18

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	32950	08/25/22 13:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/30/22 10:28	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32937	08/25/22 11:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32894	08/26/22 03:26	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	32900	08/25/22 09:22	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33161	08/28/22 06:18	CH	EET MID

Client Sample ID: BH-13 (29'-30')

Lab Sample ID: 880-18485-36

Date Collected: 08/23/22 10:40

Matrix: Solid

Date Received: 08/24/22 14:18

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	32950	08/25/22 13:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/30/22 10:54	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32937	08/25/22 11:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32894	08/26/22 03:48	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	32900	08/25/22 09:22	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33161	08/28/22 06:25	CH	EET MID

Client Sample ID: BH-12 (0'-1')

Lab Sample ID: 880-18485-37

Date Collected: 08/23/22 11:00

Matrix: Solid

Date Received: 08/24/22 14:18

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	32950	08/25/22 13:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/30/22 11:19	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32937	08/25/22 11:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32894	08/26/22 04:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-12 (0'-1')

Lab Sample ID: 880-18485-37

Date Collected: 08/23/22 11:00

Matrix: Solid

Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	32900	08/25/22 09:22	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33161	08/28/22 06:33	CH	EET MID

Client Sample ID: BH-12 (2'-3')

Lab Sample ID: 880-18485-38

Date Collected: 08/23/22 11:05

Matrix: Solid

Date Received: 08/24/22 14:18

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	32950	08/25/22 13:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/30/22 11:45	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32937	08/25/22 11:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32894	08/26/22 04:30	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	32900	08/25/22 09:22	KS	EET MID
Soluble	Analysis	300.0		10	0 mL	0 mL	33161	08/28/22 06:41	CH	EET MID

Client Sample ID: BH-12 (4'-5')

Lab Sample ID: 880-18485-39

Date Collected: 08/23/22 11:10

Matrix: Solid

Date Received: 08/24/22 14:18

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	32950	08/25/22 13:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/30/22 12:11	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32937	08/25/22 11:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32894	08/26/22 04:52	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	32900	08/25/22 09:22	KS	EET MID
Soluble	Analysis	300.0		10	0 mL	0 mL	33161	08/28/22 06:49	CH	EET MID

Client Sample ID: BH-12 (6'-7')

Lab Sample ID: 880-18485-40

Date Collected: 08/23/22 11:15

Matrix: Solid

Date Received: 08/24/22 14:18

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	32950	08/25/22 13:47	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33156	08/30/22 12:37	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32937	08/25/22 11:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32894	08/26/22 05:13	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	32900	08/25/22 09:22	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33161	08/28/22 06:57	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-12 (9'-10')

Lab Sample ID: 880-18485-41

Date Collected: 08/23/22 11:20

Matrix: Solid

Date Received: 08/24/22 14:18

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	32980	08/25/22 13:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 11:22	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32938	08/25/22 11:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33016	08/26/22 12:11	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	32901	08/25/22 09:24	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33158	08/28/22 08:00	CH	EET MID

Client Sample ID: BH-12 (14'-15')

Lab Sample ID: 880-18485-42

Date Collected: 08/23/22 11:25

Matrix: Solid

Date Received: 08/24/22 14:18

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	32980	08/25/22 13:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 11:43	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32938	08/25/22 11:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33016	08/26/22 13:14	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	32901	08/25/22 09:24	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33158	08/28/22 08:23	CH	EET MID

Client Sample ID: BH-12 (19'-20')

Lab Sample ID: 880-18485-43

Date Collected: 08/23/22 11:30

Matrix: Solid

Date Received: 08/24/22 14:18

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	32980	08/25/22 13:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 12:03	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32938	08/25/22 11:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33016	08/26/22 13:34	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	32901	08/25/22 09:24	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33158	08/28/22 08:31	CH	EET MID

Client Sample ID: BH-12 (24'-25')

Lab Sample ID: 880-18485-44

Date Collected: 08/23/22 11:35

Matrix: Solid

Date Received: 08/24/22 14:18

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	32980	08/25/22 13:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 12:23	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-12 (24'-25')

Lab Sample ID: 880-18485-44

Date Collected: 08/23/22 11:35

Matrix: Solid

Date Received: 08/24/22 14:18

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			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32938	08/25/22 11:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33016	08/26/22 13:55	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	32901	08/25/22 09:24	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33158	08/28/22 08:39	CH	EET MID

Client Sample ID: BH-12 (29'-30')

Lab Sample ID: 880-18485-45

Date Collected: 08/23/22 11:40

Matrix: Solid

Date Received: 08/24/22 14:18

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	32980	08/25/22 13:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 12:44	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32938	08/25/22 11:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33016	08/26/22 14:16	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	32901	08/25/22 09:24	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33158	08/28/22 08:47	CH	EET MID

Client Sample ID: BH-11 (0'-1')

Lab Sample ID: 880-18485-46

Date Collected: 08/23/22 12:00

Matrix: Solid

Date Received: 08/24/22 14:18

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	32980	08/25/22 13:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 13:04	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32938	08/25/22 11:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33016	08/26/22 14:37	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	32901	08/25/22 09:24	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33158	08/28/22 09:10	CH	EET MID

Client Sample ID: BH-11 (2'-3')

Lab Sample ID: 880-18485-47

Date Collected: 08/23/22 12:05

Matrix: Solid

Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	32980	08/25/22 13:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 13:25	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32938	08/25/22 11:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33016	08/26/22 14:58	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-11 (2'-3')

Lab Sample ID: 880-18485-47

Date Collected: 08/23/22 12:05

Matrix: Solid

Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	32901	08/25/22 09:24	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33158	08/28/22 09:18	CH	EET MID

Client Sample ID: BH-11 (4'-5')

Lab Sample ID: 880-18485-48

Date Collected: 08/23/22 12:10

Matrix: Solid

Date Received: 08/24/22 14:18

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	32980	08/25/22 13:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 13:45	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32938	08/25/22 11:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33016	08/26/22 15:19	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	32901	08/25/22 09:24	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33158	08/28/22 09:26	CH	EET MID

Client Sample ID: BH-11 (6'-7')

Lab Sample ID: 880-18485-49

Date Collected: 08/23/22 12:15

Matrix: Solid

Date Received: 08/24/22 14:18

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	32980	08/25/22 13:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 14:06	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32938	08/25/22 11:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33016	08/26/22 15:40	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	32901	08/25/22 09:24	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33158	08/28/22 09:34	CH	EET MID

Client Sample ID: BH-11 (9'-10')

Lab Sample ID: 880-18485-50

Date Collected: 08/23/22 12:20

Matrix: Solid

Date Received: 08/24/22 14:18

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	32980	08/25/22 13:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 14:26	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32938	08/25/22 11:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33016	08/26/22 16:01	SM	EET MID
Soluble	Leach	DI Leach			5.2 g	50 mL	32901	08/25/22 09:24	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33158	08/28/22 09:42	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-11 (14'-15')

Lab Sample ID: 880-18485-51

Date Collected: 08/23/22 12:25

Matrix: Solid

Date Received: 08/24/22 14:18

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	32980	08/25/22 13:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 15:49	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32938	08/25/22 11:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33016	08/26/22 16:43	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	32901	08/25/22 09:24	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33158	08/28/22 09:50	CH	EET MID

Client Sample ID: BH-11 (19'-20')

Lab Sample ID: 880-18485-52

Date Collected: 08/23/22 12:30

Matrix: Solid

Date Received: 08/24/22 14:18

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	32980	08/25/22 13:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 16:09	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32938	08/25/22 11:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33016	08/26/22 17:04	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	32901	08/25/22 09:24	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33158	08/28/22 10:13	CH	EET MID

Client Sample ID: BH-11 (24'-25')

Lab Sample ID: 880-18485-53

Date Collected: 08/23/22 12:35

Matrix: Solid

Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	32980	08/25/22 13:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 16:30	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32938	08/25/22 11:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33016	08/26/22 17:24	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	32901	08/25/22 09:24	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33158	08/28/22 10:21	CH	EET MID

Client Sample ID: BH-11 (29'-30')

Lab Sample ID: 880-18485-54

Date Collected: 08/23/22 12:40

Matrix: Solid

Date Received: 08/24/22 14:18

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	32980	08/25/22 13:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 16:50	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-11 (29'-30')

Lab Sample ID: 880-18485-54

Date Collected: 08/23/22 12:40

Matrix: Solid

Date Received: 08/24/22 14:18

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			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32938	08/25/22 11:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33016	08/26/22 17:45	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	32901	08/25/22 09:24	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33158	08/28/22 10:45	CH	EET MID

Client Sample ID: BH-10 (0'-1')

Lab Sample ID: 880-18485-55

Date Collected: 08/23/22 13:00

Matrix: Solid

Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	32980	08/25/22 13:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 17:11	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32938	08/25/22 11:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33016	08/26/22 18:06	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	32901	08/25/22 09:24	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33158	08/28/22 10:52	CH	EET MID

Client Sample ID: BH-10 (2'-3')

Lab Sample ID: 880-18485-56

Date Collected: 08/23/22 13:05

Matrix: Solid

Date Received: 08/24/22 14:18

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	32980	08/25/22 13:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 17:31	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32938	08/25/22 11:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33016	08/26/22 18:28	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	32901	08/25/22 09:24	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33158	08/28/22 11:00	CH	EET MID

Client Sample ID: BH-10 (4'-5')

Lab Sample ID: 880-18485-57

Date Collected: 08/23/22 13:10

Matrix: Solid

Date Received: 08/24/22 14:18

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	32980	08/25/22 13:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 17:52	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32938	08/25/22 11:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33016	08/26/22 18:48	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-10 (4'-5')

Lab Sample ID: 880-18485-57

Date Collected: 08/23/22 13:10

Matrix: Solid

Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	32901	08/25/22 09:24	KS	EET MID
Soluble	Analysis	300.0		10	0 mL	0 mL	33158	08/28/22 11:08	CH	EET MID

Client Sample ID: BH-10 (6'-7')

Lab Sample ID: 880-18485-58

Date Collected: 08/23/22 13:15

Matrix: Solid

Date Received: 08/24/22 14:18

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	32980	08/25/22 13:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 18:12	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32938	08/25/22 11:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33016	08/26/22 19:09	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	32901	08/25/22 09:24	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33158	08/28/22 11:16	CH	EET MID

Client Sample ID: BH-10 (9'-10')

Lab Sample ID: 880-18485-59

Date Collected: 08/23/22 13:20

Matrix: Solid

Date Received: 08/24/22 14:18

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	32980	08/25/22 13:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 18:32	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32938	08/25/22 11:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33016	08/26/22 19:30	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	32901	08/25/22 09:24	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33158	08/28/22 11:24	CH	EET MID

Client Sample ID: BH-10 (14'-15')

Lab Sample ID: 880-18485-60

Date Collected: 08/23/22 13:25

Matrix: Solid

Date Received: 08/24/22 14:18

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	32980	08/25/22 13:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 18:53	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32938	08/25/22 11:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33016	08/26/22 19:51	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	32901	08/25/22 09:24	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33158	08/28/22 11:32	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-10 (19'-20')

Lab Sample ID: 880-18485-61

Date Collected: 08/23/22 13:30

Matrix: Solid

Date Received: 08/24/22 14:18

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	32985	08/25/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 22:36	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32946	08/25/22 13:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33102	08/27/22 12:09	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	32908	08/25/22 09:38	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33163	08/28/22 12:35	CH	EET MID

Client Sample ID: BH-10 (24'-25')

Lab Sample ID: 880-18485-62

Date Collected: 08/23/22 13:35

Matrix: Solid

Date Received: 08/24/22 14:18

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	32985	08/25/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 22:57	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32946	08/25/22 13:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33102	08/27/22 13:15	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	32908	08/25/22 09:38	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33163	08/28/22 16:03	CH	EET MID

Client Sample ID: BH-10 (29'-30')

Lab Sample ID: 880-18485-63

Date Collected: 08/23/22 13:40

Matrix: Solid

Date Received: 08/24/22 14:18

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	32985	08/25/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 23:17	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32946	08/25/22 13:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33102	08/27/22 13:37	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	32908	08/25/22 09:38	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33163	08/28/22 16:11	CH	EET MID

Client Sample ID: BH-09 (0'-1')

Lab Sample ID: 880-18485-64

Date Collected: 08/23/22 14:00

Matrix: Solid

Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	32985	08/25/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 23:37	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-09 (0'-1')

Lab Sample ID: 880-18485-64

Date Collected: 08/23/22 14:00

Matrix: Solid

Date Received: 08/24/22 14:18

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			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32946	08/25/22 13:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33102	08/27/22 13:59	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	32908	08/25/22 09:38	KS	EET MID
Soluble	Analysis	300.0		10	0 mL	0 mL	33163	08/28/22 13:01	CH	EET MID

Client Sample ID: BH-09 (2'-3')

Lab Sample ID: 880-18485-65

Date Collected: 08/23/22 14:05

Matrix: Solid

Date Received: 08/24/22 14:18

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	32985	08/25/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/01/22 23:58	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32946	08/25/22 13:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33102	08/27/22 14:21	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	32908	08/25/22 09:38	KS	EET MID
Soluble	Analysis	300.0		10	0 mL	0 mL	33163	08/28/22 16:18	CH	EET MID

Client Sample ID: BH-09 (4'-5')

Lab Sample ID: 880-18485-66

Date Collected: 08/23/22 14:10

Matrix: Solid

Date Received: 08/24/22 14:18

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	32985	08/25/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/02/22 00:18	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32946	08/25/22 13:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33102	08/27/22 14:42	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	32908	08/25/22 09:38	KS	EET MID
Soluble	Analysis	300.0		20	0 mL	0 mL	33163	08/28/22 13:25	CH	EET MID

Client Sample ID: BH-09 (6'-7')

Lab Sample ID: 880-18485-67

Date Collected: 08/23/22 14:15

Matrix: Solid

Date Received: 08/24/22 14:18

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	32985	08/25/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/02/22 00:39	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32946	08/25/22 13:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33102	08/27/22 15:04	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-09 (6'-7')

Lab Sample ID: 880-18485-67

Date Collected: 08/23/22 14:15

Matrix: Solid

Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	32908	08/25/22 09:38	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33163	08/28/22 13:33	CH	EET MID

Client Sample ID: BH-09 (9'-10')

Lab Sample ID: 880-18485-68

Date Collected: 08/23/22 14:20

Matrix: Solid

Date Received: 08/24/22 14:18

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	32985	08/25/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/02/22 00:59	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	32946	08/25/22 13:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33102	08/27/22 15:25	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	32908	08/25/22 09:38	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33163	08/28/22 13:41	CH	EET MID

Client Sample ID: BH-09 (14'-15')

Lab Sample ID: 880-18485-69

Date Collected: 08/23/22 14:25

Matrix: Solid

Date Received: 08/24/22 14:18

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	32985	08/25/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/02/22 01:20	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32946	08/25/22 13:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33102	08/27/22 15:47	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	32908	08/25/22 09:38	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33163	08/28/22 13:49	CH	EET MID

Client Sample ID: BH-09 (19'-20')

Lab Sample ID: 880-18485-70

Date Collected: 08/23/22 14:30

Matrix: Solid

Date Received: 08/24/22 14:18

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	32985	08/25/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/02/22 01:40	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32946	08/25/22 13:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33102	08/27/22 16:08	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	32908	08/25/22 09:38	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33163	08/28/22 13:57	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-09 (24'-25')

Lab Sample ID: 880-18485-71

Date Collected: 08/23/22 14:35

Matrix: Solid

Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	32985	08/25/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/02/22 03:01	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32946	08/25/22 13:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33102	08/27/22 16:51	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	32908	08/25/22 09:38	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33163	08/28/22 14:13	CH	EET MID

Client Sample ID: BH-09 (29'-30')

Lab Sample ID: 880-18485-72

Date Collected: 08/23/22 14:40

Matrix: Solid

Date Received: 08/24/22 14:18

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	32985	08/25/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/02/22 03:22	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32946	08/25/22 13:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33102	08/27/22 17:12	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	32908	08/25/22 09:38	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33163	08/28/22 14:36	CH	EET MID

Client Sample ID: BH-07 (0'-1')

Lab Sample ID: 880-18485-73

Date Collected: 08/23/22 15:00

Matrix: Solid

Date Received: 08/24/22 14:18

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	32985	08/25/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/02/22 03:42	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32946	08/25/22 13:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33102	08/27/22 17:33	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	32908	08/25/22 09:38	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33163	08/28/22 14:44	CH	EET MID

Client Sample ID: BH-07 (2'-3')

Lab Sample ID: 880-18485-74

Date Collected: 08/23/22 15:05

Matrix: Solid

Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	32985	08/25/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/02/22 04:03	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-07 (2'-3')

Lab Sample ID: 880-18485-74

Date Collected: 08/23/22 15:05

Matrix: Solid

Date Received: 08/24/22 14:18

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			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32946	08/25/22 13:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33102	08/27/22 17:55	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	32908	08/25/22 09:38	KS	EET MID
Soluble	Analysis	300.0		10	0 mL	0 mL	33163	08/28/22 15:08	CH	EET MID

Client Sample ID: BH-07 (4'-5')

Lab Sample ID: 880-18485-75

Date Collected: 08/23/22 15:10

Matrix: Solid

Date Received: 08/24/22 14:18

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	32985	08/25/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/02/22 04:23	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32946	08/25/22 13:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33102	08/27/22 18:16	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	32908	08/25/22 09:38	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33163	08/28/22 15:16	CH	EET MID

Client Sample ID: BH-07 (6'-7')

Lab Sample ID: 880-18485-76

Date Collected: 08/23/22 15:15

Matrix: Solid

Date Received: 08/24/22 14:18

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	32985	08/25/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/02/22 04:44	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32946	08/25/22 13:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33102	08/27/22 18:37	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	32908	08/25/22 09:38	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33163	08/28/22 15:24	CH	EET MID

Client Sample ID: BH-07 (9'-10')

Lab Sample ID: 880-18485-77

Date Collected: 08/23/22 15:20

Matrix: Solid

Date Received: 08/24/22 14:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	32985	08/25/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/02/22 05:04	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32946	08/25/22 13:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33102	08/27/22 18:58	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-07 (9'-10')

Lab Sample ID: 880-18485-77

Date Collected: 08/23/22 15:20

Matrix: Solid

Date Received: 08/24/22 14:18

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	32908	08/25/22 09:38	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33163	08/28/22 15:31	CH	EET MID

Client Sample ID: BH-07 (14'-15')

Lab Sample ID: 880-18485-78

Date Collected: 08/23/22 15:25

Matrix: Solid

Date Received: 08/24/22 14:18

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	32985	08/25/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/02/22 05:24	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32946	08/25/22 13:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33102	08/27/22 19:19	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	32908	08/25/22 09:38	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33163	08/28/22 15:39	CH	EET MID

Client Sample ID: BH-07 (19'-20')

Lab Sample ID: 880-18485-79

Date Collected: 08/23/22 15:30

Matrix: Solid

Date Received: 08/24/22 14:18

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	32985	08/25/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/02/22 05:45	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32946	08/25/22 13:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33102	08/27/22 19:41	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	32908	08/25/22 09:38	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33163	08/28/22 15:47	CH	EET MID

Client Sample ID: BH-07 (24'-25')

Lab Sample ID: 880-18485-80

Date Collected: 08/23/22 15:35

Matrix: Solid

Date Received: 08/24/22 14:18

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	32985	08/25/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33501	09/02/22 06:05	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32946	08/25/22 13:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33102	08/27/22 20:02	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	32908	08/25/22 09:38	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33163	08/28/22 15:55	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Client Sample ID: BH-07 (29'-30')

Lab Sample ID: 880-18485-81

Date Collected: 08/23/22 15:40

Matrix: Solid

Date Received: 08/24/22 14:18

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	33194	08/29/22 11:04	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33162	08/30/22 05:26	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33285	08/29/22 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			33019	08/26/22 09:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32854	08/25/22 13:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	32892	08/25/22 17:57	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	32897	08/25/22 09:15	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33097	08/26/22 19:24	SMC	EET MID

Laboratory References:

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

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Accreditation/Certification Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
SDG: Lea County New Mexico

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	T104704400-22-24	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

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Method Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

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	MCAWW	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
- MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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



Sample Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-18485-1	BH-16 (0'-1')	Solid	08/22/22 13:00	08/24/22 14:18
880-18485-2	BH-16 (2'-3')	Solid	08/22/22 13:05	08/24/22 14:18
880-18485-3	BH-16 (4'-5')	Solid	08/22/22 13:10	08/24/22 14:18
880-18485-4	BH-16 (6'-7')	Solid	08/22/22 13:15	08/24/22 14:18
880-18485-5	BH-16 (9'-10')	Solid	08/22/22 13:20	08/24/22 14:18
880-18485-6	BH-16 (14'-15')	Solid	08/22/22 13:25	08/24/22 14:18
880-18485-7	BH-16 (19'-20')	Solid	08/22/22 13:30	08/24/22 14:18
880-18485-8	BH-16 (24'-25')	Solid	08/22/22 13:40	08/24/22 14:18
880-18485-9	BH-16 (29'-30')	Solid	08/22/22 13:50	08/24/22 14:18
880-18485-10	BH-15 (0'-1')	Solid	08/22/22 14:00	08/24/22 14:18
880-18485-11	BH-15 (2'-3')	Solid	08/22/22 14:05	08/24/22 14:18
880-18485-12	BH-15 (4'-5')	Solid	08/22/22 14:10	08/24/22 14:18
880-18485-13	BH-15 (6'-7')	Solid	08/22/22 14:15	08/24/22 14:18
880-18485-14	BH-15 (9'-10')	Solid	08/22/22 14:20	08/24/22 14:18
880-18485-15	BH-15 (14'-15')	Solid	08/22/22 14:25	08/24/22 14:18
880-18485-16	BH-15 (19'-20')	Solid	08/22/22 14:30	08/24/22 14:18
880-18485-17	BH-15 (24'-25')	Solid	08/22/22 14:40	08/24/22 14:18
880-18485-18	BH-15 (29'-30')	Solid	08/22/22 14:50	08/24/22 14:18
880-18485-19	BH-14 (0'-1')	Solid	08/22/22 15:00	08/24/22 14:18
880-18485-20	BH-14 (2'-3')	Solid	08/22/22 15:05	08/24/22 14:18
880-18485-21	BH-14 (4'-5')	Solid	08/22/22 15:10	08/24/22 14:18
880-18485-22	BH-14 (6'-7')	Solid	08/22/22 15:15	08/24/22 14:18
880-18485-23	BH-14 (9'-10')	Solid	08/22/22 15:20	08/24/22 14:18
880-18485-24	BH-14 (14'-15')	Solid	08/22/22 15:25	08/24/22 14:18
880-18485-25	BH-14 (19'-20')	Solid	08/22/22 15:30	08/24/22 14:18
880-18485-26	BH-14 (24'-25')	Solid	08/22/22 15:40	08/24/22 14:18
880-18485-27	BH-14 (29'-30')	Solid	08/22/22 15:50	08/24/22 14:18
880-18485-28	BH-13 (0'-1')	Solid	08/23/22 10:00	08/24/22 14:18
880-18485-29	BH-13 (2'-3')	Solid	08/23/22 10:05	08/24/22 14:18
880-18485-30	BH-13 (4'-5')	Solid	08/23/22 10:10	08/24/22 14:18
880-18485-31	BH-13 (6'-7')	Solid	08/23/22 10:15	08/24/22 14:18
880-18485-32	BH-13 (9'-10')	Solid	08/23/22 10:20	08/24/22 14:18
880-18485-33	BH-13 (14'-15')	Solid	08/23/22 10:25	08/24/22 14:18
880-18485-34	BH-13 (19'-20')	Solid	08/23/22 10:30	08/24/22 14:18
880-18485-35	BH-13 (24'-25')	Solid	08/23/22 10:35	08/24/22 14:18
880-18485-36	BH-13 (29'-30')	Solid	08/23/22 10:40	08/24/22 14:18
880-18485-37	BH-12 (0'-1')	Solid	08/23/22 11:00	08/24/22 14:18
880-18485-38	BH-12 (2'-3')	Solid	08/23/22 11:05	08/24/22 14:18
880-18485-39	BH-12 (4'-5')	Solid	08/23/22 11:10	08/24/22 14:18
880-18485-40	BH-12 (6'-7')	Solid	08/23/22 11:15	08/24/22 14:18
880-18485-41	BH-12 (9'-10')	Solid	08/23/22 11:20	08/24/22 14:18
880-18485-42	BH-12 (14'-15')	Solid	08/23/22 11:25	08/24/22 14:18
880-18485-43	BH-12 (19'-20')	Solid	08/23/22 11:30	08/24/22 14:18
880-18485-44	BH-12 (24'-25')	Solid	08/23/22 11:35	08/24/22 14:18
880-18485-45	BH-12 (29'-30')	Solid	08/23/22 11:40	08/24/22 14:18
880-18485-46	BH-11 (0'-1')	Solid	08/23/22 12:00	08/24/22 14:18
880-18485-47	BH-11 (2'-3')	Solid	08/23/22 12:05	08/24/22 14:18
880-18485-48	BH-11 (4'-5')	Solid	08/23/22 12:10	08/24/22 14:18
880-18485-49	BH-11 (6'-7')	Solid	08/23/22 12:15	08/24/22 14:18
880-18485-50	BH-11 (9'-10')	Solid	08/23/22 12:20	08/24/22 14:18
880-18485-51	BH-11 (14'-15')	Solid	08/23/22 12:25	08/24/22 14:18
880-18485-52	BH-11 (19'-20')	Solid	08/23/22 12:30	08/24/22 14:18
880-18485-53	BH-11 (24'-25')	Solid	08/23/22 12:35	08/24/22 14:18
880-18485-54	BH-11 (29'-30')	Solid	08/23/22 12:40	08/24/22 14:18

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Sample Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18485-1
 SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-18485-55	BH-10 (0'-1')	Solid	08/23/22 13:00	08/24/22 14:18
880-18485-56	BH-10 (2'-3')	Solid	08/23/22 13:05	08/24/22 14:18
880-18485-57	BH-10 (4'-5')	Solid	08/23/22 13:10	08/24/22 14:18
880-18485-58	BH-10 (6'-7')	Solid	08/23/22 13:15	08/24/22 14:18
880-18485-59	BH-10 (9'-10')	Solid	08/23/22 13:20	08/24/22 14:18
880-18485-60	BH-10 (14'-15')	Solid	08/23/22 13:25	08/24/22 14:18
880-18485-61	BH-10 (19'-20')	Solid	08/23/22 13:30	08/24/22 14:18
880-18485-62	BH-10 (24'-25')	Solid	08/23/22 13:35	08/24/22 14:18
880-18485-63	BH-10 (29'-30')	Solid	08/23/22 13:40	08/24/22 14:18
880-18485-64	BH-09 (0'-1')	Solid	08/23/22 14:00	08/24/22 14:18
880-18485-65	BH-09 (2'-3')	Solid	08/23/22 14:05	08/24/22 14:18
880-18485-66	BH-09 (4'-5')	Solid	08/23/22 14:10	08/24/22 14:18
880-18485-67	BH-09 (6'-7')	Solid	08/23/22 14:15	08/24/22 14:18
880-18485-68	BH-09 (9'-10')	Solid	08/23/22 14:20	08/24/22 14:18
880-18485-69	BH-09 (14'-15')	Solid	08/23/22 14:25	08/24/22 14:18
880-18485-70	BH-09 (19'-20')	Solid	08/23/22 14:30	08/24/22 14:18
880-18485-71	BH-09 (24'-25')	Solid	08/23/22 14:35	08/24/22 14:18
880-18485-72	BH-09 (29'-30')	Solid	08/23/22 14:40	08/24/22 14:18
880-18485-73	BH-07 (0'-1')	Solid	08/23/22 15:00	08/24/22 14:18
880-18485-74	BH-07 (2'-3')	Solid	08/23/22 15:05	08/24/22 14:18
880-18485-75	BH-07 (4'-5')	Solid	08/23/22 15:10	08/24/22 14:18
880-18485-76	BH-07 (6'-7')	Solid	08/23/22 15:15	08/24/22 14:18
880-18485-77	BH-07 (9'-10')	Solid	08/23/22 15:20	08/24/22 14:18
880-18485-78	BH-07 (14'-15')	Solid	08/23/22 15:25	08/24/22 14:18
880-18485-79	BH-07 (19'-20')	Solid	08/23/22 15:30	08/24/22 14:18
880-18485-80	BH-07 (24'-25')	Solid	08/23/22 15:35	08/24/22 14:18
880-18485-81	BH-07 (29'-30')	Solid	08/23/22 15:40	08/24/22 14:18

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Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

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



Page 1 of 9
18485
9/2/2022

Client Name: Solaris Site Manager: Clair Gonzales

Project Name: Bronco Water Release Revelation Pond Contact Info: Email Clair.Gonzales@tetratech.com
Phone (432) 260-8634

Project Location: Lea County, New Mexico Project #: 212C-MD-02820

Invoice to: Accounts Payable 901 West Wall Street Suite 100 Midland Texas 79701

Receiving Laboratory: Eurofins Xenco Sampler Signature: Joe Tyler

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION		DATE	TIME	MATRIX	PRESERVATIVE METHOD					# CONTAINERS	FILTERED (Y/N)
	YEAR	2022				WATER	SOIL	HCL	HNO ₃	ICE		
	BH-16 (0-1')		8/22	1300	X					X	1	N
	BH-16 (2-3)		8/22	1305	X					X	1	N
	BH-16 (4-5)		8/22	1310	X					X	1	N
	BH-16 (6-7)		8/22	1315	X					X	1	N
	BH-16 (9-10)		8/22	1320	X					X	1	N
	BH-16 (14-15)		8/22	1325	X					X	1	N
	BH-16 (19-20)		8/22	1330	X					X	1	N
	BH-16 (24-25)		8/22	1340	X					X	1	N
	BH-16 (29-30)		8/22	1350	X					X	1	N
	BH-15 (0-1)		8/22	1400	X					X	1	N

Relinquished by: *Haley Binkley* Date: *08/24/22* Time: *14:12*

Relinquished by: _____ Date: _____ Time: _____

Received by: *WAVE* Date: *8/24/22* Time: *14:12*

Received by: _____ Date: _____ Time: _____

ORIGINAL COPY

ANALYSIS REQUEST
(Circle or Specify Method No.)

<input checked="" type="checkbox"/>	BTEX 8021B
<input checked="" type="checkbox"/>	BTEX 8260B
<input checked="" type="checkbox"/>	TPH TX1005 (Ext to C35)
<input checked="" type="checkbox"/>	TPH 8015M (GRO - DRO - ORO - MRO)
<input checked="" type="checkbox"/>	PAH 8270C
<input checked="" type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg
<input checked="" type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input checked="" type="checkbox"/>	TCLP Volatiles
<input checked="" type="checkbox"/>	TCLP Semi Volatiles
<input checked="" type="checkbox"/>	RCI
<input checked="" type="checkbox"/>	GC/MS Vol 8260B / 624
<input checked="" type="checkbox"/>	GC/MS Semi Vol 8270C/625
<input checked="" type="checkbox"/>	PCB s 8082 / 608
<input checked="" type="checkbox"/>	NORM
<input checked="" type="checkbox"/>	PLM (Asbestos)
<input checked="" type="checkbox"/>	Chloride 300 0
<input checked="" type="checkbox"/>	Chloride Sulfate TDS
<input checked="" type="checkbox"/>	General Water Chemistry (see attached list)
<input checked="" type="checkbox"/>	Anion/Cation Balance
<input checked="" type="checkbox"/>	TPH 8015R

LAB USE ONLY

Sample Temperature: *5.458*

REMARKS:

Standard

RUSH 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

Analysis Request of Chain of Custody Record

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Tetra Tech, Inc.

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

18495

Client Name: Solaris Site Manager: Clair Gonzales

Project Name: Bronco Water Release Revelation Pond Contact Info: Email Clair.Gonzales@tetratech.com
Phone (432) 260-8634

Project Location: Lea County New Mexico Project #: 212C-MD-02820

Invoice to: Accounts Payable 901 West Wall Street Suite 100 Midland Texas 79701

Receiving Laboratory: Eurofins Xenco Sampler Signature: Joe Tyler

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION		SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	
			DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	NONE			
													YEAR 2022
	BH-15 (2-3)		8/22	1405	X		X					1	N
	BH-15 (4-5)		8/22	1410	X		X					1	N
	BH-15 (6-7)		8/22	1415	X		X					1	N
	BH-15 (9-10)		8/22	1420	X		X					1	N
	BH-15 (14-15)		8/22	1425	X		X					1	N
	BH-15 (19-20)		8/22	1430	X		X					1	N
	BH-15 (24-25)		8/22	1440	X		X					1	N
	BH-15 (29-30)		8/22	1450	X		X					1	N
	BH-14 (0-1)		8/22	1500	X		X					1	N
	BH-14 (2-3)		8/22	1505	X		X					1	N

Relinquished by: *Paula Biribery* Date: *08/24/22* Time: _____
 Received by: *[Signature]* Date: *8/24/22* Time: *14:12*

ANALYSIS REQUEST
(Circle or Specify Method No.)

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

LAB USE ONLY	REMARKS:
<input type="checkbox"/> Standard	
<input checked="" type="checkbox"/> RUSH 72 hr	
<input type="checkbox"/> Rush Charges Authorized	
<input type="checkbox"/> Special Report Limits or TRRP Report	

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

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Tetra Tech, Inc.

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

18495

Client Name: Solaris **Site Manager:** Clair Gonzales

Project Name: Bronco Water Release Revelation Pond **Contact Info:** Email Clair.Gonzales@tetratech.com
Phone (432) 260-8634

Project Location: Lea County, New Mexico **Project #:** 212C-MD-02820

Invoice to: Accounts Payable
901 West Wall Street, Suite 100 Midland, Texas 79701

Receiving Laboratory: Eurofins Xenco **Sampler Signature:** Joe Tyler

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION		SAMPLING		MATRIX					PRESERVATIVE METHOD					# CONTAINERS	FILTERED (Y/N)
			DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	NONE						
	BH-14 (4-5)		8/22	1510	X					X					1	N
	BH-14 (6-7)		8/22	1515	X					X					1	N
	BH-14 (9-10)		8/22	1520	X					X					1	N
	BH-14 (14-15)		8/22	1525	X					X					1	N
	BH-14 (19-20)		8/22	1530	X					X					1	N
	BH-14 (24-25)		8/22	1540	X					X					1	N
	BH-14 (29-30)		8/22	1550	X					X					1	N
	BH-13 (0-1)		8/23	1000	X					X					1	N
	BH-13 (2-3)		8/23	1005	X					X					1	N
	BH-13 (4-5)		8/23	1010	X					X					1	N

Relinquished by: *Haley Binkley* **Date:** *08/22/22* **Time:** *05:22*

Received by: *WAVE* **Date:** *8/22/22* **Time:** *14:18*

Relinquished by: _____ **Date:** _____ **Time:** _____

Received by: _____ **Date:** _____ **Time:** _____

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ANALYSIS REQUEST
(Circle or Specify Method No.)

<input checked="" type="checkbox"/>	BTEX 8021B
<input checked="" type="checkbox"/>	BTEX 8260B
<input checked="" type="checkbox"/>	TPH TX1005 (Ext to C35)
<input checked="" type="checkbox"/>	TPH 8015M (GRO - DRO - ORO - MRO)
<input checked="" type="checkbox"/>	PAH 8270C
<input checked="" type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg
<input checked="" type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input checked="" type="checkbox"/>	TCLP Volatiles
<input checked="" type="checkbox"/>	TCLP Semi Volatiles
<input checked="" type="checkbox"/>	RCI
<input checked="" type="checkbox"/>	GC/MS Vol 8260B / 624
<input checked="" type="checkbox"/>	GC/MS Semi Vol 8270C/625
<input checked="" type="checkbox"/>	PCBs 8082 / 608
<input checked="" type="checkbox"/>	NORM
<input checked="" type="checkbox"/>	PLM (Asbestos)
<input checked="" type="checkbox"/>	Chloride 300 0
<input checked="" type="checkbox"/>	Chloride Sulfate TDS
<input checked="" type="checkbox"/>	General Water Chemistry (see attached list)
<input checked="" type="checkbox"/>	Anion/Cation Balance
<input checked="" type="checkbox"/>	TPH 8015R

LAB USE ONLY

Sample Temperature _____

REMARKS:

Standard

RUSH 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

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Tetra Tech, Inc.

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

10105

Client Name: Solaris **Site Manager:** Clair Gonzales

Project Name: Bronco Water Release Revelation Pond **Contact Info:** Email Clair Gonzales@tetratech.com
 Phone (432) 260-9634

Project Location: Lea County New Mexico **Project #:** 212C-MD-02820

Invoice to: Accounts Payable
 901 West Wall Street Suite 100 Midland, Texas 79701

Receiving Laboratory: Eurofins Xenco **Sampler Signature:** Joe Tyler

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION		SAMPLING		MATRIX					PRESERVATIVE METHOD					# CONTAINERS	FILTERED (Y/N)
			DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	NONE	1	2	3	4		
	BH-13 (6-7')		8/23	1015	X					X					1	N
	BH-13 (9-10')		8/23	1020	X					X					1	N
	BH-13 (14-15')		8/23	1025	X					X					1	N
	BH-13 (19-20')		8/23	1030	X					X					1	N
	BH-13 (24-25')		8/23	1035	X					X					1	N
	BH-13 (29-30')		8/23	1040	X					X					1	N
	BH-12 (0-1')		8/23	1100	X					X					1	N
	BH-12 (2-3')		8/23	1105	X					X					1	N
	BH 12 (4-5')		8/23	1110	X					X					1	N
	BH-12 (6-7')		8/23	1115	X					X					1	N

Relinquished by: *Heider Gumbel* Date: *08/24/22* Time: *14:18*
 Received by: *JA* Date: *08/24/22* Time: *14:18*

Relinquished by: _____ Date: _____ Time: _____
 Received by: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____
 Received by: _____ Date: _____ Time: _____

ANALYSIS REQUEST (Circle or Specify Method No.)

BTEX 8021B BTEX 8260B

TPH TX1005 (Ext to C35)

TPH 8015M (GRO - DRO - ORO - MRO)

PAH 8270C

Total Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol 8260B / 624

GC/MS Semi Vol 8270C/625

PCB s 8082 / 608

NORM

PLM (Asbestos)

Chloride 300 0

Chloride Sulfate TDS

General Water Chemistry (see attached list)

Anion/Cation Balance

TPH 8015R

LAB USE ONLY

Sample Temperature: _____

REMARKS: Standard RUSH 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

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Tetra Tech, Inc.

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

19485

Client Name: Solaris

Site Manager: Clair Gonzales

Project Name: Bronco Water Release Revelation Pond

Contact Info: Email Clair Gonzales@tetratech.com
Phone (432) 260-8634

Project #: 212C-MD-02820

Project Location: Lea County, New Mexico

Invoice to: Accounts Payable
901 West Wall Street, Suite 100 Midland Texas 79701

Receiving Laboratory: Eurofins Xenco

Sampler Signature: Joe Tyler

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION		SAMPLING		MATRIX					PRESERVATIVE METHOD					# CONTAINERS	FILTERED (Y/N)
			YEAR 2022	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	NONE					
			BH-12 (9-10)	8/23	1120	X							X			
BH-12 (14-15)	8/23	1125	X							X					1	N
BH 12 (19-20')	8/23	1130	X							X					1	N
BH-12 (24-25)	8/23	1135	X							X					1	N
BH-12 (29-30')	8/23	1140	X							X					1	N
BH-11 (0-1)	8/23	1200	X							X					1	N
BH-11 (2-3')	8/23	1205	X							X					1	N
BH-11 (4-5')	8/23	1210	X							X					1	N
BH-11 (6-7')	8/23	1215	X							X					1	N
BH-11 (9-10)	8/23	1220	X							X					1	N

Relinquished by: *Healey Binkley* Date: *08/24/22* Time: _____

Received by: *WAW* Date: *8/24/22* Time: _____

Relinquished by: _____ Date: _____ Time: _____

Received by: _____ Date: _____ Time: _____

ORIGINAL COPY

LAB USE ONLY

REMARKS:

Standard

RUSH 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

ANALYSIS REQUEST

(Circle or Specify Method No.)

BTEX 8021B BTEX 8260B

TPH TX1005 (Ext to C35)

TPH 8015M (GRO - DRO - ORO - MRO)

PAH 8270C

Total Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol 8260B / 624

GC/MS Semi Vol 8270C/625

PCBs 8082 / 608

NORM

PLM (Asbestos)

Chloride 300 0

Chloride Sulfate TDS

General Water Chemistry (see attached list)

Anion/Cation Balance

TPH 8015R

Analysis Request of Chain of Custody Record

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- 11
- 12
- 13
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Tetra Tech, Inc.

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

104105

Client Name: Solaris

Site Manager: Clair Gonzales

Project #: 212C-MD-02820

Project Name: Bronco Water Release Revelation Pond

Contact Info: Email Clair Gonzales@tetratech.com
Phone (432) 260-8634

Project Location: Lea County, New Mexico

Invoice to: Accounts Payable
901 West Wall Street Suite 100 Midland, Texas 79701

Receiving Laboratory: Eurofins Xenco

Sampler Signature: Joe Tyler

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		DATE	TIME	MATRIX					PRESERVATIVE METHOD					# CONTAINERS	FILTERED (Y/N)
		YEAR 2022				WATER	SOIL	HCL	HNO ₃	ICE	NONE						
	BH-11 (14-15)	8/23		8/23	1225	X	X				X					1	N
	BH-11 (19-20)	8/23		8/23	1230	X	X				X					1	N
	BH-11 (24-25)	8/23		8/23	1235	X	X				X					1	N
	BH-11 (29-30)	8/23		8/23	1240	X	X				X					1	N
	BH-10 (0-1)	8/23		8/23	1300	X	X				X					1	N
	BH-10 (2-3)	8/23		8/23	1305	X	X				X					1	N
	BH-10 (4-5)	8/23		8/23	1310	X	X				X					1	N
	BH-10 (6-7)	8/23		8/23	1315	X	X				X					1	N
	BH-10 (9-10)	8/23		8/23	1320	X	X				X					1	N
	BH-10 (14-15)	8/23		8/23	1325	X	X				X					1	N

Relinquished by: *Haley Bunby* Date: *08/24/22* Time: _____
 Received by: *WAW* Date: _____ Time: _____
 Relinquished by: _____ Date: _____ Time: _____
 Received by: _____ Date: _____ Time: _____

ORIGINAL COPY

ANALYSIS REQUEST
(Circle or Specify Method No.)

BTEX 8021B BTEX 8260B

TPH TX1005 (Ext to C35)

TPH 8015M (GRO DRO - ORO - MRO)

PAH 8270C

Total Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol 8260B / 624

GC/MS Semi Vol 8270C/625

PCB's 8082 / 608

NORM

PLM (Asbestos)

Chloride 300 0

Chloride Sulfate TDS

General Water Chemistry (see attached list)

Anion/Cation Balance

TPH 8015R

LAB USE ONLY

REMARKS:
 Standard
 RUSH 72 hr
 Rush Charges Authorized
 Special Report Limits or TRRP Report

Sample Temperature _____

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____



Tetra Tech, Inc.

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

18485

Client Name: Solaris

Site Manager: Clair Gonzales

Clair Gonzales

Project Name: Bronco Water Release Revelation Pond

Contact Info:

Email Clair.Gonzales@tetratech.com
Phone (432) 260-8634

Project Location: Lea County New Mexico

Project #:

212C-MD-02820

Invoice to: Accounts Payable
901 West Wall Street, Suite 100 Midland Texas 79701

Receiving Laboratory: Eurofins Xenco

Sampler Signature: Joe Tyler

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX	PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	
		YEAR 2022	DATE		TIME	WATER	SOIL	HCL			HNO ₃
			BH-10 (19-20)		8/23	1330	X				
	BH-10 (24-25)		8/23	1335	X					1	N
	BH-10 (29-30)		8/23	1340	X					1	N
	BH-09 (0-1)		8/23	1400	X					1	N
	BH-09 (2-3)		8/23	1405	X					1	N
	BH-09 (4-5)		8/23	1410	X					1	N
	BH-09 (6-7)		8/23	1415	X					1	N
	BH-09 (9-10)		8/23	1420	X					1	N
	BH-09 (14-15)		8/23	1425	X					1	N
	BH-09 (19-20)		8/23	1430	X					1	N

Relinquished by: *Haley Sinkler* Date: *8/23/22* Time: *14:18*

Received by: *MAW* Date: *8/24/22* Time: *14:18*

Relinquished by: _____ Date: _____ Time: _____

Received by: _____ Date: _____ Time: _____

ANALYSIS REQUEST
(Circle or Specify Method No.)

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

LAB USE ONLY

REMARKS:

Standard

RUSH 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

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Tetra Tech, Inc.

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

18485

Client Name: Solaris Site Manager: Clair Gonzales

Project Name: Bronco Water Release Revelation Pond Contact Info: Email Clair.Gonzales@tetratech.com
Phone (432) 260-8634

Project Location: Lea County New Mexico Project #: 212C-MD-02820

Invoice to: Accounts Payable
901 West Wall Street Suite 100 Midland, Texas 79701

Receiving Laboratory: Eurofins Xerco Sampler Signature: Joe Tyler

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION		SAMPLING		MATRIX		PRESERVATIVE METHOD					# CONTAINERS	FILTERED (Y/N)	LAB USE ONLY
			YEAR 2022	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	NONE			
	BH-09	(24-25)	8/23	1435	X		X					1	N	BTEX 8260B
	BH-09	(29-30)	8/23	1440	X		X					1	N	TPH TX1005 (Ext to C35)
	BH-07	(0-1)	8/23	1500	X		X					1	N	TPH 8015M (GRO - DRO ORO - MRO)
	BH-07	(2-3)	8/23	1505	X		X					1	N	PAH 8270C
	BH-07	(4-5)	8/23	1510	X		X					1	N	Total Metals Ag As Ba Cd Cr Pb Se Hg
	BH-07	(6-7)	8/23	1515	X		X					1	N	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
	BH-07	(9-10)	8/23	1520	X		X					1	N	TCLP Volatiles
	BH-07	(14-15)	8/23	1525	X		X					1	N	TCLP Semi Volatiles
	BH-07	(19-20)	8/23	1530	X		X					1	N	RCI
	BH-07	(24-25)	8/23	1535	X		X					1	N	GC/MS Vol 8260B / 624
														GC/MS Semi Vol 8270C/625
														PCBs 8082 / 608
														NORM
														PLM (Asbestos)
														Chloride 300 0
														Chloride Sulfate TDS
														General Water Chemistry (see attached list)
														Anion/Cation Balance
														TPH 8015R

Relinquished by: *Harold Binbley* Date: *08/23/22* Time: *14:18*
 Received by: *WAM* Date: *01/24/23* Time: *14:18*

LAB USE ONLY
 Sample Temperature
 REMARKS:
 Standard
 RUSH 72 hr
 Rush Charges Authorized
 Special Report Limits or TRRP Report

ORIGINAL COPY

(Circle or Specify Method No.)

Analysis Request of Chain of Custody Record

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Tetra Tech, Inc.

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

Loc: 880
18485
 Page 9 of 9

18485

9/2/2022

Client Name: Solars Site Manager: Clair Gonzales

Project Name: Bronco Water Release Revelation Pond Contact Info: Email Clair.Gonzales@tetratech.com
 Phone (432) 260-8634

Project Location: Lea County New Mexico Project #: 212C-MD-02820

Invoice to: Accounts Payable
 901 West Wall Street Suite 100 Midland, Texas 79701

Receiving Laboratory: Eurofins Xenco Sampler Signature: Joe Tyler

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		DATE	TIME	MATRIX	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)
		YEAR 2022							
				8/23	1540	WATER		1	N
	BH-07 (29-30)					SOIL			
						HCL			
						HNO ₃			
						ICE			
						NONE			

Relinquished by: *Heidy Bobbey* Date: *8/24/22* Time: Received by: *WMC* Date: *9/2/22* Time: *1418*

Relinquished by: Date: Time: Received by: Date: Time:

ORIGINAL COPY

ANALYSIS REQUEST
 (Circle or Specify Method No.)

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

LAB USE ONLY
 Sample Temperature

REMARKS:
 Standard
 RUSH 72 hr
 Rush Charges Authorized
 Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-18485-1
SDG Number: Lea County New Mexico

Login Number: 18485
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
America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-18561-1

Laboratory Sample Delivery Group: Lea County, New Mexico
Client Project/Site: Bronco Water Release Revelation Pond

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

Attn: Clair Gonzales

Authorized for release by:
9/6/2022 1:23:54 PM

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

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

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

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

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Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Laboratory Job ID: 880-18561-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

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)

Definitions/Glossary

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
SDG: Lea County, New Mexico

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

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

Case Narrative

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
SDG: Lea County, New Mexico

Job ID: 880-18561-1

Laboratory: Eurofins Midland**Narrative****Job Narrative
880-18561-1****Receipt**

The samples were received on 8/26/2022 11:31 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 0.8°C

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: BH-02 ((2'-3') (880-18561-34). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-33067 and analytical batch 880-33694 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH-05 (2'-3') (880-18561-11), BH-04 (0'-1') (880-18561-19), (LCS 880-33068/2-A) and (LCSD 880-33068/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH-04 (4'-5') (880-18561-21), (LCS 880-33070/2-A), (LCSD 880-33070/3-A), (MB 880-33070/1-A) and (880-18561-A-21-E MS). 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: BH-02 (6'-7') (880-18561-36) and BH-02 (9'-10') (880-18561-37). 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: (LCS 880-33071/2-A) and (LCSD 880-33071/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-33070 and analytical batch 880-33133 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-33062 and 880-33062 and analytical batch 880-33255 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: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-06 (0'-1')

Lab Sample ID: 880-18561-1

Date Collected: 08/24/22 09:30

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:40	09/03/22 08:06	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:40	09/03/22 08:06	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:40	09/03/22 08:06	1
m-Xylene & p-Xylene	<0.00396	U **	0.00396		mg/Kg		08/26/22 13:40	09/03/22 08:06	1
o-Xylene	<0.00198	U **	0.00198		mg/Kg		08/26/22 13:40	09/03/22 08:06	1
Xylenes, Total	<0.00396	U **	0.00396		mg/Kg		08/26/22 13:40	09/03/22 08:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	08/26/22 13:40	09/03/22 08:06	1
1,4-Difluorobenzene (Surr)	94		70 - 130	08/26/22 13:40	09/03/22 08:06	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/26/22 14:12	08/28/22 12:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/26/22 14:12	08/28/22 12:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/26/22 14:12	08/28/22 12:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	08/26/22 14:12	08/28/22 12:18	1
o-Terphenyl	97		70 - 130	08/26/22 14:12	08/28/22 12:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5350	F1	50.1		mg/Kg			08/30/22 09:13	10

Client Sample ID: BH-06 (2'-3')

Lab Sample ID: 880-18561-2

Date Collected: 08/24/22 09:35

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:40	09/03/22 08:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:40	09/03/22 08:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:40	09/03/22 08:27	1
m-Xylene & p-Xylene	<0.00402	U **	0.00402		mg/Kg		08/26/22 13:40	09/03/22 08:27	1
o-Xylene	<0.00201	U **	0.00201		mg/Kg		08/26/22 13:40	09/03/22 08:27	1
Xylenes, Total	<0.00402	U **	0.00402		mg/Kg		08/26/22 13:40	09/03/22 08:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	08/26/22 13:40	09/03/22 08:27	1
1,4-Difluorobenzene (Surr)	93		70 - 130	08/26/22 13:40	09/03/22 08:27	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-06 (2'-3')

Lab Sample ID: 880-18561-2

Date Collected: 08/24/22 09:35

Matrix: Solid

Date Received: 08/26/22 11:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/26/22 14:12	08/28/22 13:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/26/22 14:12	08/28/22 13:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/26/22 14:12	08/28/22 13:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				08/26/22 14:12	08/28/22 13:24	1
o-Terphenyl	108		70 - 130				08/26/22 14:12	08/28/22 13:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4890		49.8		mg/Kg			08/30/22 09:41	10

Client Sample ID: BH-06 (4'-5')

Lab Sample ID: 880-18561-3

Date Collected: 08/24/22 09:40

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 08:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 08:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 08:47	1
m-Xylene & p-Xylene	<0.00401	U **	0.00401		mg/Kg		08/26/22 13:40	09/03/22 08:47	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/26/22 13:40	09/03/22 08:47	1
Xylenes, Total	<0.00401	U **	0.00401		mg/Kg		08/26/22 13:40	09/03/22 08:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				08/26/22 13:40	09/03/22 08:47	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/26/22 13:40	09/03/22 08:47	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 13:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 13:46	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-06 (4'-5')

Lab Sample ID: 880-18561-3

Date Collected: 08/24/22 09:40

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 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		08/26/22 14:12	08/28/22 13:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				08/26/22 14:12	08/28/22 13:46	1
o-Terphenyl	94		70 - 130				08/26/22 14:12	08/28/22 13:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	360		5.00		mg/Kg			08/30/22 09:50	1

Client Sample ID: BH-06 (6'-7')

Lab Sample ID: 880-18561-4

Date Collected: 08/24/22 09:45

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:40	09/03/22 09:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:40	09/03/22 09:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:40	09/03/22 09:08	1
m-Xylene & p-Xylene	<0.00398	U **	0.00398		mg/Kg		08/26/22 13:40	09/03/22 09:08	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		08/26/22 13:40	09/03/22 09:08	1
Xylenes, Total	<0.00398	U **	0.00398		mg/Kg		08/26/22 13:40	09/03/22 09:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				08/26/22 13:40	09/03/22 09:08	1
1,4-Difluorobenzene (Surr)	89		70 - 130				08/26/22 13:40	09/03/22 09:08	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/26/22 14:12	08/28/22 14:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/26/22 14:12	08/28/22 14:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/26/22 14:12	08/28/22 14:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				08/26/22 14:12	08/28/22 14:08	1
o-Terphenyl	101		70 - 130				08/26/22 14:12	08/28/22 14:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	386		4.99		mg/Kg			08/30/22 09:59	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-06 (9'-10')

Lab Sample ID: 880-18561-5

Date Collected: 08/24/22 09:50

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:40	09/03/22 09:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:40	09/03/22 09:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:40	09/03/22 09:28	1
m-Xylene & p-Xylene	<0.00398	U **	0.00398		mg/Kg		08/26/22 13:40	09/03/22 09:28	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		08/26/22 13:40	09/03/22 09:28	1
Xylenes, Total	<0.00398	U **	0.00398		mg/Kg		08/26/22 13:40	09/03/22 09:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	08/26/22 13:40	09/03/22 09:28	1
1,4-Difluorobenzene (Surr)	93		70 - 130	08/26/22 13:40	09/03/22 09:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 14:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 14:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 14:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	08/26/22 14:12	08/28/22 14:29	1
o-Terphenyl	106		70 - 130	08/26/22 14:12	08/28/22 14:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	267		5.01		mg/Kg			08/30/22 10:08	1

Client Sample ID: BH-06 (14'-15')

Lab Sample ID: 880-18561-6

Date Collected: 08/24/22 09:55

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 09:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 09:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 09:49	1
m-Xylene & p-Xylene	<0.00400	U **	0.00400		mg/Kg		08/26/22 13:40	09/03/22 09:49	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/26/22 13:40	09/03/22 09:49	1
Xylenes, Total	<0.00400	U **	0.00400		mg/Kg		08/26/22 13:40	09/03/22 09:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	08/26/22 13:40	09/03/22 09:49	1
1,4-Difluorobenzene (Surr)	92		70 - 130	08/26/22 13:40	09/03/22 09:49	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-06 (14'-15')

Lab Sample ID: 880-18561-6

Date Collected: 08/24/22 09:55

Matrix: Solid

Date Received: 08/26/22 11:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/26/22 14:12	08/28/22 14:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/26/22 14:12	08/28/22 14:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/26/22 14:12	08/28/22 14:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				08/26/22 14:12	08/28/22 14:51	1
o-Terphenyl	102		70 - 130				08/26/22 14:12	08/28/22 14:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	187		5.01		mg/Kg			08/30/22 10:36	1

Client Sample ID: BH-06 (19'-20')

Lab Sample ID: 880-18561-7

Date Collected: 08/24/22 10:00

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:40	09/03/22 10:09	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:40	09/03/22 10:09	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:40	09/03/22 10:09	1
m-Xylene & p-Xylene	<0.00397	U **	0.00397		mg/Kg		08/26/22 13:40	09/03/22 10:09	1
o-Xylene	<0.00198	U **	0.00198		mg/Kg		08/26/22 13:40	09/03/22 10:09	1
Xylenes, Total	<0.00397	U **	0.00397		mg/Kg		08/26/22 13:40	09/03/22 10:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				08/26/22 13:40	09/03/22 10:09	1
1,4-Difluorobenzene (Surr)	82		70 - 130				08/26/22 13:40	09/03/22 10:09	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 15:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 15:13	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-06 (19'-20')

Lab Sample ID: 880-18561-7

Date Collected: 08/24/22 10:00

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 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		08/26/22 14:12	08/28/22 15:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				08/26/22 14:12	08/28/22 15:13	1
o-Terphenyl	112		70 - 130				08/26/22 14:12	08/28/22 15:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	139		4.97		mg/Kg			08/30/22 10:45	1

Client Sample ID: BH-06 (24'-25')

Lab Sample ID: 880-18561-8

Date Collected: 08/24/22 10:05

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 10:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 10:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 10:30	1
m-Xylene & p-Xylene	<0.00399	U **	0.00399		mg/Kg		08/26/22 13:40	09/03/22 10:30	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/26/22 13:40	09/03/22 10:30	1
Xylenes, Total	<0.00399	U **	0.00399		mg/Kg		08/26/22 13:40	09/03/22 10:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				08/26/22 13:40	09/03/22 10:30	1
1,4-Difluorobenzene (Surr)	90		70 - 130				08/26/22 13:40	09/03/22 10:30	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/26/22 14:12	08/28/22 15:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/26/22 14:12	08/28/22 15:35	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/26/22 14:12	08/28/22 15:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				08/26/22 14:12	08/28/22 15:35	1
o-Terphenyl	96		70 - 130				08/26/22 14:12	08/28/22 15:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.5		4.96		mg/Kg			08/30/22 10:54	1

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Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
SDG: Lea County, New Mexico

Client Sample ID: BH-06 (29'-30')

Lab Sample ID: 880-18561-9

Date Collected: 08/24/22 10:10

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 10:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 10:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 10:50	1
m-Xylene & p-Xylene	<0.00400	U **	0.00400		mg/Kg		08/26/22 13:40	09/03/22 10:50	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/26/22 13:40	09/03/22 10:50	1
Xylenes, Total	<0.00400	U **	0.00400		mg/Kg		08/26/22 13:40	09/03/22 10:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	08/26/22 13:40	09/03/22 10:50	1
1,4-Difluorobenzene (Surr)	90		70 - 130	08/26/22 13:40	09/03/22 10:50	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 15:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 15:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 15:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130	08/26/22 14:12	08/28/22 15:56	1
o-Terphenyl	112		70 - 130	08/26/22 14:12	08/28/22 15:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.5		5.02		mg/Kg			08/30/22 11:03	1

Client Sample ID: BH-05 (0'-1')

Lab Sample ID: 880-18561-10

Date Collected: 08/24/22 10:20

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 11:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 11:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 11:11	1
m-Xylene & p-Xylene	<0.00401	U **	0.00401		mg/Kg		08/26/22 13:40	09/03/22 11:11	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/26/22 13:40	09/03/22 11:11	1
Xylenes, Total	<0.00401	U **	0.00401		mg/Kg		08/26/22 13:40	09/03/22 11:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	08/26/22 13:40	09/03/22 11:11	1
1,4-Difluorobenzene (Surr)	91		70 - 130	08/26/22 13:40	09/03/22 11:11	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-05 (0'-1')

Lab Sample ID: 880-18561-10

Date Collected: 08/24/22 10:20

Matrix: Solid

Date Received: 08/26/22 11:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/26/22 14:12	08/28/22 16:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/26/22 14:12	08/28/22 16:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/26/22 14:12	08/28/22 16:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				08/26/22 14:12	08/28/22 16:18	1
o-Terphenyl	103		70 - 130				08/26/22 14:12	08/28/22 16:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7430		50.3		mg/Kg			08/30/22 11:13	10

Client Sample ID: BH-05 (2'-3')

Lab Sample ID: 880-18561-11

Date Collected: 08/24/22 10:25

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:40	09/03/22 12:34	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:40	09/03/22 12:34	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:40	09/03/22 12:34	1
m-Xylene & p-Xylene	<0.00396	U **	0.00396		mg/Kg		08/26/22 13:40	09/03/22 12:34	1
o-Xylene	<0.00198	U **	0.00198		mg/Kg		08/26/22 13:40	09/03/22 12:34	1
Xylenes, Total	<0.00396	U **	0.00396		mg/Kg		08/26/22 13:40	09/03/22 12:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				08/26/22 13:40	09/03/22 12:34	1
1,4-Difluorobenzene (Surr)	87		70 - 130				08/26/22 13:40	09/03/22 12:34	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/26/22 14:12	08/28/22 17:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/26/22 14:12	08/28/22 17:02	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-05 (2'-3')

Lab Sample ID: 880-18561-11

Date Collected: 08/24/22 10:25

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 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		08/26/22 14:12	08/28/22 17:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				08/26/22 14:12	08/28/22 17:02	1
o-Terphenyl	123		70 - 130				08/26/22 14:12	08/28/22 17:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6090	F1	50.1		mg/Kg			08/30/22 11:22	10

Client Sample ID: BH-05 (4'-5')

Lab Sample ID: 880-18561-12

Date Collected: 08/24/22 10:30

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:40	09/03/22 12:55	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:40	09/03/22 12:55	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:40	09/03/22 12:55	1
m-Xylene & p-Xylene	<0.00403	U**	0.00403		mg/Kg		08/26/22 13:40	09/03/22 12:55	1
o-Xylene	<0.00202	U**	0.00202		mg/Kg		08/26/22 13:40	09/03/22 12:55	1
Xylenes, Total	<0.00403	U**	0.00403		mg/Kg		08/26/22 13:40	09/03/22 12:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				08/26/22 13:40	09/03/22 12:55	1
1,4-Difluorobenzene (Surr)	94		70 - 130				08/26/22 13:40	09/03/22 12:55	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 17:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 17:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 17:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				08/26/22 14:12	08/28/22 17:23	1
o-Terphenyl	106		70 - 130				08/26/22 14:12	08/28/22 17:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	400		4.95		mg/Kg			08/30/22 11:50	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-05 (6'-7')

Lab Sample ID: 880-18561-13

Date Collected: 08/24/22 10:35

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:40	09/03/22 13:15	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:40	09/03/22 13:15	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:40	09/03/22 13:15	1
m-Xylene & p-Xylene	<0.00404	U **	0.00404		mg/Kg		08/26/22 13:40	09/03/22 13:15	1
o-Xylene	<0.00202	U **	0.00202		mg/Kg		08/26/22 13:40	09/03/22 13:15	1
Xylenes, Total	<0.00404	U **	0.00404		mg/Kg		08/26/22 13:40	09/03/22 13:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	08/26/22 13:40	09/03/22 13:15	1
1,4-Difluorobenzene (Surr)	91		70 - 130	08/26/22 13:40	09/03/22 13:15	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 17:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 17:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 17:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	08/26/22 14:12	08/28/22 17:45	1
o-Terphenyl	108		70 - 130	08/26/22 14:12	08/28/22 17:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	138		5.05		mg/Kg			08/30/22 11:59	1

Client Sample ID: BH-05 (9'-10')

Lab Sample ID: 880-18561-14

Date Collected: 08/24/22 10:40

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:40	09/03/22 13:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:40	09/03/22 13:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:40	09/03/22 13:36	1
m-Xylene & p-Xylene	<0.00402	U **	0.00402		mg/Kg		08/26/22 13:40	09/03/22 13:36	1
o-Xylene	<0.00201	U **	0.00201		mg/Kg		08/26/22 13:40	09/03/22 13:36	1
Xylenes, Total	<0.00402	U **	0.00402		mg/Kg		08/26/22 13:40	09/03/22 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	08/26/22 13:40	09/03/22 13:36	1
1,4-Difluorobenzene (Surr)	91		70 - 130	08/26/22 13:40	09/03/22 13:36	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-05 (9'-10')

Lab Sample ID: 880-18561-14

Date Collected: 08/24/22 10:40

Matrix: Solid

Date Received: 08/26/22 11:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/26/22 14:12	08/28/22 18:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/26/22 14:12	08/28/22 18:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/26/22 14:12	08/28/22 18:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				08/26/22 14:12	08/28/22 18:07	1
o-Terphenyl	113		70 - 130				08/26/22 14:12	08/28/22 18:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	137		4.95		mg/Kg			08/30/22 12:27	1

Client Sample ID: BH-05 (14'-15')

Lab Sample ID: 880-18561-15

Date Collected: 08/24/22 10:45

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:40	09/03/22 13:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:40	09/03/22 13:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:40	09/03/22 13:56	1
m-Xylene & p-Xylene	<0.00402	U **	0.00402		mg/Kg		08/26/22 13:40	09/03/22 13:56	1
o-Xylene	<0.00201	U **	0.00201		mg/Kg		08/26/22 13:40	09/03/22 13:56	1
Xylenes, Total	<0.00402	U **	0.00402		mg/Kg		08/26/22 13:40	09/03/22 13:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				08/26/22 13:40	09/03/22 13:56	1
1,4-Difluorobenzene (Surr)	87		70 - 130				08/26/22 13:40	09/03/22 13:56	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 18:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 18:28	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-05 (14'-15')

Lab Sample ID: 880-18561-15

Date Collected: 08/24/22 10:45

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 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		08/26/22 14:12	08/28/22 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				08/26/22 14:12	08/28/22 18:28	1
o-Terphenyl	105		70 - 130				08/26/22 14:12	08/28/22 18:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	164		4.99		mg/Kg			08/30/22 12:36	1

Client Sample ID: BH-05 (19'-20')

Lab Sample ID: 880-18561-16

Date Collected: 08/24/22 10:50

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:40	09/03/22 14:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:40	09/03/22 14:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:40	09/03/22 14:17	1
m-Xylene & p-Xylene	<0.00398	U **	0.00398		mg/Kg		08/26/22 13:40	09/03/22 14:17	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		08/26/22 13:40	09/03/22 14:17	1
Xylenes, Total	<0.00398	U **	0.00398		mg/Kg		08/26/22 13:40	09/03/22 14:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				08/26/22 13:40	09/03/22 14:17	1
1,4-Difluorobenzene (Surr)	87		70 - 130				08/26/22 13:40	09/03/22 14:17	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 18:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 18:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 18:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				08/26/22 14:12	08/28/22 18:50	1
o-Terphenyl	100		70 - 130				08/26/22 14:12	08/28/22 18:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.6		5.04		mg/Kg			08/30/22 13:42	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-05 (24'-25')

Lab Sample ID: 880-18561-17

Date Collected: 08/24/22 10:55

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 14:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 14:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 14:37	1
m-Xylene & p-Xylene	<0.00400	U **	0.00400		mg/Kg		08/26/22 13:40	09/03/22 14:37	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/26/22 13:40	09/03/22 14:37	1
Xylenes, Total	<0.00400	U **	0.00400		mg/Kg		08/26/22 13:40	09/03/22 14:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	08/26/22 13:40	09/03/22 14:37	1
1,4-Difluorobenzene (Surr)	84		70 - 130	08/26/22 13:40	09/03/22 14:37	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 19:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 19:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	08/26/22 14:12	08/28/22 19:12	1
o-Terphenyl	100		70 - 130	08/26/22 14:12	08/28/22 19:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	329		5.03		mg/Kg			08/30/22 13:52	1

Client Sample ID: BH-05 (29'-30')

Lab Sample ID: 880-18561-18

Date Collected: 08/24/22 11:00

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:40	09/03/22 14:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:40	09/03/22 14:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:40	09/03/22 14:58	1
m-Xylene & p-Xylene	<0.00403	U **	0.00403		mg/Kg		08/26/22 13:40	09/03/22 14:58	1
o-Xylene	<0.00202	U **	0.00202		mg/Kg		08/26/22 13:40	09/03/22 14:58	1
Xylenes, Total	<0.00403	U **	0.00403		mg/Kg		08/26/22 13:40	09/03/22 14:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	08/26/22 13:40	09/03/22 14:58	1
1,4-Difluorobenzene (Surr)	89		70 - 130	08/26/22 13:40	09/03/22 14:58	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-05 (29'-30')

Lab Sample ID: 880-18561-18

Date Collected: 08/24/22 11:00

Matrix: Solid

Date Received: 08/26/22 11:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 19:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 19:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 19:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				08/26/22 14:12	08/28/22 19:34	1
o-Terphenyl	95		70 - 130				08/26/22 14:12	08/28/22 19:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.3		4.98		mg/Kg			08/30/22 14:01	1

Client Sample ID: BH-04 (0'-1')

Lab Sample ID: 880-18561-19

Date Collected: 08/24/22 11:10

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 15:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 15:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 15:18	1
m-Xylene & p-Xylene	<0.00399	U **	0.00399		mg/Kg		08/26/22 13:40	09/03/22 15:18	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/26/22 13:40	09/03/22 15:18	1
Xylenes, Total	<0.00399	U **	0.00399		mg/Kg		08/26/22 13:40	09/03/22 15:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				08/26/22 13:40	09/03/22 15:18	1
1,4-Difluorobenzene (Surr)	75		70 - 130				08/26/22 13:40	09/03/22 15:18	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/26/22 14:12	08/28/22 19:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/26/22 14:12	08/28/22 19:55	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-04 (0'-1')

Lab Sample ID: 880-18561-19

Date Collected: 08/24/22 11:10

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 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		08/26/22 14:12	08/28/22 19:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				08/26/22 14:12	08/28/22 19:55	1
o-Terphenyl	124		70 - 130				08/26/22 14:12	08/28/22 19:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6330		49.5		mg/Kg			08/30/22 14:10	10

Client Sample ID: BH-04 (2'-3')

Lab Sample ID: 880-18561-20

Date Collected: 08/24/22 11:15

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 15:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 15:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 15:38	1
m-Xylene & p-Xylene	<0.00400	U **	0.00400		mg/Kg		08/26/22 13:40	09/03/22 15:38	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		08/26/22 13:40	09/03/22 15:38	1
Xylenes, Total	<0.00400	U **	0.00400		mg/Kg		08/26/22 13:40	09/03/22 15:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				08/26/22 13:40	09/03/22 15:38	1
1,4-Difluorobenzene (Surr)	89		70 - 130				08/26/22 13:40	09/03/22 15:38	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/26/22 14:12	08/28/22 20:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/26/22 14:12	08/28/22 20:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/26/22 14:12	08/28/22 20:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				08/26/22 14:12	08/28/22 20:17	1
o-Terphenyl	118		70 - 130				08/26/22 14:12	08/28/22 20:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1960		25.1		mg/Kg			08/30/22 14:19	5

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-04 (4'-5')

Lab Sample ID: 880-18561-21

Date Collected: 08/24/22 11:20

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 05:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 05:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 05:23	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/26/22 13:49	09/03/22 05:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 05:23	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/26/22 13:49	09/03/22 05:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	08/26/22 13:49	09/03/22 05:23	1
1,4-Difluorobenzene (Surr)	107		70 - 130	08/26/22 13:49	09/03/22 05:23	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1 F2	49.9		mg/Kg		08/26/22 14:15	08/28/22 12:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1 F2	49.9		mg/Kg		08/26/22 14:15	08/28/22 12:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/26/22 14:15	08/28/22 12:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130	08/26/22 14:15	08/28/22 12:18	1
o-Terphenyl	65	S1-	70 - 130	08/26/22 14:15	08/28/22 12:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		5.04		mg/Kg			08/30/22 05:14	1

Client Sample ID: BH-04 (6'-7')

Lab Sample ID: 880-18561-22

Date Collected: 08/24/22 11:25

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:49	09/03/22 05:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:49	09/03/22 05:44	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:49	09/03/22 05:44	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/26/22 13:49	09/03/22 05:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:49	09/03/22 05:44	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/26/22 13:49	09/03/22 05:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	08/26/22 13:49	09/03/22 05:44	1
1,4-Difluorobenzene (Surr)	104		70 - 130	08/26/22 13:49	09/03/22 05:44	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-04 (6'-7')

Lab Sample ID: 880-18561-22

Date Collected: 08/24/22 11:25

Matrix: Solid

Date Received: 08/26/22 11:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/26/22 14:15	08/28/22 13:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/26/22 14:15	08/28/22 13:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/26/22 14:15	08/28/22 13:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				08/26/22 14:15	08/28/22 13:24	1
o-Terphenyl	83		70 - 130				08/26/22 14:15	08/28/22 13:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		4.98		mg/Kg			08/30/22 05:34	1

Client Sample ID: BH-04 (9'-10')

Lab Sample ID: 880-18561-23

Date Collected: 08/24/22 11:30

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:49	09/03/22 06:04	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:49	09/03/22 06:04	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:49	09/03/22 06:04	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/26/22 13:49	09/03/22 06:04	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:49	09/03/22 06:04	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/26/22 13:49	09/03/22 06:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				08/26/22 13:49	09/03/22 06:04	1
1,4-Difluorobenzene (Surr)	102		70 - 130				08/26/22 13:49	09/03/22 06:04	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:15	08/28/22 13:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:15	08/28/22 13:46	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-04 (9'-10')

Lab Sample ID: 880-18561-23

Date Collected: 08/24/22 11:30

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 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		08/26/22 14:15	08/28/22 13:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				08/26/22 14:15	08/28/22 13:46	1
o-Terphenyl	108		70 - 130				08/26/22 14:15	08/28/22 13:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.5		5.02		mg/Kg			08/30/22 05:41	1

Client Sample ID: BH-04 (14'-15')

Lab Sample ID: 880-18561-24

Date Collected: 08/24/22 11:35

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:49	09/03/22 06:25	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:49	09/03/22 06:25	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:49	09/03/22 06:25	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/26/22 13:49	09/03/22 06:25	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:49	09/03/22 06:25	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/26/22 13:49	09/03/22 06:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				08/26/22 13:49	09/03/22 06:25	1
1,4-Difluorobenzene (Surr)	99		70 - 130				08/26/22 13:49	09/03/22 06:25	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/26/22 14:15	08/28/22 14:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/26/22 14:15	08/28/22 14:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/26/22 14:15	08/28/22 14:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				08/26/22 14:15	08/28/22 14:08	1
o-Terphenyl	98		70 - 130				08/26/22 14:15	08/28/22 14:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.4		4.99		mg/Kg			08/30/22 05:48	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-04 (19'-20')

Lab Sample ID: 880-18561-25

Date Collected: 08/24/22 11:40

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:49	09/03/22 06:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:49	09/03/22 06:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:49	09/03/22 06:45	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/26/22 13:49	09/03/22 06:45	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:49	09/03/22 06:45	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/26/22 13:49	09/03/22 06:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	08/26/22 13:49	09/03/22 06:45	1
1,4-Difluorobenzene (Surr)	104		70 - 130	08/26/22 13:49	09/03/22 06:45	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:15	08/28/22 14:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:15	08/28/22 14:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 14:15	08/28/22 14:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	08/26/22 14:15	08/28/22 14:29	1
o-Terphenyl	90		70 - 130	08/26/22 14:15	08/28/22 14:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.7		5.00		mg/Kg			08/30/22 05:54	1

Client Sample ID: BH-03 (0'-1')

Lab Sample ID: 880-18561-26

Date Collected: 08/24/22 11:50

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:49	09/03/22 07:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:49	09/03/22 07:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:49	09/03/22 07:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/26/22 13:49	09/03/22 07:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:49	09/03/22 07:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/26/22 13:49	09/03/22 07:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	08/26/22 13:49	09/03/22 07:05	1
1,4-Difluorobenzene (Surr)	109		70 - 130	08/26/22 13:49	09/03/22 07:05	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-03 (0'-1')

Lab Sample ID: 880-18561-26

Date Collected: 08/24/22 11:50

Matrix: Solid

Date Received: 08/26/22 11:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/26/22 14:15	08/28/22 14:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/26/22 14:15	08/28/22 14:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/26/22 14:15	08/28/22 14:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				08/26/22 14:15	08/28/22 14:51	1
o-Terphenyl	72		70 - 130				08/26/22 14:15	08/28/22 14:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4140		25.0		mg/Kg			08/30/22 06:14	5

Client Sample ID: BH-03 (2'-3')

Lab Sample ID: 880-18561-27

Date Collected: 08/24/22 11:55

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 07:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 07:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 07:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/26/22 13:49	09/03/22 07:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 07:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/26/22 13:49	09/03/22 07:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				08/26/22 13:49	09/03/22 07:26	1
1,4-Difluorobenzene (Surr)	124		70 - 130				08/26/22 13:49	09/03/22 07:26	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:15	08/28/22 15:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:15	08/28/22 15:13	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-03 (2'-3')

Lab Sample ID: 880-18561-27

Date Collected: 08/24/22 11:55

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 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		08/26/22 14:15	08/28/22 15:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				08/26/22 14:15	08/28/22 15:13	1
o-Terphenyl	96		70 - 130				08/26/22 14:15	08/28/22 15:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5280		50.1		mg/Kg			08/30/22 06:21	10

Client Sample ID: BH-03 (4'-5')

Lab Sample ID: 880-18561-28

Date Collected: 08/24/22 12:00

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 07:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 07:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 07:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/26/22 13:49	09/03/22 07:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 07:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/26/22 13:49	09/03/22 07:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				08/26/22 13:49	09/03/22 07:46	1
1,4-Difluorobenzene (Surr)	104		70 - 130				08/26/22 13:49	09/03/22 07:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/26/22 14:15	08/28/22 15:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/26/22 14:15	08/28/22 15:35	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/26/22 14:15	08/28/22 15:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				08/26/22 14:15	08/28/22 15:35	1
o-Terphenyl	88		70 - 130				08/26/22 14:15	08/28/22 15:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	304		5.02		mg/Kg			08/30/22 06:27	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-03 (6'-7')

Lab Sample ID: 880-18561-29

Date Collected: 08/24/22 12:05

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 08:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 08:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 08:07	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/26/22 13:49	09/03/22 08:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 08:07	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/26/22 13:49	09/03/22 08:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	08/26/22 13:49	09/03/22 08:07	1
1,4-Difluorobenzene (Surr)	103		70 - 130	08/26/22 13:49	09/03/22 08:07	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:15	08/28/22 15:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:15	08/28/22 15:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 14:15	08/28/22 15:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	08/26/22 14:15	08/28/22 15:56	1
o-Terphenyl	100		70 - 130	08/26/22 14:15	08/28/22 15:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	138		4.99		mg/Kg			08/30/22 06:34	1

Client Sample ID: BH-03 (9'-10')

Lab Sample ID: 880-18561-30

Date Collected: 08/24/22 12:10

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:49	09/03/22 08:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:49	09/03/22 08:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:49	09/03/22 08:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/26/22 13:49	09/03/22 08:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:49	09/03/22 08:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/26/22 13:49	09/03/22 08:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	08/26/22 13:49	09/03/22 08:27	1
1,4-Difluorobenzene (Surr)	104		70 - 130	08/26/22 13:49	09/03/22 08:27	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-03 (9'-10')

Lab Sample ID: 880-18561-30

Date Collected: 08/24/22 12:10

Matrix: Solid

Date Received: 08/26/22 11:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:15	08/28/22 16:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:15	08/28/22 16:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 14:15	08/28/22 16:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				08/26/22 14:15	08/28/22 16:18	1
o-Terphenyl	79		70 - 130				08/26/22 14:15	08/28/22 16:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.3		5.03		mg/Kg			08/30/22 06:41	1

Client Sample ID: BH-03 (14'-15')

Lab Sample ID: 880-18561-31

Date Collected: 08/24/22 12:15

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 10:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 10:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 10:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/26/22 13:49	09/03/22 10:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 10:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/26/22 13:49	09/03/22 10:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				08/26/22 13:49	09/03/22 10:17	1
1,4-Difluorobenzene (Surr)	105		70 - 130				08/26/22 13:49	09/03/22 10:17	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:15	08/28/22 17:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:15	08/28/22 17:02	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-03 (14'-15')

Lab Sample ID: 880-18561-31

Date Collected: 08/24/22 12:15

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 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		08/26/22 14:15	08/28/22 17:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				08/26/22 14:15	08/28/22 17:02	1
o-Terphenyl	94		70 - 130				08/26/22 14:15	08/28/22 17:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		4.97		mg/Kg			08/30/22 06:47	1

Client Sample ID: BH-03 (19'-20')

Lab Sample ID: 880-18561-32

Date Collected: 08/24/22 12:20

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:49	09/03/22 10:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:49	09/03/22 10:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:49	09/03/22 10:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/26/22 13:49	09/03/22 10:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:49	09/03/22 10:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/26/22 13:49	09/03/22 10:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				08/26/22 13:49	09/03/22 10:37	1
1,4-Difluorobenzene (Surr)	102		70 - 130				08/26/22 13:49	09/03/22 10:37	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/26/22 14:15	08/28/22 17:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/26/22 14:15	08/28/22 17:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/26/22 14:15	08/28/22 17:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				08/26/22 14:15	08/28/22 17:23	1
o-Terphenyl	74		70 - 130				08/26/22 14:15	08/28/22 17:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.6		4.95		mg/Kg			08/30/22 07:07	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-02 (0'-1')

Lab Sample ID: 880-18561-33

Date Collected: 08/24/22 12:30

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:49	09/03/22 10:57	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:49	09/03/22 10:57	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:49	09/03/22 10:57	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/26/22 13:49	09/03/22 10:57	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:49	09/03/22 10:57	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/26/22 13:49	09/03/22 10:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	08/26/22 13:49	09/03/22 10:57	1
1,4-Difluorobenzene (Surr)	109		70 - 130	08/26/22 13:49	09/03/22 10:57	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:15	08/28/22 17:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:15	08/28/22 17:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 14:15	08/28/22 17:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	08/26/22 14:15	08/28/22 17:45	1
o-Terphenyl	94		70 - 130	08/26/22 14:15	08/28/22 17:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4650		50.3		mg/Kg			08/30/22 07:14	10

Client Sample ID: BH-02 ((2'-3'))

Lab Sample ID: 880-18561-34

Date Collected: 08/24/22 12:35

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:49	09/03/22 11:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:49	09/03/22 11:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:49	09/03/22 11:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/26/22 13:49	09/03/22 11:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:49	09/03/22 11:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/26/22 13:49	09/03/22 11:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	08/26/22 13:49	09/03/22 11:18	1
1,4-Difluorobenzene (Surr)	133	S1+	70 - 130	08/26/22 13:49	09/03/22 11:18	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-02 ((2'-3'))

Lab Sample ID: 880-18561-34

Date Collected: 08/24/22 12:35

Matrix: Solid

Date Received: 08/26/22 11:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/26/22 14:15	08/28/22 18:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/26/22 14:15	08/28/22 18:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/26/22 14:15	08/28/22 18:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				08/26/22 14:15	08/28/22 18:07	1
o-Terphenyl	105		70 - 130				08/26/22 14:15	08/28/22 18:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6190		50.3		mg/Kg			08/30/22 07:34	10

Client Sample ID: BH-02 (4'-5')

Lab Sample ID: 880-18561-35

Date Collected: 08/24/22 12:40

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 11:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 11:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 11:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/26/22 13:49	09/03/22 11:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 11:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/26/22 13:49	09/03/22 11:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				08/26/22 13:49	09/03/22 11:38	1
1,4-Difluorobenzene (Surr)	105		70 - 130				08/26/22 13:49	09/03/22 11:38	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:15	08/28/22 18:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:15	08/28/22 18:28	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-02 (4'-5')

Lab Sample ID: 880-18561-35

Date Collected: 08/24/22 12:40

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 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		08/26/22 14:15	08/28/22 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				08/26/22 14:15	08/28/22 18:28	1
o-Terphenyl	87		70 - 130				08/26/22 14:15	08/28/22 18:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	143		4.98		mg/Kg			08/30/22 07:40	1

Client Sample ID: BH-02 (6'-7')

Lab Sample ID: 880-18561-36

Date Collected: 08/24/22 12:45

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:49	09/03/22 11:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:49	09/03/22 11:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:49	09/03/22 11:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/26/22 13:49	09/03/22 11:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:49	09/03/22 11:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/26/22 13:49	09/03/22 11:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				08/26/22 13:49	09/03/22 11:59	1
1,4-Difluorobenzene (Surr)	108		70 - 130				08/26/22 13:49	09/03/22 11:59	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/26/22 14:15	08/28/22 18:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/26/22 14:15	08/28/22 18:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/26/22 14:15	08/28/22 18:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				08/26/22 14:15	08/28/22 18:50	1
o-Terphenyl	63	S1-	70 - 130				08/26/22 14:15	08/28/22 18:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109		4.99		mg/Kg			08/30/22 07:47	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-02 (9'-10')

Lab Sample ID: 880-18561-37

Date Collected: 08/24/22 12:50

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 12:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 12:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 12:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/26/22 13:49	09/03/22 12:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 12:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/26/22 13:49	09/03/22 12:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	08/26/22 13:49	09/03/22 12:19	1
1,4-Difluorobenzene (Surr)	105		70 - 130	08/26/22 13:49	09/03/22 12:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/26/22 14:15	08/28/22 19:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/26/22 14:15	08/28/22 19:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/26/22 14:15	08/28/22 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	55	S1-	70 - 130	08/26/22 14:15	08/28/22 19:12	1
o-Terphenyl	50	S1-	70 - 130	08/26/22 14:15	08/28/22 19:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.3		4.98		mg/Kg			08/30/22 07:54	1

Client Sample ID: BH-02 (14'-15')

Lab Sample ID: 880-18561-38

Date Collected: 08/24/22 12:55

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:49	09/03/22 12:40	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:49	09/03/22 12:40	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:49	09/03/22 12:40	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/26/22 13:49	09/03/22 12:40	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:49	09/03/22 12:40	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/26/22 13:49	09/03/22 12:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	08/26/22 13:49	09/03/22 12:40	1
1,4-Difluorobenzene (Surr)	105		70 - 130	08/26/22 13:49	09/03/22 12:40	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-02 (14'-15')

Lab Sample ID: 880-18561-38

Date Collected: 08/24/22 12:55

Matrix: Solid

Date Received: 08/26/22 11:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:15	08/28/22 19:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:15	08/28/22 19:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 14:15	08/28/22 19:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				08/26/22 14:15	08/28/22 19:34	1
o-Terphenyl	76		70 - 130				08/26/22 14:15	08/28/22 19:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		5.04		mg/Kg			08/30/22 08:00	1

Client Sample ID: BH-02 (19'-20')

Lab Sample ID: 880-18561-39

Date Collected: 08/24/22 13:00

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 13:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 13:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 13:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/26/22 13:49	09/03/22 13:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 13:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/26/22 13:49	09/03/22 13:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130				08/26/22 13:49	09/03/22 13:00	1
1,4-Difluorobenzene (Surr)	120		70 - 130				08/26/22 13:49	09/03/22 13:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/26/22 14:15	08/28/22 19:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/26/22 14:15	08/28/22 19:55	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-02 (19'-20')

Lab Sample ID: 880-18561-39

Date Collected: 08/24/22 13:00

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 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		08/26/22 14:15	08/28/22 19:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				08/26/22 14:15	08/28/22 19:55	1
o-Terphenyl	83		70 - 130				08/26/22 14:15	08/28/22 19:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.1		5.05		mg/Kg			08/30/22 08:07	1

Client Sample ID: BH-08 (0'-1')

Lab Sample ID: 880-18561-40

Date Collected: 08/24/22 14:00

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:49	09/03/22 13:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:49	09/03/22 13:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:49	09/03/22 13:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/26/22 13:49	09/03/22 13:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:49	09/03/22 13:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/26/22 13:49	09/03/22 13:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				08/26/22 13:49	09/03/22 13:20	1
1,4-Difluorobenzene (Surr)	109		70 - 130				08/26/22 13:49	09/03/22 13:20	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/26/22 14:15	08/28/22 20:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/26/22 14:15	08/28/22 20:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/26/22 14:15	08/28/22 20:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				08/26/22 14:15	08/28/22 20:17	1
o-Terphenyl	76		70 - 130				08/26/22 14:15	08/28/22 20:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4540		25.2		mg/Kg			08/30/22 08:14	5

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-08 (2'-3')

Lab Sample ID: 880-18561-41

Date Collected: 08/24/22 14:05

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 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		08/26/22 13:58	09/03/22 16:58	1
Toluene	<0.00201	U F1	0.00201		mg/Kg		08/26/22 13:58	09/03/22 16:58	1
Ethylbenzene	<0.00201	U F1	0.00201		mg/Kg		08/26/22 13:58	09/03/22 16:58	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402		mg/Kg		08/26/22 13:58	09/03/22 16:58	1
o-Xylene	<0.00201	U F1	0.00201		mg/Kg		08/26/22 13:58	09/03/22 16:58	1
Xylenes, Total	<0.00402	U F1	0.00402		mg/Kg		08/26/22 13:58	09/03/22 16:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	08/26/22 13:58	09/03/22 16:58	1
1,4-Difluorobenzene (Surr)	117		70 - 130	08/26/22 13:58	09/03/22 16:58	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/26/22 14:19	08/28/22 22:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/26/22 14:19	08/28/22 22:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/26/22 14:19	08/28/22 22:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	08/26/22 14:19	08/28/22 22:06	1
o-Terphenyl	94		70 - 130	08/26/22 14:19	08/28/22 22:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9110		49.7		mg/Kg			08/30/22 09:07	10

Client Sample ID: BH-08 (4'-5')

Lab Sample ID: 880-18561-42

Date Collected: 08/24/22 14:10

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:58	09/03/22 17:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:58	09/03/22 17:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:58	09/03/22 17:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/26/22 13:58	09/03/22 17:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:58	09/03/22 17:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/26/22 13:58	09/03/22 17:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	08/26/22 13:58	09/03/22 17:19	1
1,4-Difluorobenzene (Surr)	105		70 - 130	08/26/22 13:58	09/03/22 17:19	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-08 (4'-5')

Lab Sample ID: 880-18561-42

Date Collected: 08/24/22 14:10

Matrix: Solid

Date Received: 08/26/22 11:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/26/22 14:19	08/28/22 23:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/26/22 14:19	08/28/22 23:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/26/22 14:19	08/28/22 23:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				08/26/22 14:19	08/28/22 23:11	1
o-Terphenyl	87		70 - 130				08/26/22 14:19	08/28/22 23:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3710		25.2		mg/Kg			08/30/22 09:27	5

Client Sample ID: BH-08 (6'-7')

Lab Sample ID: 880-18561-43

Date Collected: 08/24/22 14:15

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 18:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 18:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 18:31	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/26/22 13:58	09/03/22 18:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 18:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/26/22 13:58	09/03/22 18:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				08/26/22 13:58	09/03/22 18:31	1
1,4-Difluorobenzene (Surr)	103		70 - 130				08/26/22 13:58	09/03/22 18:31	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:19	08/28/22 23:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:19	08/28/22 23:33	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-08 (6'-7')

Lab Sample ID: 880-18561-43

Date Collected: 08/24/22 14:15

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 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		08/26/22 14:19	08/28/22 23:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				08/26/22 14:19	08/28/22 23:33	1
o-Terphenyl	90		70 - 130				08/26/22 14:19	08/28/22 23:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2150		25.2		mg/Kg			08/30/22 09:48	5

Client Sample ID: BH-08 (9'-10')

Lab Sample ID: 880-18561-44

Date Collected: 08/24/22 14:20

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:58	09/03/22 18:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:58	09/03/22 18:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:58	09/03/22 18:52	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/26/22 13:58	09/03/22 18:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:58	09/03/22 18:52	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/26/22 13:58	09/03/22 18:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				08/26/22 13:58	09/03/22 18:52	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/26/22 13:58	09/03/22 18:52	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/26/22 14:19	08/28/22 23:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/26/22 14:19	08/28/22 23:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/26/22 14:19	08/28/22 23:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				08/26/22 14:19	08/28/22 23:55	1
o-Terphenyl	111		70 - 130				08/26/22 14:19	08/28/22 23:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	306		4.98		mg/Kg			08/30/22 09:55	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-08 14'-15'

Lab Sample ID: 880-18561-45

Date Collected: 08/24/22 14:25

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:58	09/03/22 19:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:58	09/03/22 19:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:58	09/03/22 19:12	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/26/22 13:58	09/03/22 19:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:58	09/03/22 19:12	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/26/22 13:58	09/03/22 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	08/26/22 13:58	09/03/22 19:12	1
1,4-Difluorobenzene (Surr)	102		70 - 130	08/26/22 13:58	09/03/22 19:12	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:19	08/29/22 00:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:19	08/29/22 00:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 14:19	08/29/22 00:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	08/26/22 14:19	08/29/22 00:16	1
o-Terphenyl	104		70 - 130	08/26/22 14:19	08/29/22 00:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		5.02		mg/Kg			08/30/22 10:02	1

Client Sample ID: BH-08 (19'-20')

Lab Sample ID: 880-18561-46

Date Collected: 08/24/22 14:30

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:58	09/03/22 19:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:58	09/03/22 19:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:58	09/03/22 19:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/26/22 13:58	09/03/22 19:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:58	09/03/22 19:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/26/22 13:58	09/03/22 19:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	08/26/22 13:58	09/03/22 19:32	1
1,4-Difluorobenzene (Surr)	105		70 - 130	08/26/22 13:58	09/03/22 19:32	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-08 (19'-20')

Lab Sample ID: 880-18561-46

Date Collected: 08/24/22 14:30

Matrix: Solid

Date Received: 08/26/22 11:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/26/22 14:19	08/29/22 00:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/26/22 14:19	08/29/22 00:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/26/22 14:19	08/29/22 00:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				08/26/22 14:19	08/29/22 00:37	1
o-Terphenyl	93		70 - 130				08/26/22 14:19	08/29/22 00:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116		5.05		mg/Kg			08/30/22 11:10	1

Client Sample ID: BH-17 (0'-1')

Lab Sample ID: 880-18561-47

Date Collected: 08/24/22 15:00

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 19:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 19:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 19:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/26/22 13:58	09/03/22 19:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 19:53	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/26/22 13:58	09/03/22 19:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				08/26/22 13:58	09/03/22 19:53	1
1,4-Difluorobenzene (Surr)	102		70 - 130				08/26/22 13:58	09/03/22 19:53	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:19	08/29/22 00:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:19	08/29/22 00:58	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-17 (0'-1')

Lab Sample ID: 880-18561-47

Date Collected: 08/24/22 15:00

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 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		08/26/22 14:19	08/29/22 00:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				08/26/22 14:19	08/29/22 00:58	1
o-Terphenyl	109		70 - 130				08/26/22 14:19	08/29/22 00:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3370		25.2		mg/Kg			08/30/22 11:16	5

Client Sample ID: BH-17 (2'-3')

Lab Sample ID: 880-18561-48

Date Collected: 08/24/22 15:05

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 20:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 20:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 20:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/26/22 13:58	09/03/22 20:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 20:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/26/22 13:58	09/03/22 20:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				08/26/22 13:58	09/03/22 20:13	1
1,4-Difluorobenzene (Surr)	103		70 - 130				08/26/22 13:58	09/03/22 20:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/26/22 14:19	08/29/22 01:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/26/22 14:19	08/29/22 01:20	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/26/22 14:19	08/29/22 01:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				08/26/22 14:19	08/29/22 01:20	1
o-Terphenyl	92		70 - 130				08/26/22 14:19	08/29/22 01:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	450		4.96		mg/Kg			08/30/22 11:23	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-17 (4'-5')

Lab Sample ID: 880-18561-49

Date Collected: 08/24/22 15:10

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 20:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 20:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 20:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/26/22 13:58	09/03/22 20:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 20:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/26/22 13:58	09/03/22 20:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	08/26/22 13:58	09/03/22 20:34	1
1,4-Difluorobenzene (Surr)	101		70 - 130	08/26/22 13:58	09/03/22 20:34	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:19	08/28/22 21:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:19	08/28/22 21:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 14:19	08/28/22 21:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	08/26/22 14:19	08/28/22 21:00	1
o-Terphenyl	101		70 - 130	08/26/22 14:19	08/28/22 21:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	76.9		5.01		mg/Kg			08/30/22 11:30	1

Client Sample ID: BH-17 (6'-7')

Lab Sample ID: 880-18561-50

Date Collected: 08/24/22 15:15

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:58	09/03/22 20:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:58	09/03/22 20:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:58	09/03/22 20:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/26/22 13:58	09/03/22 20:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:58	09/03/22 20:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/26/22 13:58	09/03/22 20:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	08/26/22 13:58	09/03/22 20:54	1
1,4-Difluorobenzene (Surr)	100		70 - 130	08/26/22 13:58	09/03/22 20:54	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-17 (6'-7')

Lab Sample ID: 880-18561-50

Date Collected: 08/24/22 15:15

Matrix: Solid

Date Received: 08/26/22 11:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:19	08/28/22 21:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:19	08/28/22 21:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 14:19	08/28/22 21:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	08/26/22 14:19	08/28/22 21:22	1
o-Terphenyl	102		70 - 130	08/26/22 14:19	08/28/22 21:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.4		0.472		mg/Kg			08/30/22 11:36	1

Client Sample ID: BH-17 (9'-10')

Lab Sample ID: 880-18561-51

Date Collected: 08/24/22 15:20

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:58	09/03/22 22:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:58	09/03/22 22:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:58	09/03/22 22:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/26/22 13:58	09/03/22 22:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:58	09/03/22 22:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/26/22 13:58	09/03/22 22:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	08/26/22 13:58	09/03/22 22:44	1
1,4-Difluorobenzene (Surr)	103		70 - 130	08/26/22 13:58	09/03/22 22:44	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:19	08/28/22 21:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:19	08/28/22 21:44	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-17 (9'-10')

Lab Sample ID: 880-18561-51

Date Collected: 08/24/22 15:20

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 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		08/26/22 14:19	08/28/22 21:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				08/26/22 14:19	08/28/22 21:44	1
o-Terphenyl	104		70 - 130				08/26/22 14:19	08/28/22 21:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	135		4.97		mg/Kg			08/30/22 11:43	1

Client Sample ID: BH-18 (0'-1')

Lab Sample ID: 880-18561-52

Date Collected: 08/24/22 15:30

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:58	09/03/22 23:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:58	09/03/22 23:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:58	09/03/22 23:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/26/22 13:58	09/03/22 23:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/26/22 13:58	09/03/22 23:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/26/22 13:58	09/03/22 23:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				08/26/22 13:58	09/03/22 23:04	1
1,4-Difluorobenzene (Surr)	101		70 - 130				08/26/22 13:58	09/03/22 23:04	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/26/22 14:19	08/28/22 22:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/26/22 14:19	08/28/22 22:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/26/22 14:19	08/28/22 22:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				08/26/22 14:19	08/28/22 22:06	1
o-Terphenyl	90		70 - 130				08/26/22 14:19	08/28/22 22:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.0		4.95		mg/Kg			08/30/22 12:03	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-18 (2'-3')

Lab Sample ID: 880-18561-53

Date Collected: 08/24/22 15:35

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:58	09/03/22 23:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:58	09/03/22 23:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:58	09/03/22 23:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/26/22 13:58	09/03/22 23:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:58	09/03/22 23:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/26/22 13:58	09/03/22 23:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	08/26/22 13:58	09/03/22 23:24	1
1,4-Difluorobenzene (Surr)	104		70 - 130	08/26/22 13:58	09/03/22 23:24	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:19	08/28/22 22:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:19	08/28/22 22:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 14:19	08/28/22 22:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	08/26/22 14:19	08/28/22 22:27	1
o-Terphenyl	96		70 - 130	08/26/22 14:19	08/28/22 22:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	616		4.98		mg/Kg			08/30/22 12:09	1

Client Sample ID: BH-18 (4'-5')

Lab Sample ID: 880-18561-54

Date Collected: 08/24/22 15:40

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 23:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 23:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 23:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/26/22 13:58	09/03/22 23:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 23:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/26/22 13:58	09/03/22 23:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	08/26/22 13:58	09/03/22 23:45	1
1,4-Difluorobenzene (Surr)	98		70 - 130	08/26/22 13:58	09/03/22 23:45	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-18 (4'-5')

Lab Sample ID: 880-18561-54

Date Collected: 08/24/22 15:40

Matrix: Solid

Date Received: 08/26/22 11:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/26/22 14:19	08/28/22 22:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/26/22 14:19	08/28/22 22:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/26/22 14:19	08/28/22 22:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				08/26/22 14:19	08/28/22 22:49	1
o-Terphenyl	104		70 - 130				08/26/22 14:19	08/28/22 22:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2250		24.9		mg/Kg			08/30/22 12:29	5

Client Sample ID: BH-18 (6'-7')

Lab Sample ID: 880-18561-55

Date Collected: 08/24/22 15:45

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/04/22 00:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/04/22 00:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/04/22 00:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/26/22 13:58	09/04/22 00:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/04/22 00:05	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/26/22 13:58	09/04/22 00:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				08/26/22 13:58	09/04/22 00:05	1
1,4-Difluorobenzene (Surr)	103		70 - 130				08/26/22 13:58	09/04/22 00:05	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 14:19	08/28/22 23:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:19	08/28/22 23:11	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-18 (6'-7')

Lab Sample ID: 880-18561-55

Date Collected: 08/24/22 15:45

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 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		08/26/22 14:19	08/28/22 23:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				08/26/22 14:19	08/28/22 23:11	1
o-Terphenyl	122		70 - 130				08/26/22 14:19	08/28/22 23:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		5.00		mg/Kg			08/30/22 13:05	1

Client Sample ID: BH-18 (9'-10')

Lab Sample ID: 880-18561-56

Date Collected: 08/24/22 15:50

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:58	09/04/22 00:26	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:58	09/04/22 00:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:58	09/04/22 00:26	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/26/22 13:58	09/04/22 00:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/26/22 13:58	09/04/22 00:26	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/26/22 13:58	09/04/22 00:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				08/26/22 13:58	09/04/22 00:26	1
1,4-Difluorobenzene (Surr)	105		70 - 130				08/26/22 13:58	09/04/22 00:26	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			09/04/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/26/22 14:19	08/28/22 23:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/26/22 14:19	08/28/22 23:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/26/22 14:19	08/28/22 23:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				08/26/22 14:19	08/28/22 23:33	1
o-Terphenyl	104		70 - 130				08/26/22 14:19	08/28/22 23:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.1		5.01		mg/Kg			08/30/22 12:37	1

Eurofins Midland

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
SDG: Lea County, New Mexico

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)
880-18561-1	BH-06 (0'-1')	114	94
880-18561-1 MS	BH-06 (0'-1')	145 S1+	104
880-18561-1 MSD	BH-06 (0'-1')	65 S1-	105
880-18561-2	BH-06 (2'-3')	118	93
880-18561-3	BH-06 (4'-5')	118	96
880-18561-4	BH-06 (6'-7')	114	89
880-18561-5	BH-06 (9'-10')	115	93
880-18561-6	BH-06 (14'-15')	122	92
880-18561-7	BH-06 (19'-20')	127	82
880-18561-8	BH-06 (24'-25')	126	90
880-18561-9	BH-06 (29'-30')	127	90
880-18561-10	BH-05 (0'-1')	115	91
880-18561-11	BH-05 (2'-3')	90	87
880-18561-12	BH-05 (4'-5')	117	94
880-18561-13	BH-05 (6'-7')	117	91
880-18561-14	BH-05 (9'-10')	120	91
880-18561-15	BH-05 (14'-15')	115	87
880-18561-16	BH-05 (19'-20')	115	87
880-18561-17	BH-05 (24'-25')	112	84
880-18561-18	BH-05 (29'-30')	112	89
880-18561-19	BH-04 (0'-1')	104	75
880-18561-20	BH-04 (2'-3')	116	89
880-18561-21	BH-04 (4'-5')	88	107
880-18561-21 MS	BH-04 (4'-5')	91	98
880-18561-21 MSD	BH-04 (4'-5')	90	103
880-18561-22	BH-04 (6'-7')	88	104
880-18561-23	BH-04 (9'-10')	89	102
880-18561-24	BH-04 (14'-15')	85	99
880-18561-25	BH-04 (19'-20')	91	104
880-18561-26	BH-03 (0'-1')	85	109
880-18561-27	BH-03 (2'-3')	89	124
880-18561-28	BH-03 (4'-5')	90	104
880-18561-29	BH-03 (6'-7')	90	103
880-18561-30	BH-03 (9'-10')	86	104
880-18561-31	BH-03 (14'-15')	91	105
880-18561-32	BH-03 (19'-20')	88	102
880-18561-33	BH-02 (0'-1')	88	109
880-18561-34	BH-02 ((2'-3')	87	133 S1+
880-18561-35	BH-02 (4'-5')	89	105
880-18561-36	BH-02 (6'-7')	91	108
880-18561-37	BH-02 (9'-10')	90	105
880-18561-38	BH-02 (14'-15')	88	105
880-18561-39	BH-02 (19'-20')	76	120
880-18561-40	BH-08 (0'-1')	90	109
880-18561-41	BH-08 (2'-3')	84	117
880-18561-41 MS	BH-08 (2'-3')	94	122
880-18561-41 MSD	BH-08 (2'-3')	79	112
880-18561-42	BH-08 (4'-5')	88	105
880-18561-43	BH-08 (6'-7')	93	103

Eurofins Midland

Surrogate Summary

Client: Tetra Tech, Inc.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-18561-44	BH-08 (9'-10')	87	96
880-18561-45	BH-08 14'-15')	83	102
880-18561-46	BH-08 (19'-20')	92	105
880-18561-47	BH-17 (0'-1')	89	102
880-18561-48	BH-17 (2'-3')	90	103
880-18561-49	BH-17 (4'-5')	90	101
880-18561-50	BH-17 (6'-7')	97	100
880-18561-51	BH-17 (9'-10')	93	103
880-18561-52	BH-18 (0'-1')	96	101
880-18561-53	BH-18 (2'-3')	90	104
880-18561-54	BH-18 (4'-5')	92	98
880-18561-55	BH-18 (6'-7')	93	103
880-18561-56	BH-18 (9'-10')	87	105
LCS 880-33064/1-A	Lab Control Sample	131 S1+	100
LCS 880-33065/1-A	Lab Control Sample	89	97
LCS 880-33067/1-A	Lab Control Sample	91	103
LCSD 880-33064/2-A	Lab Control Sample Dup	147 S1+	111
LCSD 880-33065/2-A	Lab Control Sample Dup	88	100
LCSD 880-33067/2-A	Lab Control Sample Dup	92	103
MB 880-33064/5-A	Method Blank	103	88
MB 880-33065/5-A	Method Blank	79	116
MB 880-33067/5-A	Method Blank	79	116
MB 880-33569/5-A	Method Blank	77	120
MB 880-33571/5-A	Method Blank	107	86

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-18561-1	BH-06 (0'-1')	103	97
880-18561-1 MS	BH-06 (0'-1')	91	83
880-18561-1 MSD	BH-06 (0'-1')	94	87
880-18561-2	BH-06 (2'-3')	116	108
880-18561-3	BH-06 (4'-5')	102	94
880-18561-4	BH-06 (6'-7')	109	101
880-18561-5	BH-06 (9'-10')	114	106
880-18561-6	BH-06 (14'-15')	106	102
880-18561-7	BH-06 (19'-20')	129	112
880-18561-8	BH-06 (24'-25')	106	96
880-18561-9	BH-06 (29'-30')	126	112
880-18561-10	BH-05 (0'-1')	112	103
880-18561-11	BH-05 (2'-3')	134 S1+	123
880-18561-12	BH-05 (4'-5')	114	106
880-18561-13	BH-05 (6'-7')	122	108
880-18561-14	BH-05 (9'-10')	127	113

Eurofins Midland

Surrogate Summary

Client: Tetra Tech, Inc.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-18561-15	BH-05 (14'-15')	112	105
880-18561-16	BH-05 (19'-20')	106	100
880-18561-17	BH-05 (24'-25')	106	100
880-18561-18	BH-05 (29'-30')	104	95
880-18561-19	BH-04 (0'-1')	134 S1+	124
880-18561-20	BH-04 (2'-3')	130	118
880-18561-21	BH-04 (4'-5')	69 S1-	65 S1-
880-18561-21 MS	BH-04 (4'-5')	58 S1-	47 S1-
880-18561-21 MSD	BH-04 (4'-5')	78	76
880-18561-22	BH-04 (6'-7')	85	83
880-18561-23	BH-04 (9'-10')	114	108
880-18561-24	BH-04 (14'-15')	104	98
880-18561-25	BH-04 (19'-20')	91	90
880-18561-26	BH-03 (0'-1')	76	72
880-18561-27	BH-03 (2'-3')	96	96
880-18561-28	BH-03 (4'-5')	95	88
880-18561-29	BH-03 (6'-7')	105	100
880-18561-30	BH-03 (9'-10')	82	79
880-18561-31	BH-03 (14'-15')	100	94
880-18561-32	BH-03 (19'-20')	75	74
880-18561-33	BH-02 (0'-1')	94	94
880-18561-34	BH-02 ((2'-3')	109	105
880-18561-35	BH-02 (4'-5')	90	87
880-18561-36	BH-02 (6'-7')	69 S1-	63 S1-
880-18561-37	BH-02 (9'-10')	55 S1-	50 S1-
880-18561-38	BH-02 (14'-15')	78	76
880-18561-39	BH-02 (19'-20')	89	83
880-18561-40	BH-08 (0'-1')	79	76
880-18561-41	BH-08 (2'-3')	91	94
880-18561-41 MS	BH-08 (2'-3')	81	72
880-18561-41 MSD	BH-08 (2'-3')	90	79
880-18561-42	BH-08 (4'-5')	88	87
880-18561-43	BH-08 (6'-7')	92	90
880-18561-44	BH-08 (9'-10')	113	111
880-18561-45	BH-08 14'-15')	111	104
880-18561-46	BH-08 (19'-20')	97	93
880-18561-47	BH-17 (0'-1')	115	109
880-18561-48	BH-17 (2'-3')	92	92
880-18561-49	BH-17 (4'-5')	109	101
880-18561-50	BH-17 (6'-7')	109	102
880-18561-51	BH-17 (9'-10')	110	104
880-18561-52	BH-18 (0'-1')	98	90
880-18561-53	BH-18 (2'-3')	103	96
880-18561-54	BH-18 (4'-5')	112	104
880-18561-55	BH-18 (6'-7')	129	122
880-18561-56	BH-18 (9'-10')	111	104
LCS 880-33068/2-A	Lab Control Sample	164 S1+	161 S1+
LCS 880-33070/2-A	Lab Control Sample	174 S1+	170 S1+
LCS 880-33071/2-A	Lab Control Sample	170 S1+	162 S1+
LCSD 880-33068/3-A	Lab Control Sample Dup	189 S1+	160 S1+

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Surrogate Summary

Client: Tetra Tech, Inc.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
LCS8 880-33070/3-A	Lab Control Sample Dup	173 S1+	169 S1+
LCS8 880-33071/3-A	Lab Control Sample Dup	178 S1+	169 S1+
MB 880-33068/1-A	Method Blank	108	104
MB 880-33070/1-A	Method Blank	93	98
MB 880-33071/1-A	Method Blank	101	104

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: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-33064/5-A
 Matrix: Solid
 Analysis Batch: 33586

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 33064

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 07:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 07:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 07:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/26/22 13:40	09/03/22 07:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:40	09/03/22 07:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/26/22 13:40	09/03/22 07:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	08/26/22 13:40	09/03/22 07:45	1
1,4-Difluorobenzene (Surr)	88		70 - 130	08/26/22 13:40	09/03/22 07:45	1

Lab Sample ID: LCS 880-33064/1-A
 Matrix: Solid
 Analysis Batch: 33586

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 33064

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09630		mg/Kg		96	70 - 130
Toluene	0.100	0.1019		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1078		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2349		mg/Kg		117	70 - 130
o-Xylene	0.100	0.1365	*+	mg/Kg		136	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-33064/2-A
 Matrix: Solid
 Analysis Batch: 33586

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 33064

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1014		mg/Kg		101	70 - 130	5	35
Toluene	0.100	0.1042		mg/Kg		104	70 - 130	2	35
Ethylbenzene	0.100	0.1178		mg/Kg		118	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.2619	*+	mg/Kg		131	70 - 130	11	35
o-Xylene	0.100	0.1531	*+	mg/Kg		153	70 - 130	11	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: 880-18561-1 MS
 Matrix: Solid
 Analysis Batch: 33586

Client Sample ID: BH-06 (0'-1')
 Prep Type: Total/NA
 Prep Batch: 33064

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.100	0.08438		mg/Kg		84	70 - 130
Toluene	<0.00198	U	0.100	0.08463		mg/Kg		84	70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-18561-1 MS
Matrix: Solid
Analysis Batch: 33586

Client Sample ID: BH-06 (0'-1')
Prep Type: Total/NA
Prep Batch: 33064

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00198	U	0.100	0.09404		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00396	U *	0.201	0.2173		mg/Kg		108	70 - 130
o-Xylene	<0.00198	U *	0.100	0.1256		mg/Kg		125	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-18561-1 MSD
Matrix: Solid
Analysis Batch: 33586

Client Sample ID: BH-06 (0'-1')
Prep Type: Total/NA
Prep Batch: 33064

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.101	0.09243		mg/Kg		92	70 - 130	9	35
Toluene	<0.00198	U	0.101	0.08640		mg/Kg		86	70 - 130	2	35
Ethylbenzene	<0.00198	U	0.101	0.09159		mg/Kg		91	70 - 130	3	35
m-Xylene & p-Xylene	<0.00396	U *	0.202	0.2131		mg/Kg		106	70 - 130	2	35
o-Xylene	<0.00198	U *	0.101	0.1224		mg/Kg		121	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	65	S1-	70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: MB 880-33065/5-A
Matrix: Solid
Analysis Batch: 33649

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33065

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 04:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 04:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 04:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/26/22 13:49	09/03/22 04:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:49	09/03/22 04:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/26/22 13:49	09/03/22 04:55	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	08/26/22 13:49	09/03/22 04:55	1
1,4-Difluorobenzene (Surr)	116		70 - 130	08/26/22 13:49	09/03/22 04:55	1

Lab Sample ID: LCS 880-33065/1-A
Matrix: Solid
Analysis Batch: 33649

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33065

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09816		mg/Kg		98	70 - 130
Toluene	0.100	0.1008		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.09506		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1756		mg/Kg		88	70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-33065/1-A
 Matrix: Solid
 Analysis Batch: 33649

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 33065

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.09165		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-33065/2-A
 Matrix: Solid
 Analysis Batch: 33649

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 33065

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1062		mg/Kg		106	70 - 130	8	35
Toluene	0.100	0.1033		mg/Kg		103	70 - 130	2	35
Ethylbenzene	0.100	0.09992		mg/Kg		100	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1823		mg/Kg		91	70 - 130	4	35
o-Xylene	0.100	0.09632		mg/Kg		96	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-18561-21 MS
 Matrix: Solid
 Analysis Batch: 33649

Client Sample ID: BH-04 (4'-5')
 Prep Type: Total/NA
 Prep Batch: 33065

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08501		mg/Kg		85	70 - 130
Toluene	<0.00200	U	0.100	0.08732		mg/Kg		87	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08499		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1529		mg/Kg		76	70 - 130
o-Xylene	<0.00200	U	0.100	0.07936		mg/Kg		79	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-18561-21 MSD
 Matrix: Solid
 Analysis Batch: 33649

Client Sample ID: BH-04 (4'-5')
 Prep Type: Total/NA
 Prep Batch: 33065

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U	0.0994	0.09753		mg/Kg		98	70 - 130	14	35
Toluene	<0.00200	U	0.0994	0.09460		mg/Kg		95	70 - 130	8	35
Ethylbenzene	<0.00200	U	0.0994	0.09349		mg/Kg		94	70 - 130	10	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.1700		mg/Kg		86	70 - 130	11	35
o-Xylene	<0.00200	U	0.0994	0.08917		mg/Kg		90	70 - 130	12	35

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-18561-21 MSD
Matrix: Solid
Analysis Batch: 33649

Client Sample ID: BH-04 (4'-5')
Prep Type: Total/NA
Prep Batch: 33065

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-33067/5-A
Matrix: Solid
Analysis Batch: 33694

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33067

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 16:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 16:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 16:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/26/22 13:58	09/03/22 16:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 16:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/26/22 13:58	09/03/22 16:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	08/26/22 13:58	09/03/22 16:29	1
1,4-Difluorobenzene (Surr)	116		70 - 130	08/26/22 13:58	09/03/22 16:29	1

Lab Sample ID: LCS 880-33067/1-A
Matrix: Solid
Analysis Batch: 33694

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33067

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09833		mg/Kg		98	70 - 130
Toluene	0.100	0.09744		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.09415		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1722		mg/Kg		86	70 - 130
o-Xylene	0.100	0.09156		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-33067/2-A
Matrix: Solid
Analysis Batch: 33694

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33067

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09032		mg/Kg		90	70 - 130	8	35
Toluene	0.100	0.08861		mg/Kg		89	70 - 130	9	35
Ethylbenzene	0.100	0.08351		mg/Kg		84	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.1563		mg/Kg		78	70 - 130	10	35
o-Xylene	0.100	0.08252		mg/Kg		83	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-33067/2-A
Matrix: Solid
Analysis Batch: 33694

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33067

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

Lab Sample ID: 880-18561-41 MS
Matrix: Solid
Analysis Batch: 33694

Client Sample ID: BH-08 (2'-3')
Prep Type: Total/NA
Prep Batch: 33067

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
	Benzene	<0.00201	U F1	0.101	0.04596				
Toluene	<0.00201	U F1	0.101	0.02704	F1	mg/Kg	26	70 - 130	
Ethylbenzene	<0.00201	U F1	0.101	0.02527	F1	mg/Kg	25	70 - 130	
m-Xylene & p-Xylene	<0.00402	U F1	0.202	0.05221	F1	mg/Kg	25	70 - 130	
o-Xylene	<0.00201	U F1	0.101	0.03159	F1	mg/Kg	31	70 - 130	

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	122		70 - 130

Lab Sample ID: 880-18561-41 MSD
Matrix: Solid
Analysis Batch: 33694

Client Sample ID: BH-08 (2'-3')
Prep Type: Total/NA
Prep Batch: 33067

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
	Benzene	<0.00201	U F1	0.0994	<0.00199						
Toluene	<0.00201	U F1	0.0994	<0.00199	U F1	mg/Kg	0	70 - 130	NC	35	
Ethylbenzene	<0.00201	U F1	0.0994	<0.00199	U F1	mg/Kg	0	70 - 130	NC	35	
m-Xylene & p-Xylene	<0.00402	U F1	0.199	<0.00398	U F1	mg/Kg	0	70 - 130	NC	35	
o-Xylene	<0.00201	U F1	0.0994	<0.00199	U F1	mg/Kg	0	70 - 130	NC	35	

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	79		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: MB 880-33569/5-A
Matrix: Solid
Analysis Batch: 33649

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33569

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Benzene	<0.00200	U	0.00200					
Toluene	<0.00200	U	0.00200		mg/Kg	09/01/22 16:28	09/02/22 17:19	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg	09/01/22 16:28	09/02/22 17:19	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg	09/01/22 16:28	09/02/22 17:19	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg	09/01/22 16:28	09/02/22 17:19	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg	09/01/22 16:28	09/02/22 17:19	1	

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130	09/01/22 16:28	09/02/22 17:19	1
1,4-Difluorobenzene (Surr)	120		70 - 130	09/01/22 16:28	09/02/22 17:19	1

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-33571/5-A
 Matrix: Solid
 Analysis Batch: 33586

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 33571

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:43	09/02/22 21:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:43	09/02/22 21:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:43	09/02/22 21:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/01/22 16:43	09/02/22 21:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/01/22 16:43	09/02/22 21:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/01/22 16:43	09/02/22 21:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	09/01/22 16:43	09/02/22 21:10	1
1,4-Difluorobenzene (Surr)	86		70 - 130	09/01/22 16:43	09/02/22 21:10	1

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

Lab Sample ID: MB 880-33068/1-A
 Matrix: Solid
 Analysis Batch: 33131

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 33068

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		08/26/22 14:12	08/28/22 11:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 11:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 14:12	08/28/22 11:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	08/26/22 14:12	08/28/22 11:13	1
o-Terphenyl	104		70 - 130	08/26/22 14:12	08/28/22 11:13	1

Lab Sample ID: LCS 880-33068/2-A
 Matrix: Solid
 Analysis Batch: 33131

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 33068

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	886.9		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1058		mg/Kg		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	164	S1+	70 - 130
o-Terphenyl	161	S1+	70 - 130

Lab Sample ID: LCSD 880-33068/3-A
 Matrix: Solid
 Analysis Batch: 33131

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 33068

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	854.8		mg/Kg		85	70 - 130	4	20

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-33068/3-A
 Matrix: Solid
 Analysis Batch: 33131

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 33068

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)	1000	1064		mg/Kg		106	70 - 130	1	20
Surrogate		LCSD %Recovery	LCSD Qualifier						Limits
1-Chlorooctane		189	S1+						70 - 130
o-Terphenyl		160	S1+						70 - 130

Lab Sample ID: 880-18561-1 MS
 Matrix: Solid
 Analysis Batch: 33131

Client Sample ID: BH-06 (0'-1')
 Prep Type: Total/NA
 Prep Batch: 33068

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	814.1		mg/Kg		81	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	949.5		mg/Kg		93	70 - 130		
Surrogate		MS %Recovery		MS Qualifier							Limits
1-Chlorooctane		91									70 - 130
o-Terphenyl		83									70 - 130

Lab Sample ID: 880-18561-1 MSD
 Matrix: Solid
 Analysis Batch: 33131

Client Sample ID: BH-06 (0'-1')
 Prep Type: Total/NA
 Prep Batch: 33068

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	998	822.7		mg/Kg		82	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	987.7		mg/Kg		97	70 - 130	4	20
Surrogate		MSD %Recovery		MSD Qualifier							Limits
1-Chlorooctane		94									70 - 130
o-Terphenyl		87									70 - 130

Lab Sample ID: MB 880-33070/1-A
 Matrix: Solid
 Analysis Batch: 33133

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 33070

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		08/26/22 14:15	08/28/22 11:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:15	08/28/22 11:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 14:15	08/28/22 11:13	1
Surrogate		MB %Recovery		MB Qualifier			Prepared	Analyzed	Dil Fac
1-Chlorooctane		93					08/26/22 14:15	08/28/22 11:13	1
o-Terphenyl		98					08/26/22 14:15	08/28/22 11:13	1

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-33070/2-A
Matrix: Solid
Analysis Batch: 33133

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33070

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
							Lower	Upper
Gasoline Range Organics (GRO)-C6-C10	1000	948.4		mg/Kg		95	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1004		mg/Kg		100	70 - 130	
		LCS	LCS					
Surrogate	%Recovery	Qualifier	Limits					
1-Chlorooctane	174	S1+	70 - 130					
o-Terphenyl	170	S1+	70 - 130					

Lab Sample ID: LCSD 880-33070/3-A
Matrix: Solid
Analysis Batch: 33133

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33070

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	1009		mg/Kg		101	70 - 130	6	20	
Diesel Range Organics (Over C10-C28)	1000	997.4		mg/Kg		100	70 - 130	1	20	
		LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	173	S1+	70 - 130							
o-Terphenyl	169	S1+	70 - 130							

Lab Sample ID: 880-18561-21 MS
Matrix: Solid
Analysis Batch: 33133

Client Sample ID: BH-04 (4'-5')
Prep Type: Total/NA
Prep Batch: 33070

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
									Lower	Upper
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1 F2	999	419.6	F1	mg/Kg		39	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U F1 F2	999	502.0	F1	mg/Kg		48	70 - 130	
		MS	MS							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	58	S1-	70 - 130							
o-Terphenyl	47	S1-	70 - 130							

Lab Sample ID: 880-18561-21 MSD
Matrix: Solid
Analysis Batch: 33133

Client Sample ID: BH-04 (4'-5')
Prep Type: Total/NA
Prep Batch: 33070

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	<49.9	U F1 F2	998	90.54	F1 F2	mg/Kg		6	70 - 130	129	20	
Diesel Range Organics (Over C10-C28)	<49.9	U F1 F2	998	<49.9	U F1 F2	mg/Kg		-0.3	70 - 130	188	20	
		MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	78		70 - 130									

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-18561-21 MSD
Matrix: Solid
Analysis Batch: 33133

Client Sample ID: BH-04 (4'-5')
Prep Type: Total/NA
Prep Batch: 33070

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl	76		70 - 130

Lab Sample ID: MB 880-33071/1-A
Matrix: Solid
Analysis Batch: 33133

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33071

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		08/26/22 14:19	08/28/22 21:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 14:19	08/28/22 21:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 14:19	08/28/22 21:00	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
<i>1</i> -Chlorooctane	101		70 - 130	08/26/22 14:19	08/28/22 21:00	1
<i>o</i> -Terphenyl	104		70 - 130	08/26/22 14:19	08/28/22 21:00	1

Lab Sample ID: LCS 880-33071/2-A
Matrix: Solid
Analysis Batch: 33133

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33071

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	908.6		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	1000	975.5		mg/Kg		98	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
<i>1</i> -Chlorooctane	170	S1+	70 - 130
<i>o</i> -Terphenyl	162	S1+	70 - 130

Lab Sample ID: LCSD 880-33071/3-A
Matrix: Solid
Analysis Batch: 33133

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33071

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	935.9		mg/Kg		94	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1017		mg/Kg		102	70 - 130	4	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
<i>1</i> -Chlorooctane	178	S1+	70 - 130
<i>o</i> -Terphenyl	169	S1+	70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-18561-41 MS
 Matrix: Solid
 Analysis Batch: 33133

Client Sample ID: BH-08 (2'-3')
 Prep Type: Total/NA
 Prep Batch: 33071

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	999	801.5		mg/Kg		78		70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	831.8		mg/Kg		83		70 - 130
Surrogate	MS	MS								
	%Recovery	Qualifier	Limits							
1-Chlorooctane	81		70 - 130							
o-Terphenyl	72		70 - 130							

Lab Sample ID: 880-18561-41 MSD
 Matrix: Solid
 Analysis Batch: 33133

Client Sample ID: BH-08 (2'-3')
 Prep Type: Total/NA
 Prep Batch: 33071

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier								
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	952.3		mg/Kg		93		70 - 130	17		20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	929.7		mg/Kg		93		70 - 130	11		20
Surrogate	MSD	MSD											
	%Recovery	Qualifier	Limits										
1-Chlorooctane	90		70 - 130										
o-Terphenyl	79		70 - 130										

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-33062/1-A
 Matrix: Solid
 Analysis Batch: 33255

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			08/30/22 08:45	1

Lab Sample ID: LCS 880-33062/2-A
 Matrix: Solid
 Analysis Batch: 33255

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	Limits
Chloride	250	253.6		mg/Kg		101		90 - 110

Lab Sample ID: LCSD 880-33062/3-A
 Matrix: Solid
 Analysis Batch: 33255

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

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	Limits	RPD	RPD	Limit
Chloride	250	253.1		mg/Kg		101		90 - 110	0		20

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-18561-1 MS
Matrix: Solid
Analysis Batch: 33255

Client Sample ID: BH-06 (0'-1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5350	F1	2510	8170	F1	mg/Kg		113	90 - 110

Lab Sample ID: 880-18561-1 MSD
Matrix: Solid
Analysis Batch: 33255

Client Sample ID: BH-06 (0'-1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5350	F1	2510	8173	F1	mg/Kg		113	90 - 110	0	20

Lab Sample ID: 880-18561-11 MS
Matrix: Solid
Analysis Batch: 33255

Client Sample ID: BH-05 (2'-3')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	6090	F1	2510	8957	F1	mg/Kg		114	90 - 110

Lab Sample ID: 880-18561-11 MSD
Matrix: Solid
Analysis Batch: 33255

Client Sample ID: BH-05 (2'-3')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	6090	F1	2510	8716		mg/Kg		105	90 - 110	3	20

Lab Sample ID: MB 880-33076/1-A
Matrix: Solid
Analysis Batch: 33279

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			08/30/22 04:54	1

Lab Sample ID: LCS 880-33076/2-A
Matrix: Solid
Analysis Batch: 33279

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.0		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-33076/3-A
Matrix: Solid
Analysis Batch: 33279

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	246.3		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-18561-21 MS
Matrix: Solid
Analysis Batch: 33279

Client Sample ID: BH-04 (4'-5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	115		252	355.2		mg/Kg		95	90 - 110

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-18561-21 MSD
 Matrix: Solid
 Analysis Batch: 33279

Client Sample ID: BH-04 (4'-5')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	115		252	354.2		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-18561-31 MS
 Matrix: Solid
 Analysis Batch: 33279

Client Sample ID: BH-03 (14'-15')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	104		249	343.7		mg/Kg		96	90 - 110

Lab Sample ID: 880-18561-31 MSD
 Matrix: Solid
 Analysis Batch: 33279

Client Sample ID: BH-03 (14'-15')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	104		249	343.4		mg/Kg		96	90 - 110	0	20

Lab Sample ID: MB 880-33077/1-A
 Matrix: Solid
 Analysis Batch: 33280

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			08/30/22 08:47	1

Lab Sample ID: LCS 880-33077/2-A
 Matrix: Solid
 Analysis Batch: 33280

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	248.6		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-33077/3-A
 Matrix: Solid
 Analysis Batch: 33280

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	248.5		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-18561-41 MS
 Matrix: Solid
 Analysis Batch: 33280

Client Sample ID: BH-08 (2'-3')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	9110		2490	11640		mg/Kg		102	90 - 110

Lab Sample ID: 880-18561-41 MSD
 Matrix: Solid
 Analysis Batch: 33280

Client Sample ID: BH-08 (2'-3')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	9110		2490	11640		mg/Kg		102	90 - 110	0	20

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-18561-51 MS
Matrix: Solid
Analysis Batch: 33280

Client Sample ID: BH-17 (9'-10')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	135		252	379.2		mg/Kg		97	90 - 110

Lab Sample ID: 880-18561-51 MSD
Matrix: Solid
Analysis Batch: 33280

Client Sample ID: BH-17 (9'-10')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	135		251	377.8		mg/Kg		97	90 - 110	0	20

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

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

GC VOA

Prep Batch: 33064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-1	BH-06 (0'-1')	Total/NA	Solid	5035	
880-18561-2	BH-06 (2'-3')	Total/NA	Solid	5035	
880-18561-3	BH-06 (4'-5')	Total/NA	Solid	5035	
880-18561-4	BH-06 (6'-7')	Total/NA	Solid	5035	
880-18561-5	BH-06 (9'-10')	Total/NA	Solid	5035	
880-18561-6	BH-06 (14'-15')	Total/NA	Solid	5035	
880-18561-7	BH-06 (19'-20')	Total/NA	Solid	5035	
880-18561-8	BH-06 (24'-25')	Total/NA	Solid	5035	
880-18561-9	BH-06 (29'-30')	Total/NA	Solid	5035	
880-18561-10	BH-05 (0'-1')	Total/NA	Solid	5035	
880-18561-11	BH-05 (2'-3')	Total/NA	Solid	5035	
880-18561-12	BH-05 (4'-5')	Total/NA	Solid	5035	
880-18561-13	BH-05 (6'-7')	Total/NA	Solid	5035	
880-18561-14	BH-05 (9'-10')	Total/NA	Solid	5035	
880-18561-15	BH-05 (14'-15')	Total/NA	Solid	5035	
880-18561-16	BH-05 (19'-20')	Total/NA	Solid	5035	
880-18561-17	BH-05 (24'-25')	Total/NA	Solid	5035	
880-18561-18	BH-05 (29'-30')	Total/NA	Solid	5035	
880-18561-19	BH-04 (0'-1')	Total/NA	Solid	5035	
880-18561-20	BH-04 (2'-3')	Total/NA	Solid	5035	
MB 880-33064/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-33064/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-33064/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-18561-1 MS	BH-06 (0'-1')	Total/NA	Solid	5035	
880-18561-1 MSD	BH-06 (0'-1')	Total/NA	Solid	5035	

Prep Batch: 33065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-21	BH-04 (4'-5')	Total/NA	Solid	5035	
880-18561-22	BH-04 (6'-7')	Total/NA	Solid	5035	
880-18561-23	BH-04 (9'-10')	Total/NA	Solid	5035	
880-18561-24	BH-04 (14'-15')	Total/NA	Solid	5035	
880-18561-25	BH-04 (19'-20')	Total/NA	Solid	5035	
880-18561-26	BH-03 (0'-1')	Total/NA	Solid	5035	
880-18561-27	BH-03 (2'-3')	Total/NA	Solid	5035	
880-18561-28	BH-03 (4'-5')	Total/NA	Solid	5035	
880-18561-29	BH-03 (6'-7')	Total/NA	Solid	5035	
880-18561-30	BH-03 (9'-10')	Total/NA	Solid	5035	
880-18561-31	BH-03 (14'-15')	Total/NA	Solid	5035	
880-18561-32	BH-03 (19'-20')	Total/NA	Solid	5035	
880-18561-33	BH-02 (0'-1')	Total/NA	Solid	5035	
880-18561-34	BH-02 ((2'-3')	Total/NA	Solid	5035	
880-18561-35	BH-02 (4'-5')	Total/NA	Solid	5035	
880-18561-36	BH-02 (6'-7')	Total/NA	Solid	5035	
880-18561-37	BH-02 (9'-10')	Total/NA	Solid	5035	
880-18561-38	BH-02 (14'-15')	Total/NA	Solid	5035	
880-18561-39	BH-02 (19'-20')	Total/NA	Solid	5035	
880-18561-40	BH-08 (0'-1')	Total/NA	Solid	5035	
MB 880-33065/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-33065/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-33065/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 33065 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-21 MS	BH-04 (4'-5')	Total/NA	Solid	5035	
880-18561-21 MSD	BH-04 (4'-5')	Total/NA	Solid	5035	

Prep Batch: 33067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-41	BH-08 (2'-3')	Total/NA	Solid	5035	
880-18561-42	BH-08 (4'-5')	Total/NA	Solid	5035	
880-18561-43	BH-08 (6'-7')	Total/NA	Solid	5035	
880-18561-44	BH-08 (9'-10')	Total/NA	Solid	5035	
880-18561-45	BH-08 (14'-15')	Total/NA	Solid	5035	
880-18561-46	BH-08 (19'-20')	Total/NA	Solid	5035	
880-18561-47	BH-17 (0'-1')	Total/NA	Solid	5035	
880-18561-48	BH-17 (2'-3')	Total/NA	Solid	5035	
880-18561-49	BH-17 (4'-5')	Total/NA	Solid	5035	
880-18561-50	BH-17 (6'-7')	Total/NA	Solid	5035	
880-18561-51	BH-17 (9'-10')	Total/NA	Solid	5035	
880-18561-52	BH-18 (0'-1')	Total/NA	Solid	5035	
880-18561-53	BH-18 (2'-3')	Total/NA	Solid	5035	
880-18561-54	BH-18 (4'-5')	Total/NA	Solid	5035	
880-18561-55	BH-18 (6'-7')	Total/NA	Solid	5035	
880-18561-56	BH-18 (9'-10')	Total/NA	Solid	5035	
MB 880-33067/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-33067/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-33067/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-18561-41 MS	BH-08 (2'-3')	Total/NA	Solid	5035	
880-18561-41 MSD	BH-08 (2'-3')	Total/NA	Solid	5035	

Prep Batch: 33569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-33569/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 33571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-33571/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 33586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-1	BH-06 (0'-1')	Total/NA	Solid	8021B	33064
880-18561-2	BH-06 (2'-3')	Total/NA	Solid	8021B	33064
880-18561-3	BH-06 (4'-5')	Total/NA	Solid	8021B	33064
880-18561-4	BH-06 (6'-7')	Total/NA	Solid	8021B	33064
880-18561-5	BH-06 (9'-10')	Total/NA	Solid	8021B	33064
880-18561-6	BH-06 (14'-15')	Total/NA	Solid	8021B	33064
880-18561-7	BH-06 (19'-20')	Total/NA	Solid	8021B	33064
880-18561-8	BH-06 (24'-25')	Total/NA	Solid	8021B	33064
880-18561-9	BH-06 (29'-30')	Total/NA	Solid	8021B	33064
880-18561-10	BH-05 (0'-1')	Total/NA	Solid	8021B	33064
880-18561-11	BH-05 (2'-3')	Total/NA	Solid	8021B	33064
880-18561-12	BH-05 (4'-5')	Total/NA	Solid	8021B	33064
880-18561-13	BH-05 (6'-7')	Total/NA	Solid	8021B	33064
880-18561-14	BH-05 (9'-10')	Total/NA	Solid	8021B	33064

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QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 33586 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-15	BH-05 (14'-15')	Total/NA	Solid	8021B	33064
880-18561-16	BH-05 (19'-20')	Total/NA	Solid	8021B	33064
880-18561-17	BH-05 (24'-25')	Total/NA	Solid	8021B	33064
880-18561-18	BH-05 (29'-30')	Total/NA	Solid	8021B	33064
880-18561-19	BH-04 (0'-1')	Total/NA	Solid	8021B	33064
880-18561-20	BH-04 (2'-3')	Total/NA	Solid	8021B	33064
MB 880-33064/5-A	Method Blank	Total/NA	Solid	8021B	33064
MB 880-33571/5-A	Method Blank	Total/NA	Solid	8021B	33571
LCS 880-33064/1-A	Lab Control Sample	Total/NA	Solid	8021B	33064
LCSD 880-33064/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	33064
880-18561-1 MS	BH-06 (0'-1')	Total/NA	Solid	8021B	33064
880-18561-1 MSD	BH-06 (0'-1')	Total/NA	Solid	8021B	33064

Analysis Batch: 33649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-21	BH-04 (4'-5')	Total/NA	Solid	8021B	33065
880-18561-22	BH-04 (6'-7')	Total/NA	Solid	8021B	33065
880-18561-23	BH-04 (9'-10')	Total/NA	Solid	8021B	33065
880-18561-24	BH-04 (14'-15')	Total/NA	Solid	8021B	33065
880-18561-25	BH-04 (19'-20')	Total/NA	Solid	8021B	33065
880-18561-26	BH-03 (0'-1')	Total/NA	Solid	8021B	33065
880-18561-27	BH-03 (2'-3')	Total/NA	Solid	8021B	33065
880-18561-28	BH-03 (4'-5')	Total/NA	Solid	8021B	33065
880-18561-29	BH-03 (6'-7')	Total/NA	Solid	8021B	33065
880-18561-30	BH-03 (9'-10')	Total/NA	Solid	8021B	33065
880-18561-31	BH-03 (14'-15')	Total/NA	Solid	8021B	33065
880-18561-32	BH-03 (19'-20')	Total/NA	Solid	8021B	33065
880-18561-33	BH-02 (0'-1')	Total/NA	Solid	8021B	33065
880-18561-34	BH-02 ((2'-3')	Total/NA	Solid	8021B	33065
880-18561-35	BH-02 (4'-5')	Total/NA	Solid	8021B	33065
880-18561-36	BH-02 (6'-7')	Total/NA	Solid	8021B	33065
880-18561-37	BH-02 (9'-10')	Total/NA	Solid	8021B	33065
880-18561-38	BH-02 (14'-15')	Total/NA	Solid	8021B	33065
880-18561-39	BH-02 (19'-20')	Total/NA	Solid	8021B	33065
880-18561-40	BH-08 (0'-1')	Total/NA	Solid	8021B	33065
MB 880-33065/5-A	Method Blank	Total/NA	Solid	8021B	33065
MB 880-33569/5-A	Method Blank	Total/NA	Solid	8021B	33569
LCS 880-33065/1-A	Lab Control Sample	Total/NA	Solid	8021B	33065
LCSD 880-33065/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	33065
880-18561-21 MS	BH-04 (4'-5')	Total/NA	Solid	8021B	33065
880-18561-21 MSD	BH-04 (4'-5')	Total/NA	Solid	8021B	33065

Analysis Batch: 33694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-41	BH-08 (2'-3')	Total/NA	Solid	8021B	33067
880-18561-42	BH-08 (4'-5')	Total/NA	Solid	8021B	33067
880-18561-43	BH-08 (6'-7')	Total/NA	Solid	8021B	33067
880-18561-44	BH-08 (9'-10')	Total/NA	Solid	8021B	33067
880-18561-45	BH-08 14'-15')	Total/NA	Solid	8021B	33067
880-18561-46	BH-08 (19'-20')	Total/NA	Solid	8021B	33067
880-18561-47	BH-17 (0'-1')	Total/NA	Solid	8021B	33067

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QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 33694 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-48	BH-17 (2'-3')	Total/NA	Solid	8021B	33067
880-18561-49	BH-17 (4'-5')	Total/NA	Solid	8021B	33067
880-18561-50	BH-17 (6'-7')	Total/NA	Solid	8021B	33067
880-18561-51	BH-17 (9'-10')	Total/NA	Solid	8021B	33067
880-18561-52	BH-18 (0'-1')	Total/NA	Solid	8021B	33067
880-18561-53	BH-18 (2'-3')	Total/NA	Solid	8021B	33067
880-18561-54	BH-18 (4'-5')	Total/NA	Solid	8021B	33067
880-18561-55	BH-18 (6'-7')	Total/NA	Solid	8021B	33067
880-18561-56	BH-18 (9'-10')	Total/NA	Solid	8021B	33067
MB 880-33067/5-A	Method Blank	Total/NA	Solid	8021B	33067
LCS 880-33067/1-A	Lab Control Sample	Total/NA	Solid	8021B	33067
LCS 880-33067/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	33067
880-18561-41 MS	BH-08 (2'-3')	Total/NA	Solid	8021B	33067
880-18561-41 MSD	BH-08 (2'-3')	Total/NA	Solid	8021B	33067

Analysis Batch: 33703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-1	BH-06 (0'-1')	Total/NA	Solid	Total BTEX	
880-18561-2	BH-06 (2'-3')	Total/NA	Solid	Total BTEX	
880-18561-3	BH-06 (4'-5')	Total/NA	Solid	Total BTEX	
880-18561-4	BH-06 (6'-7')	Total/NA	Solid	Total BTEX	
880-18561-5	BH-06 (9'-10')	Total/NA	Solid	Total BTEX	
880-18561-6	BH-06 (14'-15')	Total/NA	Solid	Total BTEX	
880-18561-7	BH-06 (19'-20')	Total/NA	Solid	Total BTEX	
880-18561-8	BH-06 (24'-25')	Total/NA	Solid	Total BTEX	
880-18561-9	BH-06 (29'-30')	Total/NA	Solid	Total BTEX	
880-18561-10	BH-05 (0'-1')	Total/NA	Solid	Total BTEX	
880-18561-11	BH-05 (2'-3')	Total/NA	Solid	Total BTEX	
880-18561-12	BH-05 (4'-5')	Total/NA	Solid	Total BTEX	
880-18561-13	BH-05 (6'-7')	Total/NA	Solid	Total BTEX	
880-18561-14	BH-05 (9'-10')	Total/NA	Solid	Total BTEX	
880-18561-15	BH-05 (14'-15')	Total/NA	Solid	Total BTEX	
880-18561-16	BH-05 (19'-20')	Total/NA	Solid	Total BTEX	
880-18561-17	BH-05 (24'-25')	Total/NA	Solid	Total BTEX	
880-18561-18	BH-05 (29'-30')	Total/NA	Solid	Total BTEX	
880-18561-19	BH-04 (0'-1')	Total/NA	Solid	Total BTEX	
880-18561-20	BH-04 (2'-3')	Total/NA	Solid	Total BTEX	
880-18561-21	BH-04 (4'-5')	Total/NA	Solid	Total BTEX	
880-18561-22	BH-04 (6'-7')	Total/NA	Solid	Total BTEX	
880-18561-23	BH-04 (9'-10')	Total/NA	Solid	Total BTEX	
880-18561-24	BH-04 (14'-15')	Total/NA	Solid	Total BTEX	
880-18561-25	BH-04 (19'-20')	Total/NA	Solid	Total BTEX	
880-18561-26	BH-03 (0'-1')	Total/NA	Solid	Total BTEX	
880-18561-27	BH-03 (2'-3')	Total/NA	Solid	Total BTEX	
880-18561-28	BH-03 (4'-5')	Total/NA	Solid	Total BTEX	
880-18561-29	BH-03 (6'-7')	Total/NA	Solid	Total BTEX	
880-18561-30	BH-03 (9'-10')	Total/NA	Solid	Total BTEX	
880-18561-31	BH-03 (14'-15')	Total/NA	Solid	Total BTEX	
880-18561-32	BH-03 (19'-20')	Total/NA	Solid	Total BTEX	
880-18561-33	BH-02 (0'-1')	Total/NA	Solid	Total BTEX	
880-18561-34	BH-02 ((2'-3')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 33703 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-35	BH-02 (4'-5')	Total/NA	Solid	Total BTEX	
880-18561-36	BH-02 (6'-7')	Total/NA	Solid	Total BTEX	
880-18561-37	BH-02 (9'-10')	Total/NA	Solid	Total BTEX	
880-18561-38	BH-02 (14'-15')	Total/NA	Solid	Total BTEX	
880-18561-39	BH-02 (19'-20')	Total/NA	Solid	Total BTEX	
880-18561-40	BH-08 (0'-1')	Total/NA	Solid	Total BTEX	
880-18561-41	BH-08 (2'-3')	Total/NA	Solid	Total BTEX	
880-18561-42	BH-08 (4'-5')	Total/NA	Solid	Total BTEX	
880-18561-43	BH-08 (6'-7')	Total/NA	Solid	Total BTEX	
880-18561-44	BH-08 (9'-10')	Total/NA	Solid	Total BTEX	
880-18561-45	BH-08 14'-15')	Total/NA	Solid	Total BTEX	
880-18561-46	BH-08 (19'-20')	Total/NA	Solid	Total BTEX	
880-18561-47	BH-17 (0'-1')	Total/NA	Solid	Total BTEX	
880-18561-48	BH-17 (2'-3')	Total/NA	Solid	Total BTEX	
880-18561-49	BH-17 (4'-5')	Total/NA	Solid	Total BTEX	
880-18561-50	BH-17 (6'-7')	Total/NA	Solid	Total BTEX	
880-18561-51	BH-17 (9'-10')	Total/NA	Solid	Total BTEX	
880-18561-52	BH-18 (0'-1')	Total/NA	Solid	Total BTEX	
880-18561-53	BH-18 (2'-3')	Total/NA	Solid	Total BTEX	
880-18561-54	BH-18 (4'-5')	Total/NA	Solid	Total BTEX	
880-18561-55	BH-18 (6'-7')	Total/NA	Solid	Total BTEX	
880-18561-56	BH-18 (9'-10')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 33068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-1	BH-06 (0'-1')	Total/NA	Solid	8015NM Prep	
880-18561-2	BH-06 (2'-3')	Total/NA	Solid	8015NM Prep	
880-18561-3	BH-06 (4'-5')	Total/NA	Solid	8015NM Prep	
880-18561-4	BH-06 (6'-7')	Total/NA	Solid	8015NM Prep	
880-18561-5	BH-06 (9'-10')	Total/NA	Solid	8015NM Prep	
880-18561-6	BH-06 (14'-15')	Total/NA	Solid	8015NM Prep	
880-18561-7	BH-06 (19'-20')	Total/NA	Solid	8015NM Prep	
880-18561-8	BH-06 (24'-25')	Total/NA	Solid	8015NM Prep	
880-18561-9	BH-06 (29'-30')	Total/NA	Solid	8015NM Prep	
880-18561-10	BH-05 (0'-1')	Total/NA	Solid	8015NM Prep	
880-18561-11	BH-05 (2'-3')	Total/NA	Solid	8015NM Prep	
880-18561-12	BH-05 (4'-5')	Total/NA	Solid	8015NM Prep	
880-18561-13	BH-05 (6'-7')	Total/NA	Solid	8015NM Prep	
880-18561-14	BH-05 (9'-10')	Total/NA	Solid	8015NM Prep	
880-18561-15	BH-05 (14'-15')	Total/NA	Solid	8015NM Prep	
880-18561-16	BH-05 (19'-20')	Total/NA	Solid	8015NM Prep	
880-18561-17	BH-05 (24'-25')	Total/NA	Solid	8015NM Prep	
880-18561-18	BH-05 (29'-30')	Total/NA	Solid	8015NM Prep	
880-18561-19	BH-04 (0'-1')	Total/NA	Solid	8015NM Prep	
880-18561-20	BH-04 (2'-3')	Total/NA	Solid	8015NM Prep	
MB 880-33068/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-33068/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-33068/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-18561-1 MS	BH-06 (0'-1')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 33068 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-1 MSD	BH-06 (0'-1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 33070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-21	BH-04 (4'-5')	Total/NA	Solid	8015NM Prep	
880-18561-22	BH-04 (6'-7')	Total/NA	Solid	8015NM Prep	
880-18561-23	BH-04 (9'-10')	Total/NA	Solid	8015NM Prep	
880-18561-24	BH-04 (14'-15')	Total/NA	Solid	8015NM Prep	
880-18561-25	BH-04 (19'-20')	Total/NA	Solid	8015NM Prep	
880-18561-26	BH-03 (0'-1')	Total/NA	Solid	8015NM Prep	
880-18561-27	BH-03 (2'-3')	Total/NA	Solid	8015NM Prep	
880-18561-28	BH-03 (4'-5')	Total/NA	Solid	8015NM Prep	
880-18561-29	BH-03 (6'-7')	Total/NA	Solid	8015NM Prep	
880-18561-30	BH-03 (9'-10')	Total/NA	Solid	8015NM Prep	
880-18561-31	BH-03 (14'-15')	Total/NA	Solid	8015NM Prep	
880-18561-32	BH-03 (19'-20')	Total/NA	Solid	8015NM Prep	
880-18561-33	BH-02 (0'-1')	Total/NA	Solid	8015NM Prep	
880-18561-34	BH-02 ((2'-3')	Total/NA	Solid	8015NM Prep	
880-18561-35	BH-02 (4'-5')	Total/NA	Solid	8015NM Prep	
880-18561-36	BH-02 (6'-7')	Total/NA	Solid	8015NM Prep	
880-18561-37	BH-02 (9'-10')	Total/NA	Solid	8015NM Prep	
880-18561-38	BH-02 (14'-15')	Total/NA	Solid	8015NM Prep	
880-18561-39	BH-02 (19'-20')	Total/NA	Solid	8015NM Prep	
880-18561-40	BH-08 (0'-1')	Total/NA	Solid	8015NM Prep	
MB 880-33070/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-33070/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-33070/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-18561-21 MS	BH-04 (4'-5')	Total/NA	Solid	8015NM Prep	
880-18561-21 MSD	BH-04 (4'-5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 33071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-41	BH-08 (2'-3')	Total/NA	Solid	8015NM Prep	
880-18561-42	BH-08 (4'-5')	Total/NA	Solid	8015NM Prep	
880-18561-43	BH-08 (6'-7')	Total/NA	Solid	8015NM Prep	
880-18561-44	BH-08 (9'-10')	Total/NA	Solid	8015NM Prep	
880-18561-45	BH-08 14'-15')	Total/NA	Solid	8015NM Prep	
880-18561-46	BH-08 (19'-20')	Total/NA	Solid	8015NM Prep	
880-18561-47	BH-17 (0'-1')	Total/NA	Solid	8015NM Prep	
880-18561-48	BH-17 (2'-3')	Total/NA	Solid	8015NM Prep	
880-18561-49	BH-17 (4'-5')	Total/NA	Solid	8015NM Prep	
880-18561-50	BH-17 (6'-7')	Total/NA	Solid	8015NM Prep	
880-18561-51	BH-17 (9'-10')	Total/NA	Solid	8015NM Prep	
880-18561-52	BH-18 (0'-1')	Total/NA	Solid	8015NM Prep	
880-18561-53	BH-18 (2'-3')	Total/NA	Solid	8015NM Prep	
880-18561-54	BH-18 (4'-5')	Total/NA	Solid	8015NM Prep	
880-18561-55	BH-18 (6'-7')	Total/NA	Solid	8015NM Prep	
880-18561-56	BH-18 (9'-10')	Total/NA	Solid	8015NM Prep	
MB 880-33071/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-33071/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-33071/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 33071 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-41 MS	BH-08 (2'-3')	Total/NA	Solid	8015NM Prep	
880-18561-41 MSD	BH-08 (2'-3')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 33131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-1	BH-06 (0'-1')	Total/NA	Solid	8015B NM	33068
880-18561-2	BH-06 (2'-3')	Total/NA	Solid	8015B NM	33068
880-18561-3	BH-06 (4'-5')	Total/NA	Solid	8015B NM	33068
880-18561-4	BH-06 (6'-7')	Total/NA	Solid	8015B NM	33068
880-18561-5	BH-06 (9'-10')	Total/NA	Solid	8015B NM	33068
880-18561-6	BH-06 (14'-15')	Total/NA	Solid	8015B NM	33068
880-18561-7	BH-06 (19'-20')	Total/NA	Solid	8015B NM	33068
880-18561-8	BH-06 (24'-25')	Total/NA	Solid	8015B NM	33068
880-18561-9	BH-06 (29'-30')	Total/NA	Solid	8015B NM	33068
880-18561-10	BH-05 (0'-1')	Total/NA	Solid	8015B NM	33068
880-18561-11	BH-05 (2'-3')	Total/NA	Solid	8015B NM	33068
880-18561-12	BH-05 (4'-5')	Total/NA	Solid	8015B NM	33068
880-18561-13	BH-05 (6'-7')	Total/NA	Solid	8015B NM	33068
880-18561-14	BH-05 (9'-10')	Total/NA	Solid	8015B NM	33068
880-18561-15	BH-05 (14'-15')	Total/NA	Solid	8015B NM	33068
880-18561-16	BH-05 (19'-20')	Total/NA	Solid	8015B NM	33068
880-18561-17	BH-05 (24'-25')	Total/NA	Solid	8015B NM	33068
880-18561-18	BH-05 (29'-30')	Total/NA	Solid	8015B NM	33068
880-18561-19	BH-04 (0'-1')	Total/NA	Solid	8015B NM	33068
880-18561-20	BH-04 (2'-3')	Total/NA	Solid	8015B NM	33068
880-18561-49	BH-17 (4'-5')	Total/NA	Solid	8015B NM	33071
880-18561-50	BH-17 (6'-7')	Total/NA	Solid	8015B NM	33071
880-18561-51	BH-17 (9'-10')	Total/NA	Solid	8015B NM	33071
880-18561-52	BH-18 (0'-1')	Total/NA	Solid	8015B NM	33071
880-18561-53	BH-18 (2'-3')	Total/NA	Solid	8015B NM	33071
880-18561-54	BH-18 (4'-5')	Total/NA	Solid	8015B NM	33071
880-18561-55	BH-18 (6'-7')	Total/NA	Solid	8015B NM	33071
880-18561-56	BH-18 (9'-10')	Total/NA	Solid	8015B NM	33071
MB 880-33068/1-A	Method Blank	Total/NA	Solid	8015B NM	33068
LCS 880-33068/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	33068
LCSD 880-33068/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	33068
880-18561-1 MS	BH-06 (0'-1')	Total/NA	Solid	8015B NM	33068
880-18561-1 MSD	BH-06 (0'-1')	Total/NA	Solid	8015B NM	33068

Analysis Batch: 33133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-21	BH-04 (4'-5')	Total/NA	Solid	8015B NM	33070
880-18561-22	BH-04 (6'-7')	Total/NA	Solid	8015B NM	33070
880-18561-23	BH-04 (9'-10')	Total/NA	Solid	8015B NM	33070
880-18561-24	BH-04 (14'-15')	Total/NA	Solid	8015B NM	33070
880-18561-25	BH-04 (19'-20')	Total/NA	Solid	8015B NM	33070
880-18561-26	BH-03 (0'-1')	Total/NA	Solid	8015B NM	33070
880-18561-27	BH-03 (2'-3')	Total/NA	Solid	8015B NM	33070
880-18561-28	BH-03 (4'-5')	Total/NA	Solid	8015B NM	33070
880-18561-29	BH-03 (6'-7')	Total/NA	Solid	8015B NM	33070
880-18561-30	BH-03 (9'-10')	Total/NA	Solid	8015B NM	33070

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.

Job ID: 880-18561-1

Project/Site: Bronco Water Release Revelation Pond

SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 33133 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-31	BH-03 (14'-15')	Total/NA	Solid	8015B NM	33070
880-18561-32	BH-03 (19'-20')	Total/NA	Solid	8015B NM	33070
880-18561-33	BH-02 (0'-1')	Total/NA	Solid	8015B NM	33070
880-18561-34	BH-02 ((2'-3')	Total/NA	Solid	8015B NM	33070
880-18561-35	BH-02 (4'-5')	Total/NA	Solid	8015B NM	33070
880-18561-36	BH-02 (6'-7')	Total/NA	Solid	8015B NM	33070
880-18561-37	BH-02 (9'-10')	Total/NA	Solid	8015B NM	33070
880-18561-38	BH-02 (14'-15')	Total/NA	Solid	8015B NM	33070
880-18561-39	BH-02 (19'-20')	Total/NA	Solid	8015B NM	33070
880-18561-40	BH-08 (0'-1')	Total/NA	Solid	8015B NM	33070
880-18561-41	BH-08 (2'-3')	Total/NA	Solid	8015B NM	33071
880-18561-42	BH-08 (4'-5')	Total/NA	Solid	8015B NM	33071
880-18561-43	BH-08 (6'-7')	Total/NA	Solid	8015B NM	33071
880-18561-44	BH-08 (9'-10')	Total/NA	Solid	8015B NM	33071
880-18561-45	BH-08 14'-15')	Total/NA	Solid	8015B NM	33071
880-18561-46	BH-08 (19'-20')	Total/NA	Solid	8015B NM	33071
880-18561-47	BH-17 (0'-1')	Total/NA	Solid	8015B NM	33071
880-18561-48	BH-17 (2'-3')	Total/NA	Solid	8015B NM	33071
MB 880-33070/1-A	Method Blank	Total/NA	Solid	8015B NM	33070
MB 880-33071/1-A	Method Blank	Total/NA	Solid	8015B NM	33071
LCS 880-33070/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	33070
LCS 880-33071/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	33071
LCSD 880-33070/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	33070
LCSD 880-33071/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	33071
880-18561-21 MS	BH-04 (4'-5')	Total/NA	Solid	8015B NM	33070
880-18561-21 MSD	BH-04 (4'-5')	Total/NA	Solid	8015B NM	33070
880-18561-41 MS	BH-08 (2'-3')	Total/NA	Solid	8015B NM	33071
880-18561-41 MSD	BH-08 (2'-3')	Total/NA	Solid	8015B NM	33071

Analysis Batch: 33272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-1	BH-06 (0'-1')	Total/NA	Solid	8015 NM	
880-18561-2	BH-06 (2'-3')	Total/NA	Solid	8015 NM	
880-18561-3	BH-06 (4'-5')	Total/NA	Solid	8015 NM	
880-18561-4	BH-06 (6'-7')	Total/NA	Solid	8015 NM	
880-18561-5	BH-06 (9'-10')	Total/NA	Solid	8015 NM	
880-18561-6	BH-06 (14'-15')	Total/NA	Solid	8015 NM	
880-18561-7	BH-06 (19'-20')	Total/NA	Solid	8015 NM	
880-18561-8	BH-06 (24'-25')	Total/NA	Solid	8015 NM	
880-18561-9	BH-06 (29'-30')	Total/NA	Solid	8015 NM	
880-18561-10	BH-05 (0'-1')	Total/NA	Solid	8015 NM	
880-18561-11	BH-05 (2'-3')	Total/NA	Solid	8015 NM	
880-18561-12	BH-05 (4'-5')	Total/NA	Solid	8015 NM	
880-18561-13	BH-05 (6'-7')	Total/NA	Solid	8015 NM	
880-18561-14	BH-05 (9'-10')	Total/NA	Solid	8015 NM	
880-18561-15	BH-05 (14'-15')	Total/NA	Solid	8015 NM	
880-18561-16	BH-05 (19'-20')	Total/NA	Solid	8015 NM	
880-18561-17	BH-05 (24'-25')	Total/NA	Solid	8015 NM	
880-18561-18	BH-05 (29'-30')	Total/NA	Solid	8015 NM	
880-18561-19	BH-04 (0'-1')	Total/NA	Solid	8015 NM	
880-18561-20	BH-04 (2'-3')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 33272 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-21	BH-04 (4'-5')	Total/NA	Solid	8015 NM	
880-18561-22	BH-04 (6'-7')	Total/NA	Solid	8015 NM	
880-18561-23	BH-04 (9'-10')	Total/NA	Solid	8015 NM	
880-18561-24	BH-04 (14'-15')	Total/NA	Solid	8015 NM	
880-18561-25	BH-04 (19'-20')	Total/NA	Solid	8015 NM	
880-18561-26	BH-03 (0'-1')	Total/NA	Solid	8015 NM	
880-18561-27	BH-03 (2'-3')	Total/NA	Solid	8015 NM	
880-18561-28	BH-03 (4'-5')	Total/NA	Solid	8015 NM	
880-18561-29	BH-03 (6'-7')	Total/NA	Solid	8015 NM	
880-18561-30	BH-03 (9'-10')	Total/NA	Solid	8015 NM	
880-18561-31	BH-03 (14'-15')	Total/NA	Solid	8015 NM	
880-18561-32	BH-03 (19'-20')	Total/NA	Solid	8015 NM	
880-18561-33	BH-02 (0'-1')	Total/NA	Solid	8015 NM	
880-18561-34	BH-02 ((2'-3')	Total/NA	Solid	8015 NM	
880-18561-35	BH-02 (4'-5')	Total/NA	Solid	8015 NM	
880-18561-36	BH-02 (6'-7')	Total/NA	Solid	8015 NM	
880-18561-37	BH-02 (9'-10')	Total/NA	Solid	8015 NM	
880-18561-38	BH-02 (14'-15')	Total/NA	Solid	8015 NM	
880-18561-39	BH-02 (19'-20')	Total/NA	Solid	8015 NM	
880-18561-40	BH-08 (0'-1')	Total/NA	Solid	8015 NM	
880-18561-41	BH-08 (2'-3')	Total/NA	Solid	8015 NM	
880-18561-42	BH-08 (4'-5')	Total/NA	Solid	8015 NM	
880-18561-43	BH-08 (6'-7')	Total/NA	Solid	8015 NM	
880-18561-44	BH-08 (9'-10')	Total/NA	Solid	8015 NM	
880-18561-45	BH-08 14'-15')	Total/NA	Solid	8015 NM	
880-18561-46	BH-08 (19'-20')	Total/NA	Solid	8015 NM	
880-18561-47	BH-17 (0'-1')	Total/NA	Solid	8015 NM	
880-18561-48	BH-17 (2'-3')	Total/NA	Solid	8015 NM	
880-18561-49	BH-17 (4'-5')	Total/NA	Solid	8015 NM	
880-18561-50	BH-17 (6'-7')	Total/NA	Solid	8015 NM	
880-18561-51	BH-17 (9'-10')	Total/NA	Solid	8015 NM	
880-18561-52	BH-18 (0'-1')	Total/NA	Solid	8015 NM	
880-18561-53	BH-18 (2'-3')	Total/NA	Solid	8015 NM	
880-18561-54	BH-18 (4'-5')	Total/NA	Solid	8015 NM	
880-18561-55	BH-18 (6'-7')	Total/NA	Solid	8015 NM	
880-18561-56	BH-18 (9'-10')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 33062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-1	BH-06 (0'-1')	Soluble	Solid	DI Leach	
880-18561-2	BH-06 (2'-3')	Soluble	Solid	DI Leach	
880-18561-3	BH-06 (4'-5')	Soluble	Solid	DI Leach	
880-18561-4	BH-06 (6'-7')	Soluble	Solid	DI Leach	
880-18561-5	BH-06 (9'-10')	Soluble	Solid	DI Leach	
880-18561-6	BH-06 (14'-15')	Soluble	Solid	DI Leach	
880-18561-7	BH-06 (19'-20')	Soluble	Solid	DI Leach	
880-18561-8	BH-06 (24'-25')	Soluble	Solid	DI Leach	
880-18561-9	BH-06 (29'-30')	Soluble	Solid	DI Leach	
880-18561-10	BH-05 (0'-1')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 33062 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-11	BH-05 (2'-3')	Soluble	Solid	DI Leach	
880-18561-12	BH-05 (4'-5')	Soluble	Solid	DI Leach	
880-18561-13	BH-05 (6'-7')	Soluble	Solid	DI Leach	
880-18561-14	BH-05 (9'-10')	Soluble	Solid	DI Leach	
880-18561-15	BH-05 (14'-15')	Soluble	Solid	DI Leach	
880-18561-16	BH-05 (19'-20')	Soluble	Solid	DI Leach	
880-18561-17	BH-05 (24'-25')	Soluble	Solid	DI Leach	
880-18561-18	BH-05 (29'-30')	Soluble	Solid	DI Leach	
880-18561-19	BH-04 (0'-1')	Soluble	Solid	DI Leach	
880-18561-20	BH-04 (2'-3')	Soluble	Solid	DI Leach	
MB 880-33062/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-33062/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-33062/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-18561-1 MS	BH-06 (0'-1')	Soluble	Solid	DI Leach	
880-18561-1 MSD	BH-06 (0'-1')	Soluble	Solid	DI Leach	
880-18561-11 MS	BH-05 (2'-3')	Soluble	Solid	DI Leach	
880-18561-11 MSD	BH-05 (2'-3')	Soluble	Solid	DI Leach	

Leach Batch: 33076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-21	BH-04 (4'-5')	Soluble	Solid	DI Leach	
880-18561-22	BH-04 (6'-7')	Soluble	Solid	DI Leach	
880-18561-23	BH-04 (9'-10')	Soluble	Solid	DI Leach	
880-18561-24	BH-04 (14'-15')	Soluble	Solid	DI Leach	
880-18561-25	BH-04 (19'-20')	Soluble	Solid	DI Leach	
880-18561-26	BH-03 (0'-1')	Soluble	Solid	DI Leach	
880-18561-27	BH-03 (2'-3')	Soluble	Solid	DI Leach	
880-18561-28	BH-03 (4'-5')	Soluble	Solid	DI Leach	
880-18561-29	BH-03 (6'-7')	Soluble	Solid	DI Leach	
880-18561-30	BH-03 (9'-10')	Soluble	Solid	DI Leach	
880-18561-31	BH-03 (14'-15')	Soluble	Solid	DI Leach	
880-18561-32	BH-03 (19'-20')	Soluble	Solid	DI Leach	
880-18561-33	BH-02 (0'-1')	Soluble	Solid	DI Leach	
880-18561-34	BH-02 ((2'-3')	Soluble	Solid	DI Leach	
880-18561-35	BH-02 (4'-5')	Soluble	Solid	DI Leach	
880-18561-36	BH-02 (6'-7')	Soluble	Solid	DI Leach	
880-18561-37	BH-02 (9'-10')	Soluble	Solid	DI Leach	
880-18561-38	BH-02 (14'-15')	Soluble	Solid	DI Leach	
880-18561-39	BH-02 (19'-20')	Soluble	Solid	DI Leach	
880-18561-40	BH-08 (0'-1')	Soluble	Solid	DI Leach	
MB 880-33076/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-33076/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-33076/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-18561-21 MS	BH-04 (4'-5')	Soluble	Solid	DI Leach	
880-18561-21 MSD	BH-04 (4'-5')	Soluble	Solid	DI Leach	
880-18561-31 MS	BH-03 (14'-15')	Soluble	Solid	DI Leach	
880-18561-31 MSD	BH-03 (14'-15')	Soluble	Solid	DI Leach	

Leach Batch: 33077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-41	BH-08 (2'-3')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 33077 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-42	BH-08 (4'-5')	Soluble	Solid	DI Leach	
880-18561-43	BH-08 (6'-7')	Soluble	Solid	DI Leach	
880-18561-44	BH-08 (9'-10')	Soluble	Solid	DI Leach	
880-18561-45	BH-08 14'-15')	Soluble	Solid	DI Leach	
880-18561-46	BH-08 (19'-20')	Soluble	Solid	DI Leach	
880-18561-47	BH-17 (0'-1')	Soluble	Solid	DI Leach	
880-18561-48	BH-17 (2'-3')	Soluble	Solid	DI Leach	
880-18561-49	BH-17 (4'-5')	Soluble	Solid	DI Leach	
880-18561-50	BH-17 (6'-7')	Soluble	Solid	DI Leach	
880-18561-51	BH-17 (9'-10')	Soluble	Solid	DI Leach	
880-18561-52	BH-18 (0'-1')	Soluble	Solid	DI Leach	
880-18561-53	BH-18 (2'-3')	Soluble	Solid	DI Leach	
880-18561-54	BH-18 (4'-5')	Soluble	Solid	DI Leach	
880-18561-55	BH-18 (6'-7')	Soluble	Solid	DI Leach	
880-18561-56	BH-18 (9'-10')	Soluble	Solid	DI Leach	
MB 880-33077/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-33077/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCS 880-33077/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-18561-41 MS	BH-08 (2'-3')	Soluble	Solid	DI Leach	
880-18561-41 MSD	BH-08 (2'-3')	Soluble	Solid	DI Leach	
880-18561-51 MS	BH-17 (9'-10')	Soluble	Solid	DI Leach	
880-18561-51 MSD	BH-17 (9'-10')	Soluble	Solid	DI Leach	

Analysis Batch: 33255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-1	BH-06 (0'-1')	Soluble	Solid	300.0	33062
880-18561-2	BH-06 (2'-3')	Soluble	Solid	300.0	33062
880-18561-3	BH-06 (4'-5')	Soluble	Solid	300.0	33062
880-18561-4	BH-06 (6'-7')	Soluble	Solid	300.0	33062
880-18561-5	BH-06 (9'-10')	Soluble	Solid	300.0	33062
880-18561-6	BH-06 (14'-15')	Soluble	Solid	300.0	33062
880-18561-7	BH-06 (19'-20')	Soluble	Solid	300.0	33062
880-18561-8	BH-06 (24'-25')	Soluble	Solid	300.0	33062
880-18561-9	BH-06 (29'-30')	Soluble	Solid	300.0	33062
880-18561-10	BH-05 (0'-1')	Soluble	Solid	300.0	33062
880-18561-11	BH-05 (2'-3')	Soluble	Solid	300.0	33062
880-18561-12	BH-05 (4'-5')	Soluble	Solid	300.0	33062
880-18561-13	BH-05 (6'-7')	Soluble	Solid	300.0	33062
880-18561-14	BH-05 (9'-10')	Soluble	Solid	300.0	33062
880-18561-15	BH-05 (14'-15')	Soluble	Solid	300.0	33062
880-18561-16	BH-05 (19'-20')	Soluble	Solid	300.0	33062
880-18561-17	BH-05 (24'-25')	Soluble	Solid	300.0	33062
880-18561-18	BH-05 (29'-30')	Soluble	Solid	300.0	33062
880-18561-19	BH-04 (0'-1')	Soluble	Solid	300.0	33062
880-18561-20	BH-04 (2'-3')	Soluble	Solid	300.0	33062
MB 880-33062/1-A	Method Blank	Soluble	Solid	300.0	33062
LCS 880-33062/2-A	Lab Control Sample	Soluble	Solid	300.0	33062
LCS 880-33062/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	33062
880-18561-1 MS	BH-06 (0'-1')	Soluble	Solid	300.0	33062
880-18561-1 MSD	BH-06 (0'-1')	Soluble	Solid	300.0	33062
880-18561-11 MS	BH-05 (2'-3')	Soluble	Solid	300.0	33062

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 33255 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-11 MSD	BH-05 (2'-3')	Soluble	Solid	300.0	33062

Analysis Batch: 33279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-21	BH-04 (4'-5')	Soluble	Solid	300.0	33076
880-18561-22	BH-04 (6'-7')	Soluble	Solid	300.0	33076
880-18561-23	BH-04 (9'-10')	Soluble	Solid	300.0	33076
880-18561-24	BH-04 (14'-15')	Soluble	Solid	300.0	33076
880-18561-25	BH-04 (19'-20')	Soluble	Solid	300.0	33076
880-18561-26	BH-03 (0'-1')	Soluble	Solid	300.0	33076
880-18561-27	BH-03 (2'-3')	Soluble	Solid	300.0	33076
880-18561-28	BH-03 (4'-5')	Soluble	Solid	300.0	33076
880-18561-29	BH-03 (6'-7')	Soluble	Solid	300.0	33076
880-18561-30	BH-03 (9'-10')	Soluble	Solid	300.0	33076
880-18561-31	BH-03 (14'-15')	Soluble	Solid	300.0	33076
880-18561-32	BH-03 (19'-20')	Soluble	Solid	300.0	33076
880-18561-33	BH-02 (0'-1')	Soluble	Solid	300.0	33076
880-18561-34	BH-02 ((2'-3')	Soluble	Solid	300.0	33076
880-18561-35	BH-02 (4'-5')	Soluble	Solid	300.0	33076
880-18561-36	BH-02 (6'-7')	Soluble	Solid	300.0	33076
880-18561-37	BH-02 (9'-10')	Soluble	Solid	300.0	33076
880-18561-38	BH-02 (14'-15')	Soluble	Solid	300.0	33076
880-18561-39	BH-02 (19'-20')	Soluble	Solid	300.0	33076
880-18561-40	BH-08 (0'-1')	Soluble	Solid	300.0	33076
MB 880-33076/1-A	Method Blank	Soluble	Solid	300.0	33076
LCS 880-33076/2-A	Lab Control Sample	Soluble	Solid	300.0	33076
LCSD 880-33076/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	33076
880-18561-21 MS	BH-04 (4'-5')	Soluble	Solid	300.0	33076
880-18561-21 MSD	BH-04 (4'-5')	Soluble	Solid	300.0	33076
880-18561-31 MS	BH-03 (14'-15')	Soluble	Solid	300.0	33076
880-18561-31 MSD	BH-03 (14'-15')	Soluble	Solid	300.0	33076

Analysis Batch: 33280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18561-41	BH-08 (2'-3')	Soluble	Solid	300.0	33077
880-18561-42	BH-08 (4'-5')	Soluble	Solid	300.0	33077
880-18561-43	BH-08 (6'-7')	Soluble	Solid	300.0	33077
880-18561-44	BH-08 (9'-10')	Soluble	Solid	300.0	33077
880-18561-45	BH-08 14'-15')	Soluble	Solid	300.0	33077
880-18561-46	BH-08 (19'-20')	Soluble	Solid	300.0	33077
880-18561-47	BH-17 (0'-1')	Soluble	Solid	300.0	33077
880-18561-48	BH-17 (2'-3')	Soluble	Solid	300.0	33077
880-18561-49	BH-17 (4'-5')	Soluble	Solid	300.0	33077
880-18561-50	BH-17 (6'-7')	Soluble	Solid	300.0	33077
880-18561-51	BH-17 (9'-10')	Soluble	Solid	300.0	33077
880-18561-52	BH-18 (0'-1')	Soluble	Solid	300.0	33077
880-18561-53	BH-18 (2'-3')	Soluble	Solid	300.0	33077
880-18561-54	BH-18 (4'-5')	Soluble	Solid	300.0	33077
880-18561-55	BH-18 (6'-7')	Soluble	Solid	300.0	33077
880-18561-56	BH-18 (9'-10')	Soluble	Solid	300.0	33077
MB 880-33077/1-A	Method Blank	Soluble	Solid	300.0	33077

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 33280 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-33077/2-A	Lab Control Sample	Soluble	Solid	300.0	33077
LCSD 880-33077/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	33077
880-18561-41 MS	BH-08 (2'-3')	Soluble	Solid	300.0	33077
880-18561-41 MSD	BH-08 (2'-3')	Soluble	Solid	300.0	33077
880-18561-51 MS	BH-17 (9'-10')	Soluble	Solid	300.0	33077
880-18561-51 MSD	BH-17 (9'-10')	Soluble	Solid	300.0	33077

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Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-06 (0'-1')

Lab Sample ID: 880-18561-1

Date Collected: 08/24/22 09:30

Matrix: Solid

Date Received: 08/26/22 11:31

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	33064	08/26/22 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33586	09/03/22 08:06	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33068	08/26/22 14:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 12:18	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	33062	08/26/22 13:20	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	33255	08/30/22 09:13	CH	EET MID

Client Sample ID: BH-06 (2'-3')

Lab Sample ID: 880-18561-2

Date Collected: 08/24/22 09:35

Matrix: Solid

Date Received: 08/26/22 11:31

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	33064	08/26/22 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33586	09/03/22 08:27	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	33068	08/26/22 14:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 13:24	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	33062	08/26/22 13:20	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	33255	08/30/22 09:41	CH	EET MID

Client Sample ID: BH-06 (4'-5')

Lab Sample ID: 880-18561-3

Date Collected: 08/24/22 09:40

Matrix: Solid

Date Received: 08/26/22 11:31

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	33064	08/26/22 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33586	09/03/22 08:47	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33068	08/26/22 14:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 13:46	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	33062	08/26/22 13:20	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33255	08/30/22 09:50	CH	EET MID

Client Sample ID: BH-06 (6'-7')

Lab Sample ID: 880-18561-4

Date Collected: 08/24/22 09:45

Matrix: Solid

Date Received: 08/26/22 11:31

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	33064	08/26/22 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33586	09/03/22 09:08	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-06 (6'-7')

Lab Sample ID: 880-18561-4

Date Collected: 08/24/22 09:45

Matrix: Solid

Date Received: 08/26/22 11:31

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			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33068	08/26/22 14:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 14:08	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	33062	08/26/22 13:20	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33255	08/30/22 09:59	CH	EET MID

Client Sample ID: BH-06 (9'-10')

Lab Sample ID: 880-18561-5

Date Collected: 08/24/22 09:50

Matrix: Solid

Date Received: 08/26/22 11:31

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	33064	08/26/22 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33586	09/03/22 09:28	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33068	08/26/22 14:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 14:29	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	33062	08/26/22 13:20	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33255	08/30/22 10:08	CH	EET MID

Client Sample ID: BH-06 (14'-15')

Lab Sample ID: 880-18561-6

Date Collected: 08/24/22 09:55

Matrix: Solid

Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	33064	08/26/22 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33586	09/03/22 09:49	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	33068	08/26/22 14:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 14:51	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	33062	08/26/22 13:20	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33255	08/30/22 10:36	CH	EET MID

Client Sample ID: BH-06 (19'-20')

Lab Sample ID: 880-18561-7

Date Collected: 08/24/22 10:00

Matrix: Solid

Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	33064	08/26/22 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33586	09/03/22 10:09	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33068	08/26/22 14:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 15:13	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-06 (19'-20')

Lab Sample ID: 880-18561-7

Date Collected: 08/24/22 10:00

Matrix: Solid

Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	33062	08/26/22 13:20	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33255	08/30/22 10:45	CH	EET MID

Client Sample ID: BH-06 (24'-25')

Lab Sample ID: 880-18561-8

Date Collected: 08/24/22 10:05

Matrix: Solid

Date Received: 08/26/22 11:31

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	33064	08/26/22 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33586	09/03/22 10:30	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	33068	08/26/22 14:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 15:35	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	33062	08/26/22 13:20	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33255	08/30/22 10:54	CH	EET MID

Client Sample ID: BH-06 (29'-30')

Lab Sample ID: 880-18561-9

Date Collected: 08/24/22 10:10

Matrix: Solid

Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	33064	08/26/22 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33586	09/03/22 10:50	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33068	08/26/22 14:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 15:56	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	33062	08/26/22 13:20	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33255	08/30/22 11:03	CH	EET MID

Client Sample ID: BH-05 (0'-1')

Lab Sample ID: 880-18561-10

Date Collected: 08/24/22 10:20

Matrix: Solid

Date Received: 08/26/22 11:31

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	33064	08/26/22 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33586	09/03/22 11:11	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33068	08/26/22 14:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 16:18	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	33062	08/26/22 13:20	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	33255	08/30/22 11:13	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-05 (2'-3')

Lab Sample ID: 880-18561-11

Date Collected: 08/24/22 10:25

Matrix: Solid

Date Received: 08/26/22 11:31

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	33064	08/26/22 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33586	09/03/22 12:34	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33068	08/26/22 14:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 17:02	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	33062	08/26/22 13:20	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	33255	08/30/22 11:22	CH	EET MID

Client Sample ID: BH-05 (4'-5')

Lab Sample ID: 880-18561-12

Date Collected: 08/24/22 10:30

Matrix: Solid

Date Received: 08/26/22 11:31

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	33064	08/26/22 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33586	09/03/22 12:55	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	33068	08/26/22 14:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 17:23	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	33062	08/26/22 13:20	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33255	08/30/22 11:50	CH	EET MID

Client Sample ID: BH-05 (6'-7')

Lab Sample ID: 880-18561-13

Date Collected: 08/24/22 10:35

Matrix: Solid

Date Received: 08/26/22 11:31

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	33064	08/26/22 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33586	09/03/22 13:15	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33068	08/26/22 14:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 17:45	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	33062	08/26/22 13:20	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33255	08/30/22 11:59	CH	EET MID

Client Sample ID: BH-05 (9'-10')

Lab Sample ID: 880-18561-14

Date Collected: 08/24/22 10:40

Matrix: Solid

Date Received: 08/26/22 11:31

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	33064	08/26/22 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33586	09/03/22 13:36	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-05 (9'-10')

Lab Sample ID: 880-18561-14

Date Collected: 08/24/22 10:40

Matrix: Solid

Date Received: 08/26/22 11:31

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			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	33068	08/26/22 14:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 18:07	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	33062	08/26/22 13:20	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33255	08/30/22 12:27	CH	EET MID

Client Sample ID: BH-05 (14'-15')

Lab Sample ID: 880-18561-15

Date Collected: 08/24/22 10:45

Matrix: Solid

Date Received: 08/26/22 11:31

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	33064	08/26/22 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33586	09/03/22 13:56	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	33068	08/26/22 14:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 18:28	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	33062	08/26/22 13:20	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33255	08/30/22 12:36	CH	EET MID

Client Sample ID: BH-05 (19'-20')

Lab Sample ID: 880-18561-16

Date Collected: 08/24/22 10:50

Matrix: Solid

Date Received: 08/26/22 11:31

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	33064	08/26/22 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33586	09/03/22 14:17	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	33068	08/26/22 14:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 18:50	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	33062	08/26/22 13:20	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33255	08/30/22 13:42	CH	EET MID

Client Sample ID: BH-05 (24'-25')

Lab Sample ID: 880-18561-17

Date Collected: 08/24/22 10:55

Matrix: Solid

Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	33064	08/26/22 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33586	09/03/22 14:37	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33068	08/26/22 14:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 19:12	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-05 (24'-25')

Lab Sample ID: 880-18561-17

Date Collected: 08/24/22 10:55

Matrix: Solid

Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	33062	08/26/22 13:20	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33255	08/30/22 13:52	CH	EET MID

Client Sample ID: BH-05 (29'-30')

Lab Sample ID: 880-18561-18

Date Collected: 08/24/22 11:00

Matrix: Solid

Date Received: 08/26/22 11:31

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	33064	08/26/22 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33586	09/03/22 14:58	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	33068	08/26/22 14:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 19:34	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	33062	08/26/22 13:20	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33255	08/30/22 14:01	CH	EET MID

Client Sample ID: BH-04 (0'-1')

Lab Sample ID: 880-18561-19

Date Collected: 08/24/22 11:10

Matrix: Solid

Date Received: 08/26/22 11:31

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	33064	08/26/22 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33586	09/03/22 15:18	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	33068	08/26/22 14:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 19:55	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	33062	08/26/22 13:20	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	33255	08/30/22 14:10	CH	EET MID

Client Sample ID: BH-04 (2'-3')

Lab Sample ID: 880-18561-20

Date Collected: 08/24/22 11:15

Matrix: Solid

Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	33064	08/26/22 13:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33586	09/03/22 15:38	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33068	08/26/22 14:12	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 20:17	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	33062	08/26/22 13:20	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	33255	08/30/22 14:19	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-04 (4'-5')

Lab Sample ID: 880-18561-21

Date Collected: 08/24/22 11:20

Matrix: Solid

Date Received: 08/26/22 11:31

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	33065	08/26/22 13:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33649	09/03/22 05:23	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33070	08/26/22 14:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/28/22 12:18	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	33076	08/26/22 14:56	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33279	08/30/22 05:14	CH	EET MID

Client Sample ID: BH-04 (6'-7')

Lab Sample ID: 880-18561-22

Date Collected: 08/24/22 11:25

Matrix: Solid

Date Received: 08/26/22 11:31

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	33065	08/26/22 13:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33649	09/03/22 05:44	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	33070	08/26/22 14:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/28/22 13:24	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	33076	08/26/22 14:56	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33279	08/30/22 05:34	CH	EET MID

Client Sample ID: BH-04 (9'-10')

Lab Sample ID: 880-18561-23

Date Collected: 08/24/22 11:30

Matrix: Solid

Date Received: 08/26/22 11:31

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	33065	08/26/22 13:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33649	09/03/22 06:04	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33070	08/26/22 14:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/28/22 13:46	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	33076	08/26/22 14:56	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33279	08/30/22 05:41	CH	EET MID

Client Sample ID: BH-04 (14'-15')

Lab Sample ID: 880-18561-24

Date Collected: 08/24/22 11:35

Matrix: Solid

Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	33065	08/26/22 13:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33649	09/03/22 06:25	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-04 (14'-15')

Lab Sample ID: 880-18561-24

Date Collected: 08/24/22 11:35

Matrix: Solid

Date Received: 08/26/22 11:31

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			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33070	08/26/22 14:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/28/22 14:08	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	33076	08/26/22 14:56	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33279	08/30/22 05:48	CH	EET MID

Client Sample ID: BH-04 (19'-20')

Lab Sample ID: 880-18561-25

Date Collected: 08/24/22 11:40

Matrix: Solid

Date Received: 08/26/22 11:31

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	33065	08/26/22 13:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33649	09/03/22 06:45	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33070	08/26/22 14:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/28/22 14:29	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	33076	08/26/22 14:56	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33279	08/30/22 05:54	CH	EET MID

Client Sample ID: BH-03 (0'-1')

Lab Sample ID: 880-18561-26

Date Collected: 08/24/22 11:50

Matrix: Solid

Date Received: 08/26/22 11:31

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	33065	08/26/22 13:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33649	09/03/22 07:05	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	33070	08/26/22 14:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/28/22 14:51	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	33076	08/26/22 14:56	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	33279	08/30/22 06:14	CH	EET MID

Client Sample ID: BH-03 (2'-3')

Lab Sample ID: 880-18561-27

Date Collected: 08/24/22 11:55

Matrix: Solid

Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	33065	08/26/22 13:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33649	09/03/22 07:26	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33070	08/26/22 14:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/28/22 15:13	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-03 (2'-3')

Lab Sample ID: 880-18561-27

Date Collected: 08/24/22 11:55

Matrix: Solid

Date Received: 08/26/22 11:31

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	33076	08/26/22 14:56	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	33279	08/30/22 06:21	CH	EET MID

Client Sample ID: BH-03 (4'-5')

Lab Sample ID: 880-18561-28

Date Collected: 08/24/22 12:00

Matrix: Solid

Date Received: 08/26/22 11:31

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	33065	08/26/22 13:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33649	09/03/22 07:46	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	33070	08/26/22 14:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/28/22 15:35	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	33076	08/26/22 14:56	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33279	08/30/22 06:27	CH	EET MID

Client Sample ID: BH-03 (6'-7')

Lab Sample ID: 880-18561-29

Date Collected: 08/24/22 12:05

Matrix: Solid

Date Received: 08/26/22 11:31

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	33065	08/26/22 13:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33649	09/03/22 08:07	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33070	08/26/22 14:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/28/22 15:56	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	33076	08/26/22 14:56	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33279	08/30/22 06:34	CH	EET MID

Client Sample ID: BH-03 (9'-10')

Lab Sample ID: 880-18561-30

Date Collected: 08/24/22 12:10

Matrix: Solid

Date Received: 08/26/22 11:31

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	33065	08/26/22 13:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33649	09/03/22 08:27	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33070	08/26/22 14:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/28/22 16:18	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	33076	08/26/22 14:56	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33279	08/30/22 06:41	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-03 (14'-15')

Lab Sample ID: 880-18561-31

Date Collected: 08/24/22 12:15

Matrix: Solid

Date Received: 08/26/22 11:31

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	33065	08/26/22 13:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33649	09/03/22 10:17	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	33070	08/26/22 14:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/28/22 17:02	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	33076	08/26/22 14:56	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33279	08/30/22 06:47	CH	EET MID

Client Sample ID: BH-03 (19'-20')

Lab Sample ID: 880-18561-32

Date Collected: 08/24/22 12:20

Matrix: Solid

Date Received: 08/26/22 11:31

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	33065	08/26/22 13:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33649	09/03/22 10:37	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	33070	08/26/22 14:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/28/22 17:23	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	33076	08/26/22 14:56	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33279	08/30/22 07:07	CH	EET MID

Client Sample ID: BH-02 (0'-1')

Lab Sample ID: 880-18561-33

Date Collected: 08/24/22 12:30

Matrix: Solid

Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	33065	08/26/22 13:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33649	09/03/22 10:57	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33070	08/26/22 14:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/28/22 17:45	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	33076	08/26/22 14:56	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	33279	08/30/22 07:14	CH	EET MID

Client Sample ID: BH-02 ((2'-3')

Lab Sample ID: 880-18561-34

Date Collected: 08/24/22 12:35

Matrix: Solid

Date Received: 08/26/22 11:31

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	33065	08/26/22 13:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33649	09/03/22 11:18	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-02 ((2'-3'))

Lab Sample ID: 880-18561-34

Date Collected: 08/24/22 12:35

Matrix: Solid

Date Received: 08/26/22 11:31

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			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	33070	08/26/22 14:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/28/22 18:07	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	33076	08/26/22 14:56	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	33279	08/30/22 07:34	CH	EET MID

Client Sample ID: BH-02 (4'-5')

Lab Sample ID: 880-18561-35

Date Collected: 08/24/22 12:40

Matrix: Solid

Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	33065	08/26/22 13:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33649	09/03/22 11:38	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	33070	08/26/22 14:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/28/22 18:28	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	33076	08/26/22 14:56	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33279	08/30/22 07:40	CH	EET MID

Client Sample ID: BH-02 (6'-7')

Lab Sample ID: 880-18561-36

Date Collected: 08/24/22 12:45

Matrix: Solid

Date Received: 08/26/22 11:31

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	33065	08/26/22 13:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33649	09/03/22 11:59	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	33070	08/26/22 14:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/28/22 18:50	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	33076	08/26/22 14:56	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33279	08/30/22 07:47	CH	EET MID

Client Sample ID: BH-02 (9'-10')

Lab Sample ID: 880-18561-37

Date Collected: 08/24/22 12:50

Matrix: Solid

Date Received: 08/26/22 11:31

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	33065	08/26/22 13:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33649	09/03/22 12:19	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33070	08/26/22 14:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/28/22 19:12	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-02 (9'-10')

Lab Sample ID: 880-18561-37

Date Collected: 08/24/22 12:50

Matrix: Solid

Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	33076	08/26/22 14:56	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33279	08/30/22 07:54	CH	EET MID

Client Sample ID: BH-02 (14'-15')

Lab Sample ID: 880-18561-38

Date Collected: 08/24/22 12:55

Matrix: Solid

Date Received: 08/26/22 11:31

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	33065	08/26/22 13:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33649	09/03/22 12:40	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	33070	08/26/22 14:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/28/22 19:34	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	33076	08/26/22 14:56	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33279	08/30/22 08:00	CH	EET MID

Client Sample ID: BH-02 (19'-20')

Lab Sample ID: 880-18561-39

Date Collected: 08/24/22 13:00

Matrix: Solid

Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	33065	08/26/22 13:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33649	09/03/22 13:00	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	33070	08/26/22 14:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/28/22 19:55	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	33076	08/26/22 14:56	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33279	08/30/22 08:07	CH	EET MID

Client Sample ID: BH-08 (0'-1')

Lab Sample ID: 880-18561-40

Date Collected: 08/24/22 14:00

Matrix: Solid

Date Received: 08/26/22 11:31

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	33065	08/26/22 13:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33649	09/03/22 13:20	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33070	08/26/22 14:15	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/28/22 20:17	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	33076	08/26/22 14:56	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	33279	08/30/22 08:14	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-08 (2'-3')

Lab Sample ID: 880-18561-41

Date Collected: 08/24/22 14:05

Matrix: Solid

Date Received: 08/26/22 11:31

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	33067	08/26/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33694	09/03/22 16:58	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33071	08/26/22 14:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/28/22 22:06	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	33077	08/26/22 14:58	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	33280	08/30/22 09:07	CH	EET MID

Client Sample ID: BH-08 (4'-5')

Lab Sample ID: 880-18561-42

Date Collected: 08/24/22 14:10

Matrix: Solid

Date Received: 08/26/22 11:31

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	33067	08/26/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33694	09/03/22 17:19	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	33071	08/26/22 14:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/28/22 23:11	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	33077	08/26/22 14:58	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	33280	08/30/22 09:27	CH	EET MID

Client Sample ID: BH-08 (6'-7')

Lab Sample ID: 880-18561-43

Date Collected: 08/24/22 14:15

Matrix: Solid

Date Received: 08/26/22 11:31

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	33067	08/26/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33694	09/03/22 18:31	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33071	08/26/22 14:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/28/22 23:33	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	33077	08/26/22 14:58	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	33280	08/30/22 09:48	CH	EET MID

Client Sample ID: BH-08 (9'-10')

Lab Sample ID: 880-18561-44

Date Collected: 08/24/22 14:20

Matrix: Solid

Date Received: 08/26/22 11:31

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	33067	08/26/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33694	09/03/22 18:52	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-08 (9'-10')

Lab Sample ID: 880-18561-44

Date Collected: 08/24/22 14:20

Matrix: Solid

Date Received: 08/26/22 11:31

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			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33071	08/26/22 14:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/28/22 23:55	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	33077	08/26/22 14:58	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33280	08/30/22 09:55	CH	EET MID

Client Sample ID: BH-08 14'-15')

Lab Sample ID: 880-18561-45

Date Collected: 08/24/22 14:25

Matrix: Solid

Date Received: 08/26/22 11:31

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	33067	08/26/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33694	09/03/22 19:12	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33071	08/26/22 14:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/29/22 00:16	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	33077	08/26/22 14:58	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33280	08/30/22 10:02	CH	EET MID

Client Sample ID: BH-08 (19'-20')

Lab Sample ID: 880-18561-46

Date Collected: 08/24/22 14:30

Matrix: Solid

Date Received: 08/26/22 11:31

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	33067	08/26/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33694	09/03/22 19:32	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	33071	08/26/22 14:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/29/22 00:37	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	33077	08/26/22 14:58	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33280	08/30/22 11:10	CH	EET MID

Client Sample ID: BH-17 (0'-1')

Lab Sample ID: 880-18561-47

Date Collected: 08/24/22 15:00

Matrix: Solid

Date Received: 08/26/22 11:31

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	33067	08/26/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33694	09/03/22 19:53	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33071	08/26/22 14:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/29/22 00:58	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-17 (0'-1')

Lab Sample ID: 880-18561-47

Date Collected: 08/24/22 15:00

Matrix: Solid

Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	33077	08/26/22 14:58	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	33280	08/30/22 11:16	CH	EET MID

Client Sample ID: BH-17 (2'-3')

Lab Sample ID: 880-18561-48

Date Collected: 08/24/22 15:05

Matrix: Solid

Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	33067	08/26/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33694	09/03/22 20:13	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	33071	08/26/22 14:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33133	08/29/22 01:20	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	33077	08/26/22 14:58	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33280	08/30/22 11:23	CH	EET MID

Client Sample ID: BH-17 (4'-5')

Lab Sample ID: 880-18561-49

Date Collected: 08/24/22 15:10

Matrix: Solid

Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	33067	08/26/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33694	09/03/22 20:34	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33071	08/26/22 14:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 21:00	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	33077	08/26/22 14:58	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33280	08/30/22 11:30	CH	EET MID

Client Sample ID: BH-17 (6'-7')

Lab Sample ID: 880-18561-50

Date Collected: 08/24/22 15:15

Matrix: Solid

Date Received: 08/26/22 11:31

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	33067	08/26/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33694	09/03/22 20:54	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33071	08/26/22 14:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 21:22	AJ	EET MID
Soluble	Leach	DI Leach			53.00 g	50 mL	33077	08/26/22 14:58	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33280	08/30/22 11:36	CH	EET MID

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-17 (9'-10')

Lab Sample ID: 880-18561-51

Date Collected: 08/24/22 15:20

Matrix: Solid

Date Received: 08/26/22 11:31

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	33067	08/26/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33694	09/03/22 22:44	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	33071	08/26/22 14:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 21:44	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	33077	08/26/22 14:58	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33280	08/30/22 11:43	CH	EET MID

Client Sample ID: BH-18 (0'-1')

Lab Sample ID: 880-18561-52

Date Collected: 08/24/22 15:30

Matrix: Solid

Date Received: 08/26/22 11:31

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	33067	08/26/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33694	09/03/22 23:04	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	33071	08/26/22 14:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 22:06	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	33077	08/26/22 14:58	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33280	08/30/22 12:03	CH	EET MID

Client Sample ID: BH-18 (2'-3')

Lab Sample ID: 880-18561-53

Date Collected: 08/24/22 15:35

Matrix: Solid

Date Received: 08/26/22 11:31

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	33067	08/26/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33694	09/03/22 23:24	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	33071	08/26/22 14:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 22:27	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	33077	08/26/22 14:58	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33280	08/30/22 12:09	CH	EET MID

Client Sample ID: BH-18 (4'-5')

Lab Sample ID: 880-18561-54

Date Collected: 08/24/22 15:40

Matrix: Solid

Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	33067	08/26/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33694	09/03/22 23:45	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-18 (4'-5')

Lab Sample ID: 880-18561-54

Date Collected: 08/24/22 15:40

Matrix: Solid

Date Received: 08/26/22 11:31

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			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33071	08/26/22 14:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 22:49	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	33077	08/26/22 14:58	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	33280	08/30/22 12:29	CH	EET MID

Client Sample ID: BH-18 (6'-7')

Lab Sample ID: 880-18561-55

Date Collected: 08/24/22 15:45

Matrix: Solid

Date Received: 08/26/22 11:31

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	33067	08/26/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33694	09/04/22 00:05	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33071	08/26/22 14:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 23:11	AJ	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	33077	08/26/22 14:58	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33280	08/30/22 13:05	CH	EET MID

Client Sample ID: BH-18 (9'-10')

Lab Sample ID: 880-18561-56

Date Collected: 08/24/22 15:50

Matrix: Solid

Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	33067	08/26/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33694	09/04/22 00:26	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33703	09/04/22 10:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			33272	08/29/22 15:59	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33071	08/26/22 14:19	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33131	08/28/22 23:33	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	33077	08/26/22 14:58	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33280	08/30/22 12:37	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: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
SDG: Lea County, New Mexico

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	T104704400-22-24	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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Method Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

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	MCAWW	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
- MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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



Sample Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
 SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-18561-1	BH-06 (0'-1')	Solid	08/24/22 09:30	08/26/22 11:31
880-18561-2	BH-06 (2'-3')	Solid	08/24/22 09:35	08/26/22 11:31
880-18561-3	BH-06 (4'-5')	Solid	08/24/22 09:40	08/26/22 11:31
880-18561-4	BH-06 (6'-7')	Solid	08/24/22 09:45	08/26/22 11:31
880-18561-5	BH-06 (9'-10')	Solid	08/24/22 09:50	08/26/22 11:31
880-18561-6	BH-06 (14'-15')	Solid	08/24/22 09:55	08/26/22 11:31
880-18561-7	BH-06 (19'-20')	Solid	08/24/22 10:00	08/26/22 11:31
880-18561-8	BH-06 (24'-25')	Solid	08/24/22 10:05	08/26/22 11:31
880-18561-9	BH-06 (29'-30')	Solid	08/24/22 10:10	08/26/22 11:31
880-18561-10	BH-05 (0'-1')	Solid	08/24/22 10:20	08/26/22 11:31
880-18561-11	BH-05 (2'-3')	Solid	08/24/22 10:25	08/26/22 11:31
880-18561-12	BH-05 (4'-5')	Solid	08/24/22 10:30	08/26/22 11:31
880-18561-13	BH-05 (6'-7')	Solid	08/24/22 10:35	08/26/22 11:31
880-18561-14	BH-05 (9'-10')	Solid	08/24/22 10:40	08/26/22 11:31
880-18561-15	BH-05 (14'-15')	Solid	08/24/22 10:45	08/26/22 11:31
880-18561-16	BH-05 (19'-20')	Solid	08/24/22 10:50	08/26/22 11:31
880-18561-17	BH-05 (24'-25')	Solid	08/24/22 10:55	08/26/22 11:31
880-18561-18	BH-05 (29'-30')	Solid	08/24/22 11:00	08/26/22 11:31
880-18561-19	BH-04 (0'-1')	Solid	08/24/22 11:10	08/26/22 11:31
880-18561-20	BH-04 (2'-3')	Solid	08/24/22 11:15	08/26/22 11:31
880-18561-21	BH-04 (4'-5')	Solid	08/24/22 11:20	08/26/22 11:31
880-18561-22	BH-04 (6'-7')	Solid	08/24/22 11:25	08/26/22 11:31
880-18561-23	BH-04 (9'-10')	Solid	08/24/22 11:30	08/26/22 11:31
880-18561-24	BH-04 (14'-15')	Solid	08/24/22 11:35	08/26/22 11:31
880-18561-25	BH-04 (19'-20')	Solid	08/24/22 11:40	08/26/22 11:31
880-18561-26	BH-03 (0'-1')	Solid	08/24/22 11:50	08/26/22 11:31
880-18561-27	BH-03 (2'-3')	Solid	08/24/22 11:55	08/26/22 11:31
880-18561-28	BH-03 (4'-5')	Solid	08/24/22 12:00	08/26/22 11:31
880-18561-29	BH-03 (6'-7')	Solid	08/24/22 12:05	08/26/22 11:31
880-18561-30	BH-03 (9'-10')	Solid	08/24/22 12:10	08/26/22 11:31
880-18561-31	BH-03 (14'-15')	Solid	08/24/22 12:15	08/26/22 11:31
880-18561-32	BH-03 (19'-20')	Solid	08/24/22 12:20	08/26/22 11:31
880-18561-33	BH-02 (0'-1')	Solid	08/24/22 12:30	08/26/22 11:31
880-18561-34	BH-02 ((2'-3')	Solid	08/24/22 12:35	08/26/22 11:31
880-18561-35	BH-02 (4'-5')	Solid	08/24/22 12:40	08/26/22 11:31
880-18561-36	BH-02 (6'-7')	Solid	08/24/22 12:45	08/26/22 11:31
880-18561-37	BH-02 (9'-10')	Solid	08/24/22 12:50	08/26/22 11:31
880-18561-38	BH-02 (14'-15')	Solid	08/24/22 12:55	08/26/22 11:31
880-18561-39	BH-02 (19'-20')	Solid	08/24/22 13:00	08/26/22 11:31
880-18561-40	BH-08 (0'-1')	Solid	08/24/22 14:00	08/26/22 11:31
880-18561-41	BH-08 (2'-3')	Solid	08/24/22 14:05	08/26/22 11:31
880-18561-42	BH-08 (4'-5')	Solid	08/24/22 14:10	08/26/22 11:31
880-18561-43	BH-08 (6'-7')	Solid	08/24/22 14:15	08/26/22 11:31
880-18561-44	BH-08 (9'-10')	Solid	08/24/22 14:20	08/26/22 11:31
880-18561-45	BH-08 14'-15')	Solid	08/24/22 14:25	08/26/22 11:31
880-18561-46	BH-08 (19'-20')	Solid	08/24/22 14:30	08/26/22 11:31
880-18561-47	BH-17 (0'-1')	Solid	08/24/22 15:00	08/26/22 11:31
880-18561-48	BH-17 (2'-3')	Solid	08/24/22 15:05	08/26/22 11:31
880-18561-49	BH-17 (4'-5')	Solid	08/24/22 15:10	08/26/22 11:31
880-18561-50	BH-17 (6'-7')	Solid	08/24/22 15:15	08/26/22 11:31
880-18561-51	BH-17 (9'-10')	Solid	08/24/22 15:20	08/26/22 11:31
880-18561-52	BH-18 (0'-1')	Solid	08/24/22 15:30	08/26/22 11:31
880-18561-53	BH-18 (2'-3')	Solid	08/24/22 15:35	08/26/22 11:31
880-18561-54	BH-18 (4'-5')	Solid	08/24/22 15:40	08/26/22 11:31

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Sample Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18561-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-18561-55	BH-18 (6'-7')	Solid	08/24/22 15:45	08/26/22 11:31
880-18561-56	BH-18 (9'-10')	Solid	08/24/22 15:50	08/26/22 11:31

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Analysis Request of Chain of Custody Record

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Tetra Tech, Inc.

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

Client Name: Solars Site Manager: Clair Gonzales

Project Name: Bronco Water Release Revelation Pond Contact Info: Email Clair.Gonzales@tetratech.com
Phone (432) 260-8634

Project Location: Lea County New Mexico Project #: 212C-MD-02820

Invoice to: Accounts Payable
901 West Wall Street, Suite 100 Midland Texas 79701

Receiving Laboratory: Eurofins Xenco Sampler Signature: Joe Tyler

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX					PRESERVATIVE METHOD					# CONTAINERS	FILTERED (Y/N)
		YEAR 2022	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	NONE					
	BH-06 (0-1')		8/24	930	X				X					1	N
	BH-06 (2-3')		8/24	935	X				X					1	N
	BH-06 (4-5')		8/24	940	X				X					1	N
	BH-06 (6-7')		8/24	945	X				X					1	N
	BH-06 (9-10')		8/24	950	X				X					1	N
	BH-06 (14-15')		8/24	955	X				X					1	N
	BH-06 (19-20')		8/24	1000	X				X					1	N
	BH-06 (24-25')		8/24	1005	X				X					1	N
	BH-06 (29-30')		8/24	1010	X				X					1	N
	BH-05 (0-1')		8/24	1020	X				X					1	N

Relinquished by: *Joe Tyler* Date: 8-26-22 Time: 11:31
 Received by: *Clair Gonzales* Date: 8/26/22 Time: 11:31

Relinquished by: _____ Date: _____ Time: _____
 Received by: _____ Date: _____ Time: _____

ORIGINAL COPY

880-18561 Chain of Custody



(Circle or specify method No.)

<input checked="" type="checkbox"/>	BTEX 8021B
<input checked="" type="checkbox"/>	BTEX 8260B
<input checked="" type="checkbox"/>	TPH TX1005 (Ext to C35)
<input checked="" type="checkbox"/>	TPH 8015M (GRO - DRO - ORO - MRO)
<input checked="" type="checkbox"/>	PAH 8270C
<input checked="" type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg
<input checked="" type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input checked="" type="checkbox"/>	TCLP Volatiles
<input checked="" type="checkbox"/>	TCLP Semi Volatiles
<input checked="" type="checkbox"/>	RCI
<input checked="" type="checkbox"/>	GC/MS Vol 8260B / 624
<input checked="" type="checkbox"/>	GC/MS Semi Vol 8270C/625
<input checked="" type="checkbox"/>	PCB's 8082 / 608
<input checked="" type="checkbox"/>	NORM
<input checked="" type="checkbox"/>	PLM (Asbestos)
<input checked="" type="checkbox"/>	Chloride 300 0
<input checked="" type="checkbox"/>	Chloride Sulfate TDS
<input checked="" type="checkbox"/>	General Water Chemistry (see attached list)
<input checked="" type="checkbox"/>	Anion/Cation Balance
<input checked="" type="checkbox"/>	TPH 8015R
<input checked="" type="checkbox"/>	HOLD

LAB USE ONLY
 Sample Temperature: 0.10/0.8
 t.2

REMARKS
 Standard
 RUSH 72 hr
 Rush Charges Authorized
 Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

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Tetra Tech, Inc.

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

16541

Client Name Solars **Site Manager** Clair Gonzales

Project Name Bronco Water Release Revelation Pond **Contact Info** Email: Clair.Gonzales@tetratech.com
 Phone (432) 260-8634

Project Location (county, state) Lea County New Mexico **Project #**: 212C-MD-02820

Invoice to Accounts Payable
 901 West Wall Street, Suite 100 Midland Texas 79701

Receiving Laboratory Eurofins Xenco **Sampler Signature** Joe Tyler

Comments

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION		SAMPLING		MATRIX					PRESERVATIVE METHOD					# CONTAINERS	FILTERED (Y/N)		
			YEAR 2022	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	NONE	X	X	X			X	X
BH-05 (2-3)			8/24	1025	X	X	X	X	X	X	X	X	X	X	1	N		
BH-05 (4-5)			8/24	1030	X	X	X	X	X	X	X	X	X	X	1	N		
BH-05 (6-7)			8/24	1035	X	X	X	X	X	X	X	X	X	X	1	N		
BH-05 (9-10)			8/24	1040	X	X	X	X	X	X	X	X	X	X	1	N		
BH-05 (14-15)			8/24	1045	X	X	X	X	X	X	X	X	X	X	1	N		
BH-05 (19-20)			8/24	1050	X	X	X	X	X	X	X	X	X	X	1	N		
BH-05 (24-25)			8/24	1055	X	X	X	X	X	X	X	X	X	X	1	N		
BH-05 (29-30)			8/24	1100	X	X	X	X	X	X	X	X	X	X	1	N		
BH-04 (0-1)			8/24	1110	X	X	X	X	X	X	X	X	X	X	1	N		
BH-04 (2-3)			8/24	1115	X	X	X	X	X	X	X	X	X	X	1	N		

Relinquished by Joe Tyler Date 8-26-22 Received by BEARD Date 8/26/22 Time 11:31

Relinquished by Date Time Received by Date Time

Relinquished by Date Time Received by Date Time

ANALYSIS REQUEST
 (Circle or Specify Method No.)

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

LAB USE ONLY
 Sample Temperature 0.4/0.8

REMARKS
 Standard
 RUSH 72 hr
 Rush Charges Authorized
 Special Report Limits or TRRP Report

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #



Tetra Tech, Inc.

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

185161

Client Name: Solaris Site Manager: Clair Gonzales

Project Name: Bronco Water Release Revelation Pond Contact Info: Email Clair Gonzales@tetratech.com
Phone (432) 260-8634

Project Location: Lea County New Mexico Project #: 212C-MD-02820

Invoice to: Accounts Payable
901 West Wall Street, Suite 100 Midland, Texas 79701

Receiving Laboratory: Eurofins Xerco Sampler Signature: Joe Tyler

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	NONE		
	BH-04 (4-5)	8/24	1120	X	X	X	X	X	X	1	N
	BH-04 (6-7)	8/24	1125	X	X	X	X	X	X	1	N
	BH-04 (9-10)	8/24	1130	X	X	X	X	X	X	1	N
	BH-04 (14-15)	8/24	1135	X	X	X	X	X	X	1	N
	BH-04 (19-20)	8/24	1140	X	X	X	X	X	X	1	N
	BH-03 (0-1)	8/24	1150	X	X	X	X	X	X	1	N
	BH-03 (2-3)	8/24	1155	X	X	X	X	X	X	1	N
	BH-03 (4-5)	8/24	1200	X	X	X	X	X	X	1	N
	BH-03 (6-7)	8/24	1205	X	X	X	X	X	X	1	N
	BH-03 (9-10)	8/24	1210	X	X	X	X	X	X	1	N

Relinquished by: Joe Tyler Date: 8-26-22 Received by: [Signature] Date: 8/26/22

Relinquished by: [Signature] Date: [Blank] Received by: [Signature] Date: 8/26/22

Relinquished by: [Signature] Date: [Blank] Received by: [Signature] Date: [Blank]

ANALYSIS REQUEST (Circle or Specify Method No.)

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

LAB USE ONLY

Sample Temperature: 0.0/0.5

REMARKS

Standard

RUSH 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

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Tetra Tech, Inc.

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

195101

Client Name: Solars Site Manager: Clair Gonzales

Project Name: Bronco Water Release Revelation Pond Contact Info: Email: Clair.Gonzales@tetratech.com
Phone (432) 260-8634

Project Location: Lea County New Mexico Project #: 212C-MD-02820

Invoice to: Accounts Payable 901 West Wall Street, Suite 100 Midland Texas 79701

Receiving Laboratory: Eurofins Xerco Sampler Signature: Joe Tyler

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)	
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE			NONE
BH-03 (14-15)		8/24	1215	X		X			1	N	
BH-03 (19-20)		8/24	1220	X		X			1	N	
BH-02 (0-1)		8/24	1230	X		X			1	N	
BH-02 (2-3)		8/24	1235	X		X			1	N	
BH-02 (4-5)		8/24	1240	X		X			1	N	
BH-02 (6-7)		8/24	1245	X		X			1	N	
BH-02 (9-10)		8/24	1250	X		X			1	N	
BH-02 (14-15)		8/24	1255	X		X			1	N	
BH-02 (19-20)		8/24	1300	X		X			1	N	
BH-08 (0-1)		8/24	1400	X		X			1	N	

Relinquished by: *StyB* 8-26-22 Received by: *Shayla* 11/31

Relinquished by: _____ Date: _____ Time: _____
Received by: _____ Date: _____ Time: _____

ORIGINAL COPY

ANALYSIS REQUEST
(Circle or Specify Method No.)

<input checked="" type="checkbox"/>	BTEX 8021B
<input checked="" type="checkbox"/>	BTEX 8260B
<input checked="" type="checkbox"/>	TPH TX1005 (Ext to C35)
<input checked="" type="checkbox"/>	TPH 8015M (GRO - DRO - ORO - MRO)
<input checked="" type="checkbox"/>	PAH 8270C
<input checked="" type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg
<input checked="" type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input checked="" type="checkbox"/>	TCLP Volatiles
<input checked="" type="checkbox"/>	TCLP Semi Volatiles
<input checked="" type="checkbox"/>	RCI
<input checked="" type="checkbox"/>	GC/MS Vol 8260B / 624
<input checked="" type="checkbox"/>	GC/MS Semi Vol 8270C/625
<input checked="" type="checkbox"/>	PCB's 8082 / 608
<input checked="" type="checkbox"/>	NORM
<input checked="" type="checkbox"/>	PLM (Asbestos)
<input checked="" type="checkbox"/>	Chloride 300 0
<input checked="" type="checkbox"/>	Chloride Sulfate TDS
<input checked="" type="checkbox"/>	General Water Chemistry (see attached list)
<input checked="" type="checkbox"/>	Anion/Cation Balance
<input checked="" type="checkbox"/>	TPH 8015R
<input checked="" type="checkbox"/>	HOLD

LAB USE ONLY

Sample Temperature: *cupos*

REMARKS

Standard

RUSH 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

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Tetra Tech, Inc.

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

18561

Client Name: Solians

Site Manager: Clair Gonzales

Clair Gonzales

Project Name: Bronco Water Release Revelation Pond

Contact Info

Email: Clair.Gonzales@tetratech.com
 Phone (432) 260-8634

Project Location: Lea County New Mexico

Project #

212C-MD-02820

Invoice to: Accounts Payable
 901 West Wall Street, Suite 100 Midland, Texas 79701

Receiving Laboratory: Eurofins Xenco

Sampler Signature

Joe Tyler

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	
		YEAR 2022	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE			NONE
	BH-08 (2-3)	8/24	1405	X	X	X					1	N
	BH-08 (4-5)	8/24	1410	X	X	X					1	N
	BH-08 (6-7)	8/24	1415	X	X	X					1	N
	BH-08 (9-10)	8/24	1420	X	X	X					1	N
	BH-08 (14-15)	8/24	1425	X	X	X					1	N
	BH-08 (19-20)	8/24	1430	X	X	X					1	N
	BH-17 (0-1)	8/24	1500	X	X	X					1	N
	BH-17 (2-3)	8/24	1505	X	X	X					1	N
	BH-17 (4-5)	8/24	1510	X	X	X					1	N
	BH-17 (6-7)	8/24	1515	X	X	X					1	N

Reinquired by: *Joe Tyler* Date: *8/26/22* Time: *8:30 AM*
 Received by: *BSW* Date: *8/26/22* Time: *1:31*

Reinquired by: _____ Date: _____ Time: _____
 Received by: _____ Date: _____ Time: _____

Reinquired by: _____ Date: _____ Time: _____
 Received by: _____ Date: _____ Time: _____

ANALYSIS REQUEST
 (Circle or Specify Method No.)

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

LAB USE ONLY
 Sample Temperature: *06/18*

REMARKS:
 Standard
 RUSH 72 hr
 Rush Charges Authorized
 Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

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Tetra Tech, Inc.

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

195101

Client Name: Solaris Site Manager: Clair Gonzales

Project Name: Bronco Water Release Revelation Pond Contact Info: Email Clair Gonzales@tetratech.com Phone (432) 260-8634

Project Location: Lea County New Mexico Project #: 212C-MD-02820

Invoice to: Accounts Payable 901 West Wall Street, Suite 100 Midland Texas 79701

Receiving Laboratory: Eurofins Xenco Sampler Signature: Joe Tyler

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION		SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)	ANALYSIS REQUEST (Circle or Specify Method No.)			
			YEAR 2022	DATE	TIME	WATER	SOIL	HCL				HNO ₃	ICE	NONE
	BH-17 (9-10')	8/24	1520	X	X			X		1	N	BTEX 8021B BTEX 8260B		
	BH-18 (0-1')	8/24	1530	X	X			X		1	N	TPH TX1005 (Ext to C35)		
	BH-18 (2-3')	8/24	1535	X	X			X		1	N	TPH 8015M (GRO - DRO - ORO - MRO)		
	BH-18 (4-5')	8/24	1540	X	X			X		1	N	PAH 8270C		
	BH-18 (6-7')	8/24	1545	X	X			X		1	N	Total Metals Ag As Ba Cd Cr Pb Se Hg		
	BH-18 (9-10')	8/24	1550	X	X			X		1	N	TCLP Metals Ag As Ba Cd Cr Pb Se Hg		
												TCLP Volatiles		
												TCLP Semi Volatiles		
												RCI		
												GC/MS Vol 8260B / 624		
												GC/MS Semi Vol 8270C/625		
												PCB's 8082 / 608		
												NORM		
												PLM (Asbestos)		
												Chloride 300 0		
												Chloride Sulfate TDS		
												General Water Chemistry (see attached list)		
												Anion/Cation Balance		
												TPH 8015R		
												HOLD		

Relinquished by: Joe Tyler Date: 8-26-22 Time: Received by: [Signature] Date: 8/26/22 Time: 1131

Relinquished by: Date: Time: Received by: Date: Time:

ORIGINAL COPY

LAB USE ONLY
 Sample Temperature: 0.0/0.8
 REMARKS:
 Standard
 RUSH 72 hr
 Rush Charges Authorized
 Special Report Limits or TRRP Report

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-18561-1
SDG Number: Lea County, New Mexico

Login Number: 18561
List Number: 1
Creator: Teel, Brianna

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

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

Laboratory Job ID: 880-18562-1

Laboratory Sample Delivery Group: Lea County, New Mexico
Client Project/Site: Bronco Water Release Revelation Pond

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

Attn: Clair Gonzales

Authorized for release by:
9/5/2022 12:58:13 PM

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



LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

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

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

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Laboratory Job ID: 880-18562-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
SDG: Lea County, New Mexico

Qualifiers

GC 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.

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
SDG: Lea County, New Mexico

Job ID: 880-18562-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-18562-1

Receipt

The samples were received on 8/26/2022 11:31 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 0.8°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-33067 and analytical batch 880-33694 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery was outside acceptance limits for the following matrix spike/matrix spike duplicate (MS/MSD) samples: (880-18562-A-1-B MS) and (880-18562-A-1-C MSD). The parent sample's surrogate recovery was within limits. The MS/MSD sample has been qualified and reported.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-33060 and analytical batch 880-33106 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-33078 and 880-33078 and analytical batch 880-33397 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: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-18562-1

Date Collected: 08/23/22 09:00

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:58	09/04/22 00:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:58	09/04/22 00:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:58	09/04/22 00:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/26/22 13:58	09/04/22 00:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/26/22 13:58	09/04/22 00:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/26/22 13:58	09/04/22 00:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	08/26/22 13:58	09/04/22 00:46	1
1,4-Difluorobenzene (Surr)	141	S1+	70 - 130	08/26/22 13:58	09/04/22 00:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/31/22 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 10:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/26/22 13:02	08/27/22 21:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		08/26/22 13:02	08/27/22 21:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/26/22 13:02	08/27/22 21:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	08/26/22 13:02	08/27/22 21:36	1
o-Terphenyl	79		70 - 130	08/26/22 13:02	08/27/22 21:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.1		5.03		mg/Kg			08/30/22 12:44	1

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

Lab Sample ID: 880-18562-2

Date Collected: 08/23/22 09:10

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/04/22 01:06	1
Toluene	0.00404		0.00200		mg/Kg		08/26/22 13:58	09/04/22 01:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/04/22 01:06	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/26/22 13:58	09/04/22 01:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/04/22 01:06	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/26/22 13:58	09/04/22 01:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	08/26/22 13:58	09/04/22 01:06	1
1,4-Difluorobenzene (Surr)	102		70 - 130	08/26/22 13:58	09/04/22 01:06	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-18562-2

Date Collected: 08/23/22 09:10

Matrix: Solid

Date Received: 08/26/22 11:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00404		0.00401		mg/Kg			08/31/22 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 10:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/26/22 13:02	08/27/22 22:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/26/22 13:02	08/27/22 22:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/26/22 13:02	08/27/22 22:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				08/26/22 13:02	08/27/22 22:35	1
o-Terphenyl	86		70 - 130				08/26/22 13:02	08/27/22 22:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.3		4.99		mg/Kg			08/30/22 13:25	1

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

Lab Sample ID: 880-18562-3

Date Collected: 08/23/22 09:20

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:58	09/04/22 01:27	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:58	09/04/22 01:27	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:58	09/04/22 01:27	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/26/22 13:58	09/04/22 01:27	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/26/22 13:58	09/04/22 01:27	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/26/22 13:58	09/04/22 01:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130				08/26/22 13:58	09/04/22 01:27	1
1,4-Difluorobenzene (Surr)	119		70 - 130				08/26/22 13:58	09/04/22 01:27	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/31/22 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 10:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/27/22 22:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/27/22 22:55	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-18562-3

Date Collected: 08/23/22 09:20

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 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		08/26/22 13:02	08/27/22 22:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				08/26/22 13:02	08/27/22 22:55	1
o-Terphenyl	83		70 - 130				08/26/22 13:02	08/27/22 22:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.3		4.96		mg/Kg			08/30/22 12:52	1

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

Lab Sample ID: 880-18562-4

Date Collected: 08/23/22 09:30

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/04/22 01:47	1
Toluene	0.00398		0.00200		mg/Kg		08/26/22 13:58	09/04/22 01:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/04/22 01:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/26/22 13:58	09/04/22 01:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/04/22 01:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/26/22 13:58	09/04/22 01:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				08/26/22 13:58	09/04/22 01:47	1
1,4-Difluorobenzene (Surr)	109		70 - 130				08/26/22 13:58	09/04/22 01:47	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/31/22 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 10:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/26/22 13:02	08/27/22 23:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/26/22 13:02	08/27/22 23:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/26/22 13:02	08/27/22 23:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				08/26/22 13:02	08/27/22 23:16	1
o-Terphenyl	92		70 - 130				08/26/22 13:02	08/27/22 23:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.86		5.02		mg/Kg			08/30/22 12:58	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-18562-5

Date Collected: 08/23/22 09:40

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:54	08/31/22 04:12	1
Toluene	0.00375		0.00200		mg/Kg		08/29/22 10:54	08/31/22 04:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:54	08/31/22 04:12	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/29/22 10:54	08/31/22 04:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:54	08/31/22 04:12	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/29/22 10:54	08/31/22 04:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	08/29/22 10:54	08/31/22 04:12	1
1,4-Difluorobenzene (Surr)	107		70 - 130	08/29/22 10:54	08/31/22 04:12	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/31/22 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 10:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/27/22 23:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/27/22 23:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/27/22 23:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130	08/26/22 13:02	08/27/22 23:35	1
o-Terphenyl	80		70 - 130	08/26/22 13:02	08/27/22 23:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.0	F1	5.00		mg/Kg			08/31/22 12:55	1

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

Lab Sample ID: 880-18562-6

Date Collected: 08/23/22 09:50

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:54	08/31/22 04:32	1
Toluene	0.00317		0.00199		mg/Kg		08/29/22 10:54	08/31/22 04:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:54	08/31/22 04:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/29/22 10:54	08/31/22 04:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:54	08/31/22 04:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/29/22 10:54	08/31/22 04:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	08/29/22 10:54	08/31/22 04:32	1
1,4-Difluorobenzene (Surr)	104		70 - 130	08/29/22 10:54	08/31/22 04:32	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-18562-6

Date Collected: 08/23/22 09:50

Matrix: Solid

Date Received: 08/26/22 11:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/31/22 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 10:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/26/22 13:02	08/27/22 23:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/26/22 13:02	08/27/22 23:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/26/22 13:02	08/27/22 23:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				08/26/22 13:02	08/27/22 23:56	1
o-Terphenyl	78		70 - 130				08/26/22 13:02	08/27/22 23:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.44		4.98		mg/Kg			08/31/22 13:23	1

Client Sample ID: H-7 (0-1')

Lab Sample ID: 880-18562-7

Date Collected: 08/23/22 10:00

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:54	08/31/22 04:53	1
Toluene	0.0140		0.00200		mg/Kg		08/29/22 10:54	08/31/22 04:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:54	08/31/22 04:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/29/22 10:54	08/31/22 04:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:54	08/31/22 04:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/29/22 10:54	08/31/22 04:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				08/29/22 10:54	08/31/22 04:53	1
1,4-Difluorobenzene (Surr)	106		70 - 130				08/29/22 10:54	08/31/22 04:53	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0140		0.00399		mg/Kg			08/31/22 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 10:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/28/22 00:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/28/22 00:15	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

Client Sample ID: H-7 (0-1')

Lab Sample ID: 880-18562-7

Date Collected: 08/23/22 10:00

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 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		08/26/22 13:02	08/28/22 00:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				08/26/22 13:02	08/28/22 00:15	1
o-Terphenyl	75		70 - 130				08/26/22 13:02	08/28/22 00:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.2		5.00		mg/Kg			08/31/22 13:32	1

Client Sample ID: H-8 (0-1')

Lab Sample ID: 880-18562-8

Date Collected: 08/23/22 10:10

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/29/22 10:54	08/31/22 05:13	1
Toluene	0.00829		0.00201		mg/Kg		08/29/22 10:54	08/31/22 05:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/29/22 10:54	08/31/22 05:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/29/22 10:54	08/31/22 05:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/29/22 10:54	08/31/22 05:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/29/22 10:54	08/31/22 05:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				08/29/22 10:54	08/31/22 05:13	1
1,4-Difluorobenzene (Surr)	101		70 - 130				08/29/22 10:54	08/31/22 05:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00829		0.00402		mg/Kg			08/31/22 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/29/22 10:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/26/22 13:02	08/28/22 00:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/26/22 13:02	08/28/22 00:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/26/22 13:02	08/28/22 00:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				08/26/22 13:02	08/28/22 00:36	1
o-Terphenyl	96		70 - 130				08/26/22 13:02	08/28/22 00:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.4		4.99		mg/Kg			08/31/22 13:41	1

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

Client Sample ID: H-9 (0-1')

Lab Sample ID: 880-18562-9

Date Collected: 08/23/22 10:20

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/29/22 10:54	08/31/22 05:33	1
Toluene	0.00526		0.00201		mg/Kg		08/29/22 10:54	08/31/22 05:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/29/22 10:54	08/31/22 05:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/29/22 10:54	08/31/22 05:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/29/22 10:54	08/31/22 05:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/29/22 10:54	08/31/22 05:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	08/29/22 10:54	08/31/22 05:33	1
1,4-Difluorobenzene (Surr)	107		70 - 130	08/29/22 10:54	08/31/22 05:33	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00526		0.00402		mg/Kg			08/31/22 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 10:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/28/22 00:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/28/22 00:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/28/22 00:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	08/26/22 13:02	08/28/22 00:55	1
o-Terphenyl	89		70 - 130	08/26/22 13:02	08/28/22 00:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.74		4.95		mg/Kg			08/31/22 13:50	1

Client Sample ID: H-10 (0-1')

Lab Sample ID: 880-18562-10

Date Collected: 08/23/22 10:30

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:54	08/31/22 05:54	1
Toluene	0.00416		0.00200		mg/Kg		08/29/22 10:54	08/31/22 05:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:54	08/31/22 05:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/29/22 10:54	08/31/22 05:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:54	08/31/22 05:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/29/22 10:54	08/31/22 05:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	08/29/22 10:54	08/31/22 05:54	1
1,4-Difluorobenzene (Surr)	107		70 - 130	08/29/22 10:54	08/31/22 05:54	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

Client Sample ID: H-10 (0-1')

Lab Sample ID: 880-18562-10

Date Collected: 08/23/22 10:30

Matrix: Solid

Date Received: 08/26/22 11:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00416		0.00400		mg/Kg			08/31/22 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 10:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/28/22 01:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/28/22 01:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/28/22 01:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				08/26/22 13:02	08/28/22 01:16	1
o-Terphenyl	97		70 - 130				08/26/22 13:02	08/28/22 01:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.0		4.97		mg/Kg			08/31/22 14:18	1

Client Sample ID: H-11 (0-1')

Lab Sample ID: 880-18562-11

Date Collected: 08/23/22 10:40

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:54	08/31/22 06:14	1
Toluene	0.00694		0.00199		mg/Kg		08/29/22 10:54	08/31/22 06:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:54	08/31/22 06:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/29/22 10:54	08/31/22 06:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:54	08/31/22 06:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/29/22 10:54	08/31/22 06:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				08/29/22 10:54	08/31/22 06:14	1
1,4-Difluorobenzene (Surr)	101		70 - 130				08/29/22 10:54	08/31/22 06:14	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00694		0.00398		mg/Kg			08/31/22 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/29/22 10:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/26/22 13:02	08/28/22 01:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/26/22 13:02	08/28/22 01:56	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

Client Sample ID: H-11 (0-1')

Lab Sample ID: 880-18562-11

Date Collected: 08/23/22 10:40

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 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		08/26/22 13:02	08/28/22 01:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				08/26/22 13:02	08/28/22 01:56	1
o-Terphenyl	83		70 - 130				08/26/22 13:02	08/28/22 01:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.19		4.95		mg/Kg			08/31/22 14:27	1

Client Sample ID: BG (0.5'-1.0')

Lab Sample ID: 880-18562-12

Date Collected: 08/24/22 10:00

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/29/22 10:54	08/31/22 06:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/29/22 10:54	08/31/22 06:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/29/22 10:54	08/31/22 06:35	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/29/22 10:54	08/31/22 06:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/29/22 10:54	08/31/22 06:35	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/29/22 10:54	08/31/22 06:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				08/29/22 10:54	08/31/22 06:35	1
1,4-Difluorobenzene (Surr)	103		70 - 130				08/29/22 10:54	08/31/22 06:35	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/31/22 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 10:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/28/22 02:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/28/22 02:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/28/22 02:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				08/26/22 13:02	08/28/22 02:16	1
o-Terphenyl	93		70 - 130				08/26/22 13:02	08/28/22 02:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.5		5.05		mg/Kg			08/31/22 14:36	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
SDG: Lea County, New Mexico

Client Sample ID: BG (1.5'-2.0')

Lab Sample ID: 880-18562-13

Date Collected: 08/24/22 10:10

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:54	08/31/22 06:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:54	08/31/22 06:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:54	08/31/22 06:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/29/22 10:54	08/31/22 06:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:54	08/31/22 06:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/29/22 10:54	08/31/22 06:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	08/29/22 10:54	08/31/22 06:55	1
1,4-Difluorobenzene (Surr)	107		70 - 130	08/29/22 10:54	08/31/22 06:55	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/31/22 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/29/22 10:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/26/22 13:02	08/28/22 02:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/26/22 13:02	08/28/22 02:35	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/26/22 13:02	08/28/22 02:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	08/26/22 13:02	08/28/22 02:35	1
o-Terphenyl	93		70 - 130	08/26/22 13:02	08/28/22 02:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.2		4.95		mg/Kg			08/31/22 14:45	1

Client Sample ID: BG (2.5'-3.0')

Lab Sample ID: 880-18562-14

Date Collected: 08/24/22 10:20

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:54	08/31/22 07:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:54	08/31/22 07:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:54	08/31/22 07:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/29/22 10:54	08/31/22 07:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/29/22 10:54	08/31/22 07:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/29/22 10:54	08/31/22 07:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	08/29/22 10:54	08/31/22 07:16	1
1,4-Difluorobenzene (Surr)	107		70 - 130	08/29/22 10:54	08/31/22 07:16	1

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Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

Client Sample ID: BG (2.5'-3.0')

Lab Sample ID: 880-18562-14

Date Collected: 08/24/22 10:20

Matrix: Solid

Date Received: 08/26/22 11:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/31/22 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 10:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/28/22 02:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/28/22 02:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/28/22 02:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				08/26/22 13:02	08/28/22 02:55	1
o-Terphenyl	73		70 - 130				08/26/22 13:02	08/28/22 02:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.60		4.96		mg/Kg			08/31/22 14:55	1

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

Lab Sample ID: 880-18562-15

Date Collected: 08/24/22 11:30

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/31/22 09:38	09/01/22 20:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/31/22 09:38	09/01/22 20:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/31/22 09:38	09/01/22 20:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/31/22 09:38	09/01/22 20:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/31/22 09:38	09/01/22 20:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/31/22 09:38	09/01/22 20:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				08/31/22 09:38	09/01/22 20:19	1
1,4-Difluorobenzene (Surr)	97		70 - 130				08/31/22 09:38	09/01/22 20:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/31/22 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 10:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/28/22 03:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/28/22 03:15	1

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-18562-15

Date Collected: 08/24/22 11:30

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 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		08/26/22 13:02	08/28/22 03:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				08/26/22 13:02	08/28/22 03:15	1
o-Terphenyl	80		70 - 130				08/26/22 13:02	08/28/22 03:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7000	F1	49.8		mg/Kg			08/31/22 15:04	10

Client Sample ID: BH-1 (2'-3')

Lab Sample ID: 880-18562-16

Date Collected: 08/24/22 11:40

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/31/22 09:38	09/01/22 20:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/31/22 09:38	09/01/22 20:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/31/22 09:38	09/01/22 20:44	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/31/22 09:38	09/01/22 20:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/31/22 09:38	09/01/22 20:44	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/31/22 09:38	09/01/22 20:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				08/31/22 09:38	09/01/22 20:44	1
1,4-Difluorobenzene (Surr)	100		70 - 130				08/31/22 09:38	09/01/22 20:44	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/31/22 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 10:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/28/22 03:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/28/22 03:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/28/22 03:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				08/26/22 13:02	08/28/22 03:35	1
o-Terphenyl	83		70 - 130				08/26/22 13:02	08/28/22 03:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2880		25.1		mg/Kg			08/31/22 15:32	5

Eurofins Midland

Client Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

Client Sample ID: BH-1 (3'-4')

Lab Sample ID: 880-18562-17

Date Collected: 08/24/22 12:00

Matrix: Solid

Date Received: 08/26/22 11:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/31/22 09:38	09/01/22 21:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/31/22 09:38	09/01/22 21:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/31/22 09:38	09/01/22 21:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/31/22 09:38	09/01/22 21:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/31/22 09:38	09/01/22 21:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/31/22 09:38	09/01/22 21:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	08/31/22 09:38	09/01/22 21:09	1
1,4-Difluorobenzene (Surr)	100		70 - 130	08/31/22 09:38	09/01/22 21:09	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/31/22 11:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/29/22 10:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/28/22 03:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/28/22 03:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/28/22 03:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	08/26/22 13:02	08/28/22 03:55	1
o-Terphenyl	84		70 - 130	08/26/22 13:02	08/28/22 03:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1510		5.05		mg/Kg			08/31/22 15:41	1

Surrogate Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

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)
880-18561-A-41-A MS	Matrix Spike	94	122
880-18561-A-41-B MSD	Matrix Spike Duplicate	79	112
880-18562-1	H-1 (0-1')	79	141 S1+
880-18562-2	H-2 (0-1')	94	102
880-18562-3	H-3 (0-1')	78	119
880-18562-4	H-4 (0-1')	83	109
880-18562-5	H-5 (0-1')	93	107
880-18562-5 MS	H-5 (0-1')	97	105
880-18562-5 MSD	H-5 (0-1')	100	104
880-18562-6	H-6 (0-1')	94	104
880-18562-7	H-7 (0-1')	92	106
880-18562-8	H-8 (0-1')	92	101
880-18562-9	H-9 (0-1')	96	107
880-18562-10	H-10 (0-1')	91	107
880-18562-11	H-11 (0-1')	99	101
880-18562-12	BG (0.5'-1.0')	97	103
880-18562-13	BG (1.5'-2.0')	98	107
880-18562-14	BG (2.5'-3.0')	95	107
880-18562-15	BH-1 (0-1')	109	97
880-18562-16	BH-1 (2'-3')	112	100
880-18562-17	BH-1 (3'-4')	113	100
880-18581-A-1-K MS	Matrix Spike	114	102
880-18581-A-1-L MSD	Matrix Spike Duplicate	109	97
LCS 880-33067/1-A	Lab Control Sample	91	103
LCS 880-33192/1-A	Lab Control Sample	94	102
LCS 880-33416/1-A	Lab Control Sample	122	105
LCS 880-33067/2-A	Lab Control Sample Dup	92	103
LCS 880-33192/2-A	Lab Control Sample Dup	96	99
LCS 880-33416/2-A	Lab Control Sample Dup	106	102
MB 880-33067/5-A	Method Blank	79	116
MB 880-33164/5-A	Method Blank	80	114
MB 880-33192/5-A	Method Blank	79	119
MB 880-33416/5-A	Method Blank	77	80

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-18562-1	H-1 (0-1')	79	79
880-18562-1 MS	H-1 (0-1')	66 S1-	59 S1-
880-18562-1 MSD	H-1 (0-1')	64 S1-	58 S1-
880-18562-2	H-2 (0-1')	86	86
880-18562-3	H-3 (0-1')	81	83
880-18562-4	H-4 (0-1')	87	92

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Surrogate Summary

Client: Tetra Tech, Inc.

Job ID: 880-18562-1

Project/Site: Bronco Water Release Revelation Pond

SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-18562-5	H-5 (0-1')	76	80
880-18562-6	H-6 (0-1')	77	78
880-18562-7	H-7 (0-1')	75	75
880-18562-8	H-8 (0-1')	86	96
880-18562-9	H-9 (0-1')	83	89
880-18562-10	H-10 (0-1')	90	97
880-18562-11	H-11 (0-1')	80	83
880-18562-12	BG (0.5'-1.0')	87	93
880-18562-13	BG (1.5'-2.0')	87	93
880-18562-14	BG (2.5'-3.0')	73	73
880-18562-15	BH-1 (0-1')	76	80
880-18562-16	BH-1 (2'-3')	78	83
880-18562-17	BH-1 (3'-4')	80	84
LCS 880-33060/2-A	Lab Control Sample	88	94
LCSD 880-33060/3-A	Lab Control Sample Dup	91	98
MB 880-33060/1-A	Method Blank	74	78

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: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-33067/5-A
 Matrix: Solid
 Analysis Batch: 33694

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 33067

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 16:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 16:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 16:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/26/22 13:58	09/03/22 16:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/26/22 13:58	09/03/22 16:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/26/22 13:58	09/03/22 16:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	08/26/22 13:58	09/03/22 16:29	1
1,4-Difluorobenzene (Surr)	116		70 - 130	08/26/22 13:58	09/03/22 16:29	1

Lab Sample ID: LCS 880-33067/1-A
 Matrix: Solid
 Analysis Batch: 33694

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 33067

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09833		mg/Kg		98	70 - 130
Toluene	0.100	0.09744		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.09415		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1722		mg/Kg		86	70 - 130
o-Xylene	0.100	0.09156		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-33067/2-A
 Matrix: Solid
 Analysis Batch: 33694

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 33067

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09032		mg/Kg		90	70 - 130	8	35
Toluene	0.100	0.08861		mg/Kg		89	70 - 130	9	35
Ethylbenzene	0.100	0.08351		mg/Kg		84	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.1563		mg/Kg		78	70 - 130	10	35
o-Xylene	0.100	0.08252		mg/Kg		83	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-18561-A-41-A MS
 Matrix: Solid
 Analysis Batch: 33694

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 33067

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.101	0.04596	F1	mg/Kg		44	70 - 130
Toluene	<0.00201	U F1	0.101	0.02704	F1	mg/Kg		26	70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-18561-A-41-A MS
Matrix: Solid
Analysis Batch: 33694

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 33067

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00201	U F1	0.101	0.02527	F1	mg/Kg		25	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.202	0.05221	F1	mg/Kg		25	70 - 130
o-Xylene	<0.00201	U F1	0.101	0.03159	F1	mg/Kg		31	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	122		70 - 130

Lab Sample ID: 880-18561-A-41-B MSD
Matrix: Solid
Analysis Batch: 33694

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 33067

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00201	U F1	0.0994	<0.00199	U F1	mg/Kg		0	70 - 130	NC	35
Toluene	<0.00201	U F1	0.0994	<0.00199	U F1	mg/Kg		0	70 - 130	NC	35
Ethylbenzene	<0.00201	U F1	0.0994	<0.00199	U F1	mg/Kg		0	70 - 130	NC	35
m-Xylene & p-Xylene	<0.00402	U F1	0.199	<0.00398	U F1	mg/Kg		0	70 - 130	NC	35
o-Xylene	<0.00201	U F1	0.0994	<0.00199	U F1	mg/Kg		0	70 - 130	NC	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	79		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: MB 880-33164/5-A
Matrix: Solid
Analysis Batch: 33341

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33164

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		08/29/22 09:09	08/30/22 16:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/29/22 09:09	08/30/22 16:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/29/22 09:09	08/30/22 16:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/29/22 09:09	08/30/22 16:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/29/22 09:09	08/30/22 16:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/29/22 09:09	08/30/22 16:07	1

Surrogate	MB	MB	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	80		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: MB 880-33192/5-A
Matrix: Solid
Analysis Batch: 33341

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33192

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:54	08/31/22 03:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:54	08/31/22 03:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:54	08/31/22 03:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/29/22 10:54	08/31/22 03:43	1

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-33192/5-A
Matrix: Solid
Analysis Batch: 33341

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33192

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/29/22 10:54	08/31/22 03:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/29/22 10:54	08/31/22 03:43	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	79		70 - 130	08/29/22 10:54	08/31/22 03:43	1
1,4-Difluorobenzene (Surr)	119		70 - 130	08/29/22 10:54	08/31/22 03:43	1

Lab Sample ID: LCS 880-33192/1-A
Matrix: Solid
Analysis Batch: 33341

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33192

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.1103		mg/Kg		110	70 - 130
Toluene	0.100	0.1041		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1013		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.1859		mg/Kg		93	70 - 130
o-Xylene	0.100	0.09868		mg/Kg		99	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-33192/2-A
Matrix: Solid
Analysis Batch: 33341

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33192

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Benzene	0.100	0.09862		mg/Kg		99	70 - 130	11	35
Toluene	0.100	0.09930		mg/Kg		99	70 - 130	5	35
Ethylbenzene	0.100	0.09893		mg/Kg		99	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1830		mg/Kg		92	70 - 130	2	35
o-Xylene	0.100	0.09822		mg/Kg		98	70 - 130	0	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-18562-5 MS
Matrix: Solid
Analysis Batch: 33341

Client Sample ID: H-5 (0-1')
Prep Type: Total/NA
Prep Batch: 33192

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	<0.00200	U	0.100	0.1031		mg/Kg		103	70 - 130
Toluene	0.00375		0.100	0.1018		mg/Kg		98	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09357		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.201	0.1703		mg/Kg		85	70 - 130
o-Xylene	<0.00200	U	0.100	0.09096		mg/Kg		91	70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-18562-5 MS
Matrix: Solid
Analysis Batch: 33341

Client Sample ID: H-5 (0-1')
Prep Type: Total/NA
Prep Batch: 33192

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-18562-5 MSD
Matrix: Solid
Analysis Batch: 33341

Client Sample ID: H-5 (0-1')
Prep Type: Total/NA
Prep Batch: 33192

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
	Benzene	<0.00200	U	0.0994	0.09438		mg/Kg		95	70 - 130	9
Toluene	0.00375		0.0994	0.1001		mg/Kg		97	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.0994	0.09390		mg/Kg		94	70 - 130	0	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.1716		mg/Kg		86	70 - 130	1	35
o-Xylene	<0.00200	U	0.0994	0.09181		mg/Kg		92	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-33416/5-A
Matrix: Solid
Analysis Batch: 33496

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33416

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Benzene	<0.00200	U	0.00200		mg/Kg		08/31/22 09:38	09/01/22 11:24
Toluene	<0.00200	U	0.00200		mg/Kg		08/31/22 09:38	09/01/22 11:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/31/22 09:38	09/01/22 11:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/31/22 09:38	09/01/22 11:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/31/22 09:38	09/01/22 11:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/31/22 09:38	09/01/22 11:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130	08/31/22 09:38	09/01/22 11:24	1
1,4-Difluorobenzene (Surr)	80		70 - 130	08/31/22 09:38	09/01/22 11:24	1

Lab Sample ID: LCS 880-33416/1-A
Matrix: Solid
Analysis Batch: 33496

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33416

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
	Benzene	0.100	0.1121		mg/Kg		112
Toluene	0.100	0.1069		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1139		mg/Kg		114	70 - 130
m-Xylene & p-Xylene	0.200	0.2296		mg/Kg		115	70 - 130
o-Xylene	0.100	0.1276		mg/Kg		128	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130

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QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-33416/1-A
Matrix: Solid
Analysis Batch: 33496

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33416

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

Lab Sample ID: LCSD 880-33416/2-A
Matrix: Solid
Analysis Batch: 33496

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 33416

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08760		mg/Kg		88	70 - 130	25	35
Toluene	0.100	0.09256		mg/Kg		93	70 - 130	14	35
Ethylbenzene	0.100	0.09249		mg/Kg		92	70 - 130	21	35
m-Xylene & p-Xylene	0.200	0.1860		mg/Kg		93	70 - 130	21	35
o-Xylene	0.100	0.1031		mg/Kg		103	70 - 130	21	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-18581-A-1-K MS
Matrix: Solid
Analysis Batch: 33496

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 33416

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0998	0.08964		mg/Kg		90	70 - 130
Toluene	<0.00201	U	0.0998	0.08837		mg/Kg		89	70 - 130
Ethylbenzene	<0.00201	U	0.0998	0.08726		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1744		mg/Kg		87	70 - 130
o-Xylene	<0.00201	U	0.0998	0.09787		mg/Kg		98	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-18581-A-1-L MSD
Matrix: Solid
Analysis Batch: 33496

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 33416

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0996	0.09556		mg/Kg		96	70 - 130	6	35
Toluene	<0.00201	U	0.0996	0.09620		mg/Kg		97	70 - 130	8	35
Ethylbenzene	<0.00201	U	0.0996	0.09230		mg/Kg		93	70 - 130	6	35
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1864		mg/Kg		94	70 - 130	7	35
o-Xylene	<0.00201	U	0.0996	0.1024		mg/Kg		103	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-33060/1-A
 Matrix: Solid
 Analysis Batch: 33106

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 33060

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		08/26/22 13:02	08/27/22 20:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/27/22 20:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/26/22 13:02	08/27/22 20:36	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	74		70 - 130	08/26/22 13:02	08/27/22 20:36	1
o-Terphenyl	78		70 - 130	08/26/22 13:02	08/27/22 20:36	1

Lab Sample ID: LCS 880-33060/2-A
 Matrix: Solid
 Analysis Batch: 33106

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 33060

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	897.9		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	1000	788.7		mg/Kg		79	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1-Chlorooctane	88		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: LCSD 880-33060/3-A
 Matrix: Solid
 Analysis Batch: 33106

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 33060

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	922.5		mg/Kg		92	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	853.5		mg/Kg		85	70 - 130	8	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1-Chlorooctane	91		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: 880-18562-1 MS
 Matrix: Solid
 Analysis Batch: 33106

Client Sample ID: H-1 (0-1')
 Prep Type: Total/NA
 Prep Batch: 33060

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	882.9		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	609.4	F1	mg/Kg		61	70 - 130

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-18562-1 MS
 Matrix: Solid
 Analysis Batch: 33106

Client Sample ID: H-1 (0-1')
 Prep Type: Total/NA
 Prep Batch: 33060

Surrogate	%Recovery	MS MS Qualifier	Limits
1-Chlorooctane	66	S1-	70 - 130
o-Terphenyl	59	S1-	70 - 130

Lab Sample ID: 880-18562-1 MSD
 Matrix: Solid
 Analysis Batch: 33106

Client Sample ID: H-1 (0-1')
 Prep Type: Total/NA
 Prep Batch: 33060

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	998	899.3		mg/Kg		88	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	594.2	F1	mg/Kg		60	70 - 130	3	20

Surrogate	%Recovery	MSD MSD Qualifier	Limits
1-Chlorooctane	64	S1-	70 - 130
o-Terphenyl	58	S1-	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-33077/1-A
 Matrix: Solid
 Analysis Batch: 33280

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			08/30/22 08:47	1

Lab Sample ID: LCS 880-33077/2-A
 Matrix: Solid
 Analysis Batch: 33280

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	248.6		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-33077/3-A
 Matrix: Solid
 Analysis Batch: 33280

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	248.5		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-18561-A-51-D MS
 Matrix: Solid
 Analysis Batch: 33280

Client Sample ID: Matrix Spike
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	135		252	379.2		mg/Kg		97	90 - 110

QC Sample Results

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-18561-A-51-E MSD
Matrix: Solid
Analysis Batch: 33280

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	135		251	377.8		mg/Kg		97	90 - 110	0	20

Lab Sample ID: MB 880-33078/1-A
Matrix: Solid
Analysis Batch: 33397

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			08/31/22 12:27	1

Lab Sample ID: LCS 880-33078/2-A
Matrix: Solid
Analysis Batch: 33397

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	255.2		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-33078/3-A
Matrix: Solid
Analysis Batch: 33397

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	256.5		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 880-18562-5 MS
Matrix: Solid
Analysis Batch: 33397

Client Sample ID: H-5 (0-1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	13.0	F1	250	303.7	F1	mg/Kg		116	90 - 110

Lab Sample ID: 880-18562-5 MSD
Matrix: Solid
Analysis Batch: 33397

Client Sample ID: H-5 (0-1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	13.0	F1	250	294.1	F1	mg/Kg		112	90 - 110	3	20

Lab Sample ID: 880-18562-15 MS
Matrix: Solid
Analysis Batch: 33397

Client Sample ID: BH-1 (0-1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	7000	F1	2490	10550	F1	mg/Kg		143	90 - 110

Lab Sample ID: 880-18562-15 MSD
Matrix: Solid
Analysis Batch: 33397

Client Sample ID: BH-1 (0-1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	7000	F1	2490	10110	F1	mg/Kg		125	90 - 110	4	20

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 33067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18562-1	H-1 (0-1')	Total/NA	Solid	5035	
880-18562-2	H-2 (0-1')	Total/NA	Solid	5035	
880-18562-3	H-3 (0-1')	Total/NA	Solid	5035	
880-18562-4	H-4 (0-1')	Total/NA	Solid	5035	
MB 880-33067/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-33067/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-33067/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-18561-A-41-A MS	Matrix Spike	Total/NA	Solid	5035	
880-18561-A-41-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 33164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-33164/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 33192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18562-5	H-5 (0-1')	Total/NA	Solid	5035	
880-18562-6	H-6 (0-1')	Total/NA	Solid	5035	
880-18562-7	H-7 (0-1')	Total/NA	Solid	5035	
880-18562-8	H-8 (0-1')	Total/NA	Solid	5035	
880-18562-9	H-9 (0-1')	Total/NA	Solid	5035	
880-18562-10	H-10 (0-1')	Total/NA	Solid	5035	
880-18562-11	H-11 (0-1')	Total/NA	Solid	5035	
880-18562-12	BG (0.5'-1.0')	Total/NA	Solid	5035	
880-18562-13	BG (1.5'-2.0')	Total/NA	Solid	5035	
880-18562-14	BG (2.5'-3.0')	Total/NA	Solid	5035	
MB 880-33192/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-33192/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-33192/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-18562-5 MS	H-5 (0-1')	Total/NA	Solid	5035	
880-18562-5 MSD	H-5 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 33341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18562-5	H-5 (0-1')	Total/NA	Solid	8021B	33192
880-18562-6	H-6 (0-1')	Total/NA	Solid	8021B	33192
880-18562-7	H-7 (0-1')	Total/NA	Solid	8021B	33192
880-18562-8	H-8 (0-1')	Total/NA	Solid	8021B	33192
880-18562-9	H-9 (0-1')	Total/NA	Solid	8021B	33192
880-18562-10	H-10 (0-1')	Total/NA	Solid	8021B	33192
880-18562-11	H-11 (0-1')	Total/NA	Solid	8021B	33192
880-18562-12	BG (0.5'-1.0')	Total/NA	Solid	8021B	33192
880-18562-13	BG (1.5'-2.0')	Total/NA	Solid	8021B	33192
880-18562-14	BG (2.5'-3.0')	Total/NA	Solid	8021B	33192
MB 880-33164/5-A	Method Blank	Total/NA	Solid	8021B	33164
MB 880-33192/5-A	Method Blank	Total/NA	Solid	8021B	33192
LCS 880-33192/1-A	Lab Control Sample	Total/NA	Solid	8021B	33192
LCSD 880-33192/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	33192
880-18562-5 MS	H-5 (0-1')	Total/NA	Solid	8021B	33192
880-18562-5 MSD	H-5 (0-1')	Total/NA	Solid	8021B	33192

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 33416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18562-15	BH-1 (0-1')	Total/NA	Solid	5035	
880-18562-16	BH-1 (2'-3')	Total/NA	Solid	5035	
880-18562-17	BH-1 (3'-4')	Total/NA	Solid	5035	
MB 880-33416/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-33416/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-33416/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-18581-A-1-K MS	Matrix Spike	Total/NA	Solid	5035	
880-18581-A-1-L MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 33447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18562-1	H-1 (0-1')	Total/NA	Solid	Total BTEX	
880-18562-2	H-2 (0-1')	Total/NA	Solid	Total BTEX	
880-18562-3	H-3 (0-1')	Total/NA	Solid	Total BTEX	
880-18562-4	H-4 (0-1')	Total/NA	Solid	Total BTEX	
880-18562-5	H-5 (0-1')	Total/NA	Solid	Total BTEX	
880-18562-6	H-6 (0-1')	Total/NA	Solid	Total BTEX	
880-18562-7	H-7 (0-1')	Total/NA	Solid	Total BTEX	
880-18562-8	H-8 (0-1')	Total/NA	Solid	Total BTEX	
880-18562-9	H-9 (0-1')	Total/NA	Solid	Total BTEX	
880-18562-10	H-10 (0-1')	Total/NA	Solid	Total BTEX	
880-18562-11	H-11 (0-1')	Total/NA	Solid	Total BTEX	
880-18562-12	BG (0.5'-1.0')	Total/NA	Solid	Total BTEX	
880-18562-13	BG (1.5'-2.0')	Total/NA	Solid	Total BTEX	
880-18562-14	BG (2.5'-3.0')	Total/NA	Solid	Total BTEX	
880-18562-15	BH-1 (0-1')	Total/NA	Solid	Total BTEX	
880-18562-16	BH-1 (2'-3')	Total/NA	Solid	Total BTEX	
880-18562-17	BH-1 (3'-4')	Total/NA	Solid	Total BTEX	

Analysis Batch: 33496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18562-15	BH-1 (0-1')	Total/NA	Solid	8021B	33416
880-18562-16	BH-1 (2'-3')	Total/NA	Solid	8021B	33416
880-18562-17	BH-1 (3'-4')	Total/NA	Solid	8021B	33416
MB 880-33416/5-A	Method Blank	Total/NA	Solid	8021B	33416
LCS 880-33416/1-A	Lab Control Sample	Total/NA	Solid	8021B	33416
LCSD 880-33416/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	33416
880-18581-A-1-K MS	Matrix Spike	Total/NA	Solid	8021B	33416
880-18581-A-1-L MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	33416

Analysis Batch: 33694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18562-1	H-1 (0-1')	Total/NA	Solid	8021B	33067
880-18562-2	H-2 (0-1')	Total/NA	Solid	8021B	33067
880-18562-3	H-3 (0-1')	Total/NA	Solid	8021B	33067
880-18562-4	H-4 (0-1')	Total/NA	Solid	8021B	33067
MB 880-33067/5-A	Method Blank	Total/NA	Solid	8021B	33067
LCS 880-33067/1-A	Lab Control Sample	Total/NA	Solid	8021B	33067
LCSD 880-33067/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	33067
880-18561-A-41-A MS	Matrix Spike	Total/NA	Solid	8021B	33067
880-18561-A-41-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	33067

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

GC Semi VOA

Prep Batch: 33060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18562-1	H-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-18562-2	H-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-18562-3	H-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-18562-4	H-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-18562-5	H-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-18562-6	H-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-18562-7	H-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-18562-8	H-8 (0-1')	Total/NA	Solid	8015NM Prep	
880-18562-9	H-9 (0-1')	Total/NA	Solid	8015NM Prep	
880-18562-10	H-10 (0-1')	Total/NA	Solid	8015NM Prep	
880-18562-11	H-11 (0-1')	Total/NA	Solid	8015NM Prep	
880-18562-12	BG (0.5'-1.0')	Total/NA	Solid	8015NM Prep	
880-18562-13	BG (1.5'-2.0')	Total/NA	Solid	8015NM Prep	
880-18562-14	BG (2.5'-3.0')	Total/NA	Solid	8015NM Prep	
880-18562-15	BH-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-18562-16	BH-1 (2'-3')	Total/NA	Solid	8015NM Prep	
880-18562-17	BH-1 (3'-4')	Total/NA	Solid	8015NM Prep	
MB 880-33060/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-33060/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-33060/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-18562-1 MS	H-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-18562-1 MSD	H-1 (0-1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 33106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18562-1	H-1 (0-1')	Total/NA	Solid	8015B NM	33060
880-18562-2	H-2 (0-1')	Total/NA	Solid	8015B NM	33060
880-18562-3	H-3 (0-1')	Total/NA	Solid	8015B NM	33060
880-18562-4	H-4 (0-1')	Total/NA	Solid	8015B NM	33060
880-18562-5	H-5 (0-1')	Total/NA	Solid	8015B NM	33060
880-18562-6	H-6 (0-1')	Total/NA	Solid	8015B NM	33060
880-18562-7	H-7 (0-1')	Total/NA	Solid	8015B NM	33060
880-18562-8	H-8 (0-1')	Total/NA	Solid	8015B NM	33060
880-18562-9	H-9 (0-1')	Total/NA	Solid	8015B NM	33060
880-18562-10	H-10 (0-1')	Total/NA	Solid	8015B NM	33060
880-18562-11	H-11 (0-1')	Total/NA	Solid	8015B NM	33060
880-18562-12	BG (0.5'-1.0')	Total/NA	Solid	8015B NM	33060
880-18562-13	BG (1.5'-2.0')	Total/NA	Solid	8015B NM	33060
880-18562-14	BG (2.5'-3.0')	Total/NA	Solid	8015B NM	33060
880-18562-15	BH-1 (0-1')	Total/NA	Solid	8015B NM	33060
880-18562-16	BH-1 (2'-3')	Total/NA	Solid	8015B NM	33060
880-18562-17	BH-1 (3'-4')	Total/NA	Solid	8015B NM	33060
MB 880-33060/1-A	Method Blank	Total/NA	Solid	8015B NM	33060
LCS 880-33060/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	33060
LCSD 880-33060/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	33060
880-18562-1 MS	H-1 (0-1')	Total/NA	Solid	8015B NM	33060
880-18562-1 MSD	H-1 (0-1')	Total/NA	Solid	8015B NM	33060

Analysis Batch: 33178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18562-1	H-1 (0-1')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 33178 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18562-2	H-2 (0-1')	Total/NA	Solid	8015 NM	
880-18562-3	H-3 (0-1')	Total/NA	Solid	8015 NM	
880-18562-4	H-4 (0-1')	Total/NA	Solid	8015 NM	
880-18562-5	H-5 (0-1')	Total/NA	Solid	8015 NM	
880-18562-6	H-6 (0-1')	Total/NA	Solid	8015 NM	
880-18562-7	H-7 (0-1')	Total/NA	Solid	8015 NM	
880-18562-8	H-8 (0-1')	Total/NA	Solid	8015 NM	
880-18562-9	H-9 (0-1')	Total/NA	Solid	8015 NM	
880-18562-10	H-10 (0-1')	Total/NA	Solid	8015 NM	
880-18562-11	H-11 (0-1')	Total/NA	Solid	8015 NM	
880-18562-12	BG (0.5'-1.0')	Total/NA	Solid	8015 NM	
880-18562-13	BG (1.5'-2.0')	Total/NA	Solid	8015 NM	
880-18562-14	BG (2.5'-3.0')	Total/NA	Solid	8015 NM	
880-18562-15	BH-1 (0-1')	Total/NA	Solid	8015 NM	
880-18562-16	BH-1 (2'-3')	Total/NA	Solid	8015 NM	
880-18562-17	BH-1 (3'-4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 33077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18562-1	H-1 (0-1')	Soluble	Solid	DI Leach	
880-18562-2	H-2 (0-1')	Soluble	Solid	DI Leach	
880-18562-3	H-3 (0-1')	Soluble	Solid	DI Leach	
880-18562-4	H-4 (0-1')	Soluble	Solid	DI Leach	
MB 880-33077/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-33077/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-33077/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-18561-A-51-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-18561-A-51-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 33078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18562-5	H-5 (0-1')	Soluble	Solid	DI Leach	
880-18562-6	H-6 (0-1')	Soluble	Solid	DI Leach	
880-18562-7	H-7 (0-1')	Soluble	Solid	DI Leach	
880-18562-8	H-8 (0-1')	Soluble	Solid	DI Leach	
880-18562-9	H-9 (0-1')	Soluble	Solid	DI Leach	
880-18562-10	H-10 (0-1')	Soluble	Solid	DI Leach	
880-18562-11	H-11 (0-1')	Soluble	Solid	DI Leach	
880-18562-12	BG (0.5'-1.0')	Soluble	Solid	DI Leach	
880-18562-13	BG (1.5'-2.0')	Soluble	Solid	DI Leach	
880-18562-14	BG (2.5'-3.0')	Soluble	Solid	DI Leach	
880-18562-15	BH-1 (0-1')	Soluble	Solid	DI Leach	
880-18562-16	BH-1 (2'-3')	Soluble	Solid	DI Leach	
880-18562-17	BH-1 (3'-4')	Soluble	Solid	DI Leach	
MB 880-33078/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-33078/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-33078/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-18562-5 MS	H-5 (0-1')	Soluble	Solid	DI Leach	
880-18562-5 MSD	H-5 (0-1')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 33078 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18562-15 MS	BH-1 (0-1')	Soluble	Solid	DI Leach	
880-18562-15 MSD	BH-1 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 33280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18562-1	H-1 (0-1')	Soluble	Solid	300.0	33077
880-18562-2	H-2 (0-1')	Soluble	Solid	300.0	33077
880-18562-3	H-3 (0-1')	Soluble	Solid	300.0	33077
880-18562-4	H-4 (0-1')	Soluble	Solid	300.0	33077
MB 880-33077/1-A	Method Blank	Soluble	Solid	300.0	33077
LCS 880-33077/2-A	Lab Control Sample	Soluble	Solid	300.0	33077
LCSD 880-33077/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	33077
880-18561-A-51-D MS	Matrix Spike	Soluble	Solid	300.0	33077
880-18561-A-51-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	33077

Analysis Batch: 33397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18562-5	H-5 (0-1')	Soluble	Solid	300.0	33078
880-18562-6	H-6 (0-1')	Soluble	Solid	300.0	33078
880-18562-7	H-7 (0-1')	Soluble	Solid	300.0	33078
880-18562-8	H-8 (0-1')	Soluble	Solid	300.0	33078
880-18562-9	H-9 (0-1')	Soluble	Solid	300.0	33078
880-18562-10	H-10 (0-1')	Soluble	Solid	300.0	33078
880-18562-11	H-11 (0-1')	Soluble	Solid	300.0	33078
880-18562-12	BG (0.5'-1.0')	Soluble	Solid	300.0	33078
880-18562-13	BG (1.5'-2.0')	Soluble	Solid	300.0	33078
880-18562-14	BG (2.5'-3.0')	Soluble	Solid	300.0	33078
880-18562-15	BH-1 (0-1')	Soluble	Solid	300.0	33078
880-18562-16	BH-1 (2'-3')	Soluble	Solid	300.0	33078
880-18562-17	BH-1 (3'-4')	Soluble	Solid	300.0	33078
MB 880-33078/1-A	Method Blank	Soluble	Solid	300.0	33078
LCS 880-33078/2-A	Lab Control Sample	Soluble	Solid	300.0	33078
LCSD 880-33078/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	33078
880-18562-5 MS	H-5 (0-1')	Soluble	Solid	300.0	33078
880-18562-5 MSD	H-5 (0-1')	Soluble	Solid	300.0	33078
880-18562-15 MS	BH-1 (0-1')	Soluble	Solid	300.0	33078
880-18562-15 MSD	BH-1 (0-1')	Soluble	Solid	300.0	33078

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-18562-1

Date Collected: 08/23/22 09:00

Matrix: Solid

Date Received: 08/26/22 11:31

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	33067	08/26/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33694	09/04/22 00:46	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33447	08/31/22 11:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			33178	08/29/22 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33060	08/26/22 13:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33106	08/27/22 21:36	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	33077	08/26/22 14:58	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33280	08/30/22 12:44	CH	EET MID

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

Lab Sample ID: 880-18562-2

Date Collected: 08/23/22 09:10

Matrix: Solid

Date Received: 08/26/22 11:31

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	33067	08/26/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33694	09/04/22 01:06	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33447	08/31/22 11:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			33178	08/29/22 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	33060	08/26/22 13:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33106	08/27/22 22:35	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	33077	08/26/22 14:58	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33280	08/30/22 13:25	CH	EET MID

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

Lab Sample ID: 880-18562-3

Date Collected: 08/23/22 09:20

Matrix: Solid

Date Received: 08/26/22 11:31

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	33067	08/26/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33694	09/04/22 01:27	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33447	08/31/22 11:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			33178	08/29/22 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33060	08/26/22 13:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33106	08/27/22 22:55	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	33077	08/26/22 14:58	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33280	08/30/22 12:52	CH	EET MID

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

Lab Sample ID: 880-18562-4

Date Collected: 08/23/22 09:30

Matrix: Solid

Date Received: 08/26/22 11:31

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	33067	08/26/22 13:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33694	09/04/22 01:47	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			33447	08/31/22 11:34	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-18562-4

Date Collected: 08/23/22 09:30

Matrix: Solid

Date Received: 08/26/22 11:31

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			33178	08/29/22 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33060	08/26/22 13:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33106	08/27/22 23:16	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	33077	08/26/22 14:58	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	33280	08/30/22 12:58	CH	EET MID

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

Lab Sample ID: 880-18562-5

Date Collected: 08/23/22 09:40

Matrix: Solid

Date Received: 08/26/22 11:31

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	33192	08/29/22 10:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33341	08/31/22 04:12	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33447	08/31/22 11:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			33178	08/29/22 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33060	08/26/22 13:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33106	08/27/22 23:35	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	33078	08/26/22 15:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33397	08/31/22 12:55	CH	EET MID

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

Lab Sample ID: 880-18562-6

Date Collected: 08/23/22 09:50

Matrix: Solid

Date Received: 08/26/22 11:31

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	33192	08/29/22 10:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33341	08/31/22 04:32	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33447	08/31/22 11:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			33178	08/29/22 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	33060	08/26/22 13:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33106	08/27/22 23:56	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	33078	08/26/22 15:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33397	08/31/22 13:23	CH	EET MID

Client Sample ID: H-7 (0-1')

Lab Sample ID: 880-18562-7

Date Collected: 08/23/22 10:00

Matrix: Solid

Date Received: 08/26/22 11:31

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	33192	08/29/22 10:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33341	08/31/22 04:53	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33447	08/31/22 11:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			33178	08/29/22 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33060	08/26/22 13:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33106	08/28/22 00:15	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

Client Sample ID: H-7 (0-1')

Lab Sample ID: 880-18562-7

Date Collected: 08/23/22 10:00

Matrix: Solid

Date Received: 08/26/22 11:31

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 g	50 mL	33078	08/26/22 15:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33397	08/31/22 13:32	CH	EET MID

Client Sample ID: H-8 (0-1')

Lab Sample ID: 880-18562-8

Date Collected: 08/23/22 10:10

Matrix: Solid

Date Received: 08/26/22 11:31

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	33192	08/29/22 10:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33341	08/31/22 05:13	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33447	08/31/22 11:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			33178	08/29/22 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	33060	08/26/22 13:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33106	08/28/22 00:36	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	33078	08/26/22 15:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33397	08/31/22 13:41	CH	EET MID

Client Sample ID: H-9 (0-1')

Lab Sample ID: 880-18562-9

Date Collected: 08/23/22 10:20

Matrix: Solid

Date Received: 08/26/22 11:31

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	33192	08/29/22 10:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33341	08/31/22 05:33	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33447	08/31/22 11:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			33178	08/29/22 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33060	08/26/22 13:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33106	08/28/22 00:55	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	33078	08/26/22 15:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33397	08/31/22 13:50	CH	EET MID

Client Sample ID: H-10 (0-1')

Lab Sample ID: 880-18562-10

Date Collected: 08/23/22 10:30

Matrix: Solid

Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	33192	08/29/22 10:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33341	08/31/22 05:54	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33447	08/31/22 11:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			33178	08/29/22 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33060	08/26/22 13:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33106	08/28/22 01:16	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	33078	08/26/22 15:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33397	08/31/22 14:18	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

Client Sample ID: H-11 (0-1')

Lab Sample ID: 880-18562-11

Date Collected: 08/23/22 10:40

Matrix: Solid

Date Received: 08/26/22 11:31

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	33192	08/29/22 10:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33341	08/31/22 06:14	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33447	08/31/22 11:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			33178	08/29/22 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	33060	08/26/22 13:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33106	08/28/22 01:56	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	33078	08/26/22 15:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33397	08/31/22 14:27	CH	EET MID

Client Sample ID: BG (0.5'-1.0')

Lab Sample ID: 880-18562-12

Date Collected: 08/24/22 10:00

Matrix: Solid

Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	33192	08/29/22 10:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33341	08/31/22 06:35	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33447	08/31/22 11:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			33178	08/29/22 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	33060	08/26/22 13:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33106	08/28/22 02:16	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	33078	08/26/22 15:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33397	08/31/22 14:36	CH	EET MID

Client Sample ID: BG (1.5'-2.0')

Lab Sample ID: 880-18562-13

Date Collected: 08/24/22 10:10

Matrix: Solid

Date Received: 08/26/22 11:31

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	33192	08/29/22 10:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33341	08/31/22 06:55	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33447	08/31/22 11:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			33178	08/29/22 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	33060	08/26/22 13:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33106	08/28/22 02:35	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	33078	08/26/22 15:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33397	08/31/22 14:45	CH	EET MID

Client Sample ID: BG (2.5'-3.0')

Lab Sample ID: 880-18562-14

Date Collected: 08/24/22 10:20

Matrix: Solid

Date Received: 08/26/22 11:31

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	33192	08/29/22 10:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33341	08/31/22 07:16	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33447	08/31/22 11:34	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

Client Sample ID: BG (2.5'-3.0')

Lab Sample ID: 880-18562-14

Date Collected: 08/24/22 10:20

Matrix: Solid

Date Received: 08/26/22 11:31

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			33178	08/29/22 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33060	08/26/22 13:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33106	08/28/22 02:55	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	33078	08/26/22 15:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33397	08/31/22 14:55	CH	EET MID

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

Lab Sample ID: 880-18562-15

Date Collected: 08/24/22 11:30

Matrix: Solid

Date Received: 08/26/22 11:31

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	33416	08/31/22 09:38	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33496	09/01/22 20:19	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33447	08/31/22 11:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			33178	08/29/22 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	33060	08/26/22 13:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33106	08/28/22 03:15	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	33078	08/26/22 15:03	KS	EET MID
Soluble	Analysis	300.0		10	0 mL	0 mL	33397	08/31/22 15:04	CH	EET MID

Client Sample ID: BH-1 (2'-3')

Lab Sample ID: 880-18562-16

Date Collected: 08/24/22 11:40

Matrix: Solid

Date Received: 08/26/22 11:31

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	33416	08/31/22 09:38	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33496	09/01/22 20:44	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33447	08/31/22 11:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			33178	08/29/22 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	33060	08/26/22 13:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33106	08/28/22 03:35	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	33078	08/30/22 14:57	KS	EET MID
Soluble	Analysis	300.0		5	0 mL	0 mL	33397	08/31/22 15:32	CH	EET MID

Client Sample ID: BH-1 (3'-4')

Lab Sample ID: 880-18562-17

Date Collected: 08/24/22 12:00

Matrix: Solid

Date Received: 08/26/22 11:31

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	33416	08/31/22 09:38	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33496	09/01/22 21:09	MR	EET MID
Total/NA	Analysis	Total BTEX		1			33447	08/31/22 11:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			33178	08/29/22 10:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33060	08/26/22 13:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33106	08/28/22 03:55	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
SDG: Lea County, New Mexico

Client Sample ID: BH-1 (3'-4')

Lab Sample ID: 880-18562-17

Date Collected: 08/24/22 12:00

Matrix: Solid

Date Received: 08/26/22 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	33078	08/30/22 14:57	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	0 mL	33397	08/31/22 15:41	CH	EET MID

Laboratory References:

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

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Accreditation/Certification Summary

Client: Tetra Tech, Inc.
Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
SDG: Lea County, New Mexico

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	T104704400-22-24	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

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Method Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

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	MCAWW	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
- MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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



Sample Summary

Client: Tetra Tech, Inc.
 Project/Site: Bronco Water Release Revelation Pond

Job ID: 880-18562-1
 SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-18562-1	H-1 (0-1')	Solid	08/23/22 09:00	08/26/22 11:31
880-18562-2	H-2 (0-1')	Solid	08/23/22 09:10	08/26/22 11:31
880-18562-3	H-3 (0-1')	Solid	08/23/22 09:20	08/26/22 11:31
880-18562-4	H-4 (0-1')	Solid	08/23/22 09:30	08/26/22 11:31
880-18562-5	H-5 (0-1')	Solid	08/23/22 09:40	08/26/22 11:31
880-18562-6	H-6 (0-1')	Solid	08/23/22 09:50	08/26/22 11:31
880-18562-7	H-7 (0-1')	Solid	08/23/22 10:00	08/26/22 11:31
880-18562-8	H-8 (0-1')	Solid	08/23/22 10:10	08/26/22 11:31
880-18562-9	H-9 (0-1')	Solid	08/23/22 10:20	08/26/22 11:31
880-18562-10	H-10 (0-1')	Solid	08/23/22 10:30	08/26/22 11:31
880-18562-11	H-11 (0-1')	Solid	08/23/22 10:40	08/26/22 11:31
880-18562-12	BG (0.5'-1.0')	Solid	08/24/22 10:00	08/26/22 11:31
880-18562-13	BG (1.5'-2.0')	Solid	08/24/22 10:10	08/26/22 11:31
880-18562-14	BG (2.5'-3.0')	Solid	08/24/22 10:20	08/26/22 11:31
880-18562-15	BH-1 (0-1')	Solid	08/24/22 11:30	08/26/22 11:31
880-18562-16	BH-1 (2'-3')	Solid	08/24/22 11:40	08/26/22 11:31
880-18562-17	BH-1 (3'-4')	Solid	08/24/22 12:00	08/26/22 11:31

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Tetra Tech, Inc.

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



880-18562 Chain of Custody

Client Name: Solaris Site Manager: Clair Gonzales

Project Name: Bronco Water Release Revelation Pond Contact Info: Email Clair.Gonzales@tetratech.com Phone (432) 260-8634

Project Location (county, state): Lea County, New Mexico Project #: 212C-MD-02820

Invoice to: Accounts Payable 901 West Wall Street, Suite 100 Midland Texas 79701

Receiving Laboratory: Eurofins Xenco Sampler Signature: Miguel A. Flores

Comments

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION		SAMPLING		MATRIX					PRESERVATIVE METHOD					# CONTAINERS	
			YEAR 2022	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	NONE	#	FILTERED (Y/N)			
	H-1 (0-1)		8/23		900	X		X						1	N	
	H-2 (0-1)		8/23		910	X		X						1	N	
	H-3 (0-1)		8/23		920	X		X						1	N	
	H-4 (0-1)		8/23		930	X		X						1	N	
	H-5 (0-1)		8/23		940	X		X						1	N	
	H-6 (0-1)		8/23		950	X		X						1	N	
	H-7 (0-1)		8/23		1000	X		X						1	N	
	H-8 (0-1)		8/23		1010	X		X						1	N	
	H-9 (0-1)		8/23		1020	X		X						1	N	
	H-10 (0-1)		8/23		1030	X		X						1	N	

Relinquished by: Miguel A. Flores Date: 8/26/2022
 Received by: *[Signature]* Date: 8/26/2022 Time: 1:31

Relinquished by: _____ Date: _____
 Received by: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____
 Received by: _____ Date: _____ Time: _____

ORIGINAL COPY

(Circle or Specify Method No.)

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

LAB USE ONLY
 Sample Temperature: *C. 10/15*
 REMARKS:
 Standard
 RUSH 72 hr
 Rush Charges Authorized
 Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

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Tetra Tech, Inc.

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

18568

Client Name: Solars Site Manager: Clair Gonzales

Project Name: Bronco Water Release Revelation Pond Contact Info: Email: Clair.Gonzales@tetratech.com
Phone: (432) 260-8634

Project Location: Lea County New Mexico Project #: 212C-MD-02820

Invoice to: Accounts Payable 901 West Wall Street Suite 100 Midland Texas 79701

Receiving Laboratory: Eurofins Xenco Sampler Signature: Miguel A Flores

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION		SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)		
			YEAR	DATE	WATER	SOIL	HCL	HNO ₃			ICE	NONE
			2022	TIME								
	H-11 (0-1)		8/23	1040	X		X		1	N		
	BG (0.5-1.0)		8/24	1000	X		X		1	N		
	BG (1.5-2.0)		8/24	1010	X		X		1	N		
	BG (2.5-3.0)		8/24	1020	X		X		1	N		
	BH-1 (0-1)		8/24	1130	X		X		1	N		
	BH-1 (2-3)		8/24	1140	X		X		1	N		
	BH-1 (3-4)		8/24	1200	X		X		1	N		

Relinquished by: Miguel A. Flores Date: 8/26/2022 Time: Received by: *Boque* Date: 8/26/22 Time: 1131

Relinquished by: Date: Time: Received by: Date: Time:

Relinquished by: Date: Time: Received by: Date: Time:

ANALYSIS REQUEST
(Circle or Specify Method No.)

<input type="checkbox"/>	BTEX 8021B	BTEX 8260B
<input type="checkbox"/>	TPH TX1005 (Ext to C35)	
<input type="checkbox"/>	TPH 8015M (GRO - DRO - ORO - MRO)	
<input type="checkbox"/>	PAH 8270C	
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg	
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
<input type="checkbox"/>	TCLP Volatiles	
<input type="checkbox"/>	TCLP Semi Volatiles	
<input type="checkbox"/>	RCI	
<input type="checkbox"/>	GC/MS Vol 8260B / 624	
<input type="checkbox"/>	GC/MS Semi Vol 8270C/625	
<input type="checkbox"/>	PCBs 8082 / 608	
<input type="checkbox"/>	NORM	
<input type="checkbox"/>	PLM (Asbestos)	
<input type="checkbox"/>	Chloride 300 0	
<input type="checkbox"/>	Chloride Sulfate TDS	
<input type="checkbox"/>	General Water Chemistry (see attached list)	
<input type="checkbox"/>	Anion/Cation Balance	
<input type="checkbox"/>	TPH 8015R	
<input type="checkbox"/>	HOLD	

LAB USE ONLY
Sample Temperature: *0.4/c.8*

REMARKS:
 Standard
 RUSH 72 hr
 Rush Charges Authorized
 Special Report Limits or TRRP Report

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-18562-1
SDG Number: Lea County, New Mexico

Login Number: 18562

List Number: 1

Creator: Teel, Brianna

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	

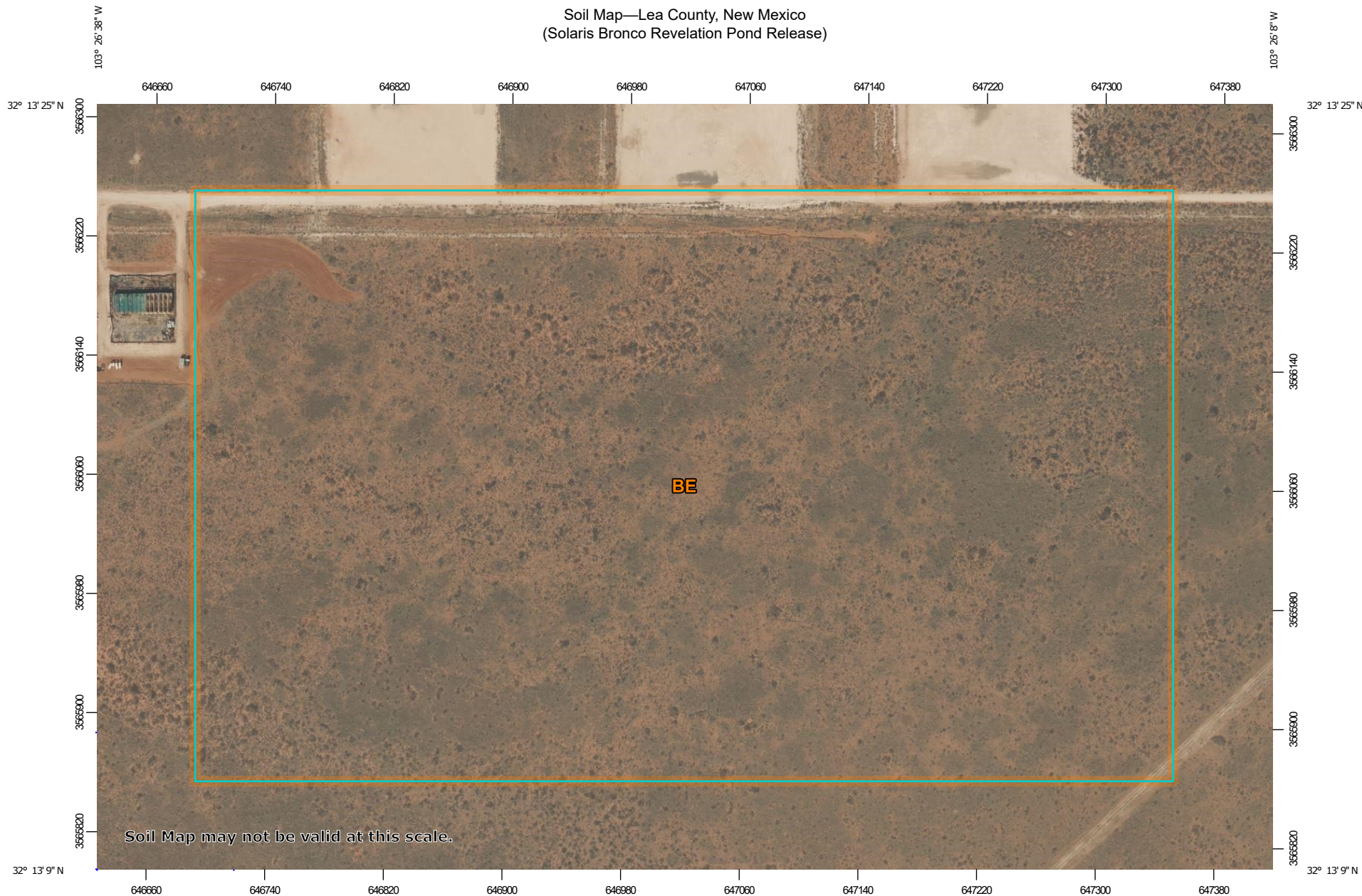
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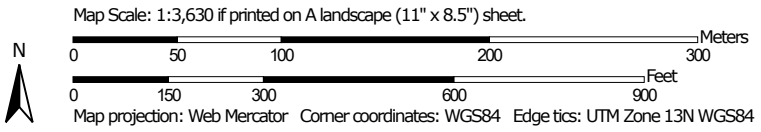
Appendix E

Soil Survey Data

Soil Map—Lea County, New Mexico
(Solaris Bronco Revelation Pond Release)




Soil Map may not be valid at this scale.



Soil Map—Lea County, New Mexico
(Solaris Bronco Revelation Pond Release)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)




















Soils




 Soil Map Unit Polygons

 Soil Map Unit Lines


 Soil Map Unit Points

Special Point Features






-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features

Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 19, Sep 8, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BE	Berino-Cacique loamy fine sands association	64.9	100.0%
Totals for Area of Interest		64.9	100.0%

Map Unit Description

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named, soils that are similar to the named components, and some minor components that differ in use and management from the major soils.

Most of the soils similar to the major components have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Some minor components, however, have properties and behavior characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. All the soils of a series have major horizons that are similar in composition, thickness, and arrangement. Soils of a given series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Additional information about the map units described in this report is available in other soil reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the soil reports define some of the properties included in the map unit descriptions.

Lea County, New Mexico

BE—Berino-Cacique loamy fine sands association

Map Unit Setting

National map unit symbol: dmpd

Elevation: 3,000 to 3,900 feet

Mean annual precipitation: 10 to 13 inches

Mean annual air temperature: 60 to 62 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 50 percent

Cacique and similar soils: 40 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Berino

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Sandy eolian deposits derived from sedimentary rock over calcareous sandy alluvium derived from sedimentary rock

Typical profile

A - 0 to 6 inches: loamy fine sand

Btk - 6 to 60 inches: sandy clay loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Moderate (about 8.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7c

Hydrologic Soil Group: B

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Description of Cacique

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous eolian deposits derived from
sedimentary rock

Typical profile

A - 0 to 12 inches: loamy fine sand
Bt - 12 to 28 inches: sandy clay loam
Bkm - 28 to 38 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 20 to 40 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low
to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0
mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 3.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7c
Hydrologic Soil Group: C
Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

Minor Components**Maljamar**

Percent of map unit: 6 percent
Ecological site: R077CY028TX - Limy Upland 16-21" PZ
Hydric soil rating: No

Palomas

Percent of map unit: 4 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 19, Sep 8, 2022

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 166575

CONDITIONS

Operator: SOLARIS WATER MIDSTREAM, LLC 907 Tradewinds Blvd, Suite B Midland, TX 79706	OGRID: 371643
	Action Number: 166575
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved with Conditions. Variance approved to collect confirmation soil samples at 500 ft2 and laboratory analyses for chloride only for first release - nAPP2221974411. OCD needs to review the data from the second release (nAPP2231934031) prior to implementation of this Remediation Plan. Please email lab data of soil analyses (TPH, BTEX, and Chlorides) of second release to OCD for review. Please upload data and this Remediation Plan to nAPP2231934031 for documentation purposes.	1/11/2023